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Via Electronic Mail and Overnight Mail
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Re: General Electric Company's Response to Questions Nos. 8 through 28 in "Notice of Potential Liability and Request for Information Pursuant to Sections 107(a) and 104(e) of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. §§ 9601-9675, relating to the PROTECO Site in Peñuelas, Puerto Rico"

Dear Ms. Leshak and Ms. Luna:

As agreed with Ms. Leshak, General Electric Company ("GE") submits this Response to Questions Nos. 8 through 28 (the "Response") in the above-referenced Request for Information ("Request") dated March 28, 2019 from the United States Environmental Protection Agency ("EPA") concerning the PROTECO Site in Peñuelas, Puerto Rico (the "Site"). In addition to the narrative responses below, GE is also producing herewith a CD containing responsive documents bates stamped GE_CARIBE000124-001689.[1]

Preliminary Statement

The Request was directed to Caribe General Electric Products, Inc. ("Caribe Products") c/o General Electric Company. Because Caribe Products is no longer a valid and existing corporate legal entity and cannot respond to the Request, GE has prepared this Response. In providing this Response, GE neither admits nor concedes any successor and/or parent liability relating to Caribe Products or any of its former predecessors or

[1] GE provided responses to Questions Nos. 1 through 7 on May 24, 2019 (the "May 24 Response"), and produced documents bates stamped GE_CARIBE000001-000103. GE also provided EPA with a supplemental production bates stamped GE_CARIBE000104-000123 on June 19, 2019.

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affiliates, and GE reserves any and all rights to contest that GE is liable for any liabilities of Caribe Products or any other legal entity relating to the Site.

In responding to the Request, GE has undertaken a thorough investigation designed to identify available existing documents and/or other information in its possession, custody or control, which included conducting in-person and telephonic interviews of former employees; conducting in-person file reviews at the former General Electric Controls, Inc. facility in Vega Alta, Puerto Rico (the "Controls Facility") and the former General Electric Gepol, Inc. facility in Arecibo, Puerto Rico (the "Arecibo Facility"); and retrieving from storage and reviewing thousands of documents for responsive information. GE's investigation required extensive coordination with, and reliance upon the cooperation of, ABB Verwaltungs Ltd. ("ABB"), the current owner and operator of the Controls and Arecibo Facilities.[2] Further, many of the Requests concern events that occurred as far back as 45 years ago, with the result that GE's access to information (relevant documents, knowledgeable employees, etc.) was limited by the mere passage of time. These factors, coupled with the fact that GE no longer maintains an active presence in Puerto Rico, has made responding to the Request particularly difficult. GE has nevertheless endeavored to respond to the Request to the extent reasonably possible.

The enclosed information is being provided in an effort to cooperate with EPA, without admitting or acknowledging that EPA has the authority to require production of the information requested, or that the statutory authority asserted in the Request is applicable. Additionally, nothing in this Response should be construed as an admission of any liability or responsibility on the part of GE regarding any costs incurred by EPA or any other party relating to the Site. GE reserves all defenses and rights available to it under the law. GE also reserves all rights to supplement and/or revise its objections and responses to the Request. Finally, in providing its Response, GE neither admits nor concedes any of the alleged facts, descriptions or characterizations of events set forth in the Request.

General Objections

GE asserts the following General Objections to the Request, which General Objections are hereby incorporated in each and every response of GE to questions Nos. 8 through 28. To the extent GE responds to questions to which it objects, such objections are not waived by the furnishing or provision of information.

1. GE objects to the Request to the extent the Request exceeds the scope of EPA's authority under the statutory references cited in the Request.

2. GE objects to the Request as overly broad and unduly burdensome. The Request seeks information that is irrelevant and/or has no relation to the Site or relevance to this inquiry. GE objects to the Request because, based upon publicly available

[2] As described in the May 24 Response, GE entered into a Stock and Asset Purchase Agreement with ABB on September 24, 2017 (the "SAP Agreement"), pursuant to which GE transferred substantially all assets relating to the Controls Facility and the Arecibo Facility to ABB. Accordingly, although GE maintains certain access rights to documents and other information relating to prior operations at these facilities under the SAP Agreement, such rights are limited and require coordination with, and the reasonable cooperation of, ABB.

information, the Site operated between 1975 to 1999 yet the Request is not limited to any specific timeframe. Further, GE objects to the Request because the Request seeks information regarding activities that took place decades ago at a level of detail that is impossible to provide without extreme burden and oppression, if at all.

3. GE objects to the Request to the extent it seeks information protected from disclosure by the attorney-client privilege, the attorney work-product doctrine, the joint defense privilege, and any other legally cognizable privilege or protection against disclosure. GE further objects to the Request to the extent it dictates the manner in which those privileges or protections are to be asserted.

4. GE objects to the Request to the extent that it seeks information in the possession, custody, or control of EPA, or any other local, state, or federal governmental authority. GE further objects to the Request to the extent that it seeks information that is a matter of public record.

5. GE objects to the Request to the extent that it seeks information outside of GE's possession, custody or control.

6. GE objects to the Request to the extent that it calls for a legal conclusion.

7. GE objects to the Request because it was directed to and concerns the defunct legal entity, Caribe Products.

8. GE specifically objects to the definition and use of the term "Company," which includes Caribe Products and all of its "predecessors and successors and all subsidiaries, divisions, affiliates, and branches." As explained in the May 24 Response, Caribe Products was formed in 1984 and ceased to exist as of 2001. In an effort to cooperate with EPA, GE is providing all available responsive information in its possession, custody or control concerning entities that were at one time affiliated in some way with Caribe Products, and for ease of reference uses the terms "Company" and/or "Caribe Products" to include all such affiliates where appropriate. In so doing, however, GE neither admits nor concedes any liability on the part of either Caribe Products or of GE, and reserves the right to contest any legal conclusion as to whether any entity is in fact the legal predecessor or successor to, or is otherwise liable for the activities of, the operators of the Facilities that are identified in the Request.

Responses to Request for Information

8. State the dates during which the Company owned, operated, or leased any portion of the Facilities, and provide copies of all documents evidencing or relating to such ownership, operation, or lease, including but not limited to purchase and sale agreements, deeds, leases, etc.

Subject to and without waiving any of its objections, GE responds as follows:

The Controls Facility

Upon information and belief, General Electric Controls, Inc. leased the Controls Facility from the Puerto Rico Industrial Development Co. beginning in February of 1965. Under the SAP Agreement, the lease was transferred from GE Industrial of PR, LLC to ABB in late 2017. Pursuant to an interview of Esther Hernández, an Environmental Health & Safety Technician at the Controls Facility, the current owner of the property remains the Puerto Rico Industrial Development Co.

A redacted copy of the SAP Agreement was previously produced. After a reasonable investigation of available facility records, no other documents regarding site ownership history or lease information were identified.

The Arecibo Facility

Pursuant to a Lease Contract dated September 16, 1994, Caribe Products leased the Arecibo Facility from the Puerto Rico Industrial Development Co. since at least July 1, 1993, and presumably earlier given that operations began at the Arecibo Facility in 1973. The Lease Contract references an "Original Lease Contract" that was "extended until June 30, 1993"; the Original Lease Contract could not be located. Although the available Lease Contract specifies only a five-year term, the lease arrangement, or some variation of it, appears to have continued thereafter. Under the SAP Agreement, the lease for the real estate and building of the Arecibo Facility was transferred from GE Industrial of PR, LLC to ABB in late 2017.

A copy of the 1994 Lease Contract is produced herewith, and a redacted copy of the SAP Agreement was previously produced. After a reasonable investigation of available facility records, no other documents regarding site ownership history or lease information were identified.

The former General Electric Pilot, Inc. Facility (the "Pilot Facility")

Pursuant to a Lease dated June 20, 1966, General Electric Pilot Devices, Inc. leased the Pilot Facility from the Puerto Rico Industrial Development Co. starting on June 15, 1966. According to subsequent amendments to, and supplements of, the lease, dated December 6, 1967, January 3, 1977, and December 21, 1981, General Electric Pilot Devices, Inc. (later named Caribe Products) continued to lease the Facility from the Puerto Rico Industrial Development Co. through 1991. Upon information and belief, the lease arrangement, or some variation of it, appears to have continued thereafter until the Pilot Facility was closed in 2005.

The 1966 Lease and its subsequent amendments and supplements are produced herewith. After a reasonable investigation of available facility records, no other documents regarding site ownership history or lease information were identified.

The former General Electric Wiring Devices, Inc. Facility (the "Juana Díaz Facility")

Pursuant to a Lease Agreement dated October 20, 1956, General Electric Wiring Devices, Inc. leased the Juana Díaz Facility from the Puerto Rico Industrial Development Co. for an initial period of 10 years beginning on the date of occupancy. The Juana Díaz Facility began operations in 1957. On February 26, 1962, the parties amended the lease to provide for an option to purchase the property. Upon information and belief, the lease was later assigned to Caribe Products, who, pursuant to a Site Purchase Agreement, exercised the option to purchase in 1987.

A title study conducted on October 30, 2006, by JGI Title Service, Inc. indicates that Caribe Products purchased the Juana Díaz Facility from the Puerto Rico Industrial Development Co. for $177,814.83 on December 30, 1987.

The 1956 Lease Agreement, 1962 amendment, 1987 Site Purchase Agreement and 2006 title study are produced herewith.

Based upon information and belief, Caribe GE Wiring Devices, Inc., which at one point was a subsidiary of Caribe Products and the operating entity for the Juana Díaz Facility from 1993 to 1999, was sold on March 1, 1999 to Pass & Seymour, Inc. On March 29, 1999, Caribe GE Wiring Devices, Inc. filed a certificate of amendment with the Secretary of State in Delaware changing its name from "Caribe GE Wiring Devices, Inc." to "P & S Caribe, Inc.," a copy of which was produced in connection with GE's May 24 Response and bates stamped GE_CARIBE000073-77. The Juana Díaz Facility was closed in 2000, and on December 17, 2002, P & S Caribe, Inc. filed a certificate of dissolution with the Secretary of State in Delaware, a copy of which was produced in connection with the May 24 Response and bates stamped GE_CARIBE000095.

After a reasonable investigation of available facility records, no other documents regarding site ownership history or lease information were identified.

9. Indicate whether the Company has ever operated at a location other than the Facilities. If yes, provide the correct names and addresses of the Company's other facilities where the Company carried out its operations.

GE specifically objects to this question as overbroad and unduly burdensome to the extent that it requests information concerning the Company's other facilities regardless of location and timeframe of operations, and regardless of whether the facilities had any relationship with or nexus to the Site, the subject of the Request. Subject to and without waiving any of its objections, GE responds that the Company operated at various locations other than the Facilities, including:

Electric Meters / Relays
Road 402 KM1.5
Añasco, Puerto Rico, 00610-1575

Distribution Components
Zona Ind'l El Retiro
San German, Puerto Rico

Rd. #3, Km. 82.0
Humacao, Puerto Rico

Route 129 KM 41
Arecibo, Puerto Rico (*i.e.* the Arecibo Facility)

Fabrication
RD 2 KM 30.9
Vega Alta, Puerto Rico (*i.e.* the Pilot Facility)

Distribution Transformer
Bo Bartinica
Rd. 200, Esq. 201
Vieques, Puerto Rico

Engineering Services
No. 101, Road 174
Minillas Ind'l Park
Bayamon, PR 00959

Controls
Rd 2 KM 30.1
Vega Alta, Puerto Rico (*i.e.* the Controls Facility)

Manatí, Puerto Rico

Plating
Route 129 KM 41
Arecibo, Puerto Rico (*i.e.* the Arecibo Facility)

Wiring Devices
RD 149 KM 67
Juana Díaz, Puerto Rico (*i.e.* the Juana Díaz Facility)

Electrical Vehicle Controls / Drive Systems
Patillas, Puerto Rico

Residential Products
Palmer, Puerto Rico

Power Breakers
Vega Baja, Puerto Rico

Based upon information and belief, the Company also had a facility in Arroyo, Puerto Rico and a facility in Maunabo, Puerto Rico at some point in time.

10. Describe in detail the nature of the business and the operations conducted at the Facility [sic] and at any locations identified in response to Request #9, above, during the period that the Company operated there. Provide a brief description of the Company's operations at each facility, including the following:

a. The date such operations commenced and concluded; and

b. The types of work performed at each facility, including but not limited to the industrial, chemical, or institutional processes and treatments undertaken at each facility.

GE specifically objects to this question and its subparts as overbroad and unduly burdensome to the extent that they request information concerning facilities other than those identified in the Request, regardless of location and timeframe of operations, and regardless of whether those facilities had any relationship with or nexus to the Site, the subject of the Request. By way of further explanation, over time, Caribe Products had or was affiliated with approximately 13 different business units, the operations of which evolved, transferred to new locations, or ceased altogether at different points in time. Subject to and without waiving any of its objections, GE responds as follows:

Through its multiple business units, Caribe Products provided manufacturing, sales, and service for a broad spectrum of consumer and industrial electrical products. Many of the business units fabricated and assembled electrical power distribution equipment, including electrical switches, lighting control panels, and relays, among other products. In general, the facilities used various industrial processes to manufacture these products, including the following:

- metal fabrication – including stamping, drilling, milling, sawing, tapping, welding and brazing;
- degreasing/heat treating;
- painting – using wet or dry processes;
- electroplating; and
- plastic molding.

Most of the facilities engaged in metal fabrication, degreasing/heat treatment and painting, while only certain facilities engaged in electroplating or plastic molding operations. Steel, copper, and aluminum were the principal metals received and fabricated into desired configurations, though in some cases, brass, bronze, or limited quantities of other metals were also used.

With respect to the nature of operations that occurred at the four Facilities identified in the Request, GE responds as follows:

The Controls Facility

In February 1965, General Electric Controls, Inc. began operating at the Controls Facility manufacturing electronic switches and magnetic control overload devices. The Controls Facility manufactured a complete line of electromechanical and solid-state control components. Products manufactured included NEMA and IEC contactors and motor starts, industrial relays, overload relays, timers, pushbuttons, control stations, selector switches, indicating lights, mechanical limit switches, pressure switches, overload heaters, terminal boards and solenoids.

The primary on-site industrial processes included metal fabrication and assembly, degreasing/heat treating, and plastic molding. Electroplating activities were also conducted for a period of time, but were discontinued and transferred to the Arecibo Facility during the 1990s.

The Controls Facility's operations were transferred to ABB in late 2017 under the SAP Agreement.

The Arecibo Facility

The Arecibo Facility began operations in 1973. The primary on-site industrial processes included metal fabrication and assembly, degreasing/heat treating, and electroplating. All of the Company's electroplating operations were consolidated at the Arecibo Facility during the 1990s. The Arecibo Facility's operations were transferred to ABB in late 2017 under the SAP Agreement.

The Pilot Facility

The Pilot Facility began operations in June 1966, manufacturing electrical switches and various other electrical devices. According to Gladys Santiago, the Pilot Facility's Environmental Health & Safety Leader from 1990 to 1996, the Pilot Facility was a machine shop that engaged in drilling, welding, and assembly. The Pilot Facility never engaged in electroplating, according to Ms. Santiago. The Pilot Facility closed in approximately 2005.

The Juana Díaz Facility

The Juana Díaz Facility began operations in August 1957, manufacturing florescent bulb starters, multiple plug taps, electrical plugs, electrical outlets, and pull chain fixture sockets. Unlike the other Facilities identified in the Request, the Juana Díaz Facility operated as part of the Company's lighting business and manufactured lighting-related parts. The primary on-site industrial processes included molding, metal stamping, and, as of 1971, electroplating and assembly. As noted above, all electroplating operations were consolidated at the Arecibo Facility during the 1990s. The Juana Díaz Facility closed in 2000.

11. Describe how the Company came to possess the hazardous substances that came to be located at the Site.

GE specifically objects to this question as vague, confusing, argumentative, and improper, insofar as it assumes facts that have not been substantiated and thus requires

adoption of an assumption, namely that Caribe Products "possessed" hazardous substances that came to be located at the Site. GE objects to this question to the extent that it presumes that any hazardous substance used or "possessed" by Caribe Products has been found or located at the Site.

Subject to and without waiving any of its objections, GE refers to and incorporates herein its responses and objections to Questions Nos. 12, 13, and 18 as if set forth herein.

12. List all hazardous substances used, generated, treated, stored, disposed of, manufactured, recycled, recovered, treated, or otherwise processed during the Company's operations at the Facilities.

GE specifically objects to this question as overbroad, unduly burdensome, and irrelevant to the extent that it requests a listing of all hazardous substances ever "used, generated, treated, stored, disposed of, manufactured, recycled, recovered, treated, otherwise processed" at any of the four Facilities, without limitation by timeframe or type of substance, and regardless of whether the hazardous substances may have been transported to or disposed of at the Site, the subject of the Request. GE also objects to this question to the extent that it calls for a legal conclusion regarding whether a material or substance constitutes a "hazardous substance."

Subject to and without waiving any of its objections, GE responds that various raw materials likely containing hazardous substances were used in connection with the Facilities' operations, including:

- acids associated with the electroplating process, including hydrochloric acid and sulfuric acid;
- solvents or volatile organics used for painting or parts cleaning, including 1,1,1-trichloroethane; and,
- wastewater treatment chemicals, including caustic soda, at the Arecibo and Juana Díaz Facilities (where on-site wastewater treatment facilities were present).

By way of further response, the Facilities did not manufacture hazardous substances in connection with their operations. With regard to the identification of hazardous substances generated, stored, disposed of, recycled, treated, or recovered or otherwise processed in connection with Facility operations, GE refers to and incorporates its response to Question No. 13 below.

For additional information concerning hazardous materials that may have been handled by the Facilities, GE refers to the following documents that are produced herewith:

GE_CARIBE000513-520
GE_CARIBE000801-809
GE_CARIBE001499-1503

13. List and fully describe all waste streams generated from the Company's operations, including solid, liquid, or any other type of waste.

GE specifically objects to this question as overbroad, unduly burdensome, and irrelevant to the extent that it requests a listing of all waste streams generated from the Company's operations at any of its facilities, regardless of location and timeframe of operations, and regardless of whether the waste stream may have been transported to or disposed of at the Site, the subject of the Request. Subject to and without waiving any of its objections, GE responds as follows:

Manufacturing operations at the Facilities primarily generated scrap metal, which was stored on-site before being recycled off-site. Other solid wastes, including wood and cardboard, were also generated at the Facilities. Some of the Facilities generated hazardous wastes, which, depending on the nature of the Facility's operations, may have included electroplating sludge, paint wastes, or spent solvents. The hazardous wastes were typically stored on-site prior to off-site disposal.

Below is a detailed description of the waste streams associated with the Facilities identified in the Request during the Company's operations:

The Controls Facility

In 1980, hazardous wastes handled on-site were identified by the Controls Facility as F001, F006, F007, F008, F009, and F017. *See* Notification of Hazardous Waste Activity, dated August 5, 1980, produced and bates stamped GE_CARIBE001325.

Electroplating activities were conducted at the Controls Facility until the 1990s when these activities were discontinued. The Controls Facility had two small electroplating lines that generated electroplating sludge. According to a Remedial Investigation Report, dated May 1986 (the "1986 Remedial Investigation Report"), a copy of which is produced and bates stamped GE_CARIBE001626,[3] the electroplating sludge was collected on-site in a hopper and then placed in reinforced plastic one-cubic-yard bags. The bagged electroplating sludge was then shipped to the continental United States for recovery of metals, according to the Report.

1,1,1-trichloroethane was also used at the Controls Facility for degreasing during the 1980s, according to the 1986 Remedial Investigation Report. Approximately one drum per month of 1,1,1-trichloroethane was shipped to the Controls Facility for degreasing operations. Trichloroethylene was reported to have been used in historical operations, although it was no longer used by the 1980s according to the 1986 Remedial Investigation Report. The Report also stated that spent solvents were collected in 55-gallon drums and were stored in a warehouse on the property for up to 90 days, after which the drums were shipped to the continental United States for off-site disposal.

[3] GE located only part of the 1986 Remedial Investigation Report, which is produced and bates stamped GE_CARIBE001626-001633. GE has been unable to locate the rest of the document.

Hazardous wastes generated by other Company facilities in Puerto Rico would sometimes be consolidated at the Controls Facility where they would be stored for eventual off-site disposal, according to information provided by former employee Milagros Ruiz Chaar. According to Ms. Chaar, as of 1986, and possibly earlier, all hazardous wastes generated at the Facilities were transported to the continental United States for off-site disposal.

Additional information concerning the Controls Facility's waste streams is set forth in the documents produced and bates stamped GE_CARIBE001054-001196.

The Arecibo Facility

The Arecibo Facility generated electroplating sludge as part of its electroplating operations, which included zinc and chromate plating lines. Approximately four to five 55-gallon drums of the electroplating sludge were generated weekly, according to a RCRA Facility Assessment Report, dated 1988, for the Arecibo Facility (the "Arecibo RCRA Assessment"), a copy of which is produced herewith.[4] Based upon an Environmental Assessment for the Arecibo Facility dated from approximately 1992 (the "Arecibo EA"), the electroplating sludge was shipped to the continental United States for metals reclamation.[5]

The Arecibo Facility also used 1,1,1 trichloroethane as a degreaser in its operations. The Arecibo Facility generated approximately 300 pounds of spent 1,1,1-trichloroethane as of 1988, according to the Arecibo RCRA Assessment. Spent 1,1,1-trichloroethane was recycled by Safety Kleen Envirosystems in Manatí, Puerto Rico, according to the Arecibo EA.

D001 paint waste was also generated at the Arecibo Facility in connection with molding processes, but molding operations ceased at the Arecibo Facility in 1992. The paint waste was recycled by Safety Kleen Envirosystems, based on the Arecibo EA.

The Arecibo Facility had an on-site wastewater treatment unit. The effluent from the wastewater treatment unit was discharged to the publicly-owned treatment works. In 1992, it was estimated that the average daily volume of effluent discharged to the publicly-owned treatment works was 72,000 gallons. All wastewater resulting from the electroplating process was treated at the wastewater treatment unit. F007, F008, and D002 wastes, all of which were generated on-site, were processed at the Arecibo Facility's wastewater treatment unit, according to the Arecibo EA.

The Pilot Facility

According to the 1986 Remedial Investigation Report, referenced above, the Pilot Facility used 1,1,1-trichloroethane as part of its degreasing operations in 1983. The Report does not address whether or to what extent the degreasing operations generated waste.

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[4] GE located only part of the Arecibo RCRA Assessment, a copy of which is produced and bates stamped GE_CARIBE001618. GE has been unable to locate the rest of the document.
[5] GE located only part of the Arecibo EA, a copy of which is produced and bates stamped GE_CARIBE000753. GE has been unable to locate the rest of the document.

Further, according to a Notification of Hazardous Waste Activity, dated May 5, 1980, produced and bates stamped GE_CARIBE001342, hazardous wastes handled on site at the Pilot Facility were identified as F007 and F017.

Additional information concerning the Pilot Facility's waste streams was provided by former employees. According to the Pilot Facility's former Environmental Health & Safety Leader, Gladys Santiago, the Pilot Facility's machinery used lubricants and oils, thereby generating waste that consisted of rags with oil, rags with coolant, and absorbent pads. This waste was transported by a vendor for off-site disposal. The Pilot Facility's operations also generated scrap metals that were sold.

In addition, the Pilot Facility's operations generated coolant sludge and oil sludge that was treated on-site in a recycling system. The recycling system generated sludge that was transported off-site for disposal in 55-gallon drums by a vendor.

Ms. Santiago recalled that the Pilot Facility used a single vendor to handle all of the Facility's off-site waste transport and disposal. She recalled that Safety Kleen Envirosystems was the Pilot Facility's vendor when she started in 1990, but the vendor was changed to Clean Harbors in 1993 pursuant to a Company-wide contract. She recalled that both vendors transported wastes to locations in the continental United States for disposal. She did not recall the Facility arranging for the disposal of waste at the Site and she did not recall ever having heard of the Site.

Carlos Rodriguez, who was the Pilot Facility's Environmental Health & Safety Manager between 2002 and 2004, recalled that the Facility used Clean Harbors for waste disposal, including for both hazardous and non-hazardous wastes, during his tenure as well.

The Juana Díaz Facility

The Juana Díaz Facility began electroplating of manufactured electric devices beginning in 1971, including zinc, nickel, and tin electroplating processes. As explained in GE's response to Question No. 18, which is incorporated herein by reference, electroplating sludge from the Juana Díaz Facility was transported and disposed of by Servicios Carbareón, ceasing no later than 1980, according to an Environmental Baseline Study for the Juana Díaz Facility, dated September 1989, which is produced and bates stamped GE_CARIBE000469 (the "Baseline Study").

The Baseline Study states that from 1980 to 1982, electroplating sludge generated at the Juana Díaz Facility was stored on-site in 55-gallon drums. Starting in 1982, this electroplating sludge was temporarily stored in bags on-site, and then transported to disposal facilities in the continental United States for reclamation.

The Juana Díaz Facility also generated D007 (chromate bath spent solution) and spent solvents. The chromate bath spent solution was transported to the continental United States for off-site disposal. The solvents were disposed of by Safety Kleen Envirosystems.

The Juana Díaz Facility also generated non-hazardous wastes, including non-hazardous used oil and metal scrap, and rubber scrap from rubber heat compression molding. These non-hazardous wastes were sold or disposed of by Safety Kleen Envirosystems and other providers at locations other than the Site, according to a RCRA Facility Assessment Report for the Juana Díaz Facility, dated December 1988 (the "Juana Díaz RCRA Assessment"), which is produced and bates stamped GE_CARIBE000225.

The Juana Díaz Facility had an on-site wastewater treatment plant that operated from 1971 through 1988. The plant treated wastewater from the electroplating process through neutralization, chromate reduction, and solids settling prior to discharge to the publicly-owned treatment works.

Additional information concerning the Facilities' waste streams is set forth in the environmental reports referenced in response to this question and other documents produced herewith.

14. Describe in detail the handling, storage, and disposal practices employed by the Company for each waste stream resulting from the Company's operations.

GE specifically objects to this question as overbroad and unduly burdensome to the extent it seeks detailed information concerning the waste handling, storage and disposal practices of a defunct company that operated at multiple facilities for over 40 years, and without any limitation by location, timeframe of operations or other reasonable restriction. Subject to and without waiving any of its objections, GE refers to and incorporates by reference its responses and objections to Questions Nos. 13, 16, 17, and 18.

15. Identify all individuals who had responsibility for the Company's environmental and waste management decisions between 1975 and 1999 (e.g., responsibility for decisions regarding the disposal, treatment, storage, recycling, or sale of the Company's hazardous substances, hazardous wastes, and industrial wastes).

a. Provide each such individual's job title, duties, dates performing those duties, supervisors for those duties, current position, and if applicable, the date of the individual's resignation or termination.

b. Provide the nature of the information possessed by each such individual concerning the Company's waste management.

GE specifically objects to this question and its subparts as overbroad and unduly burdensome because the subject matter of this Request concerns matters that occurred decades ago between 1975 and 1999, and therefore identifying "all individuals" with the level of detail requested in this question is effectively impossible. Subject to and without waiving any of its objections, GE responds as follows:

According to information provided by former employees, the Company's decision-making process for waste transport and disposal evolved over time. For some period

before 1993, the individual Facilities were responsible for selecting vendors for off-site transport and disposal of waste. The Facility plant managers and engineers typically selected the vendors for their Facility during this time. This changed in or around 1993 when all of the Puerto Rico facilities had to use the same approved vendor, as selected by corporate headquarters. Corporate headquarters had a dedicated environmental department that would evaluate options and ensure that the selected vendors were audited and qualified.

By way of further response, among others, the following individuals may have been involved in the Company's environmental and waste management decisions between 1975 and 1999:

- Milagros Ruiz Chaar, former Environmental Specialist, Caribe Products.
    - Ms. Chaar was an environmental specialist from approximately 1986 to 1998, and was responsible for overseeing environmental matters and waste disposal at the various Company facilities in Puerto Rico. She provided advice to the facilities from a technical perspective regarding regulatory compliance and training. Ms. Chaar left GE in 1998 and is currently a lawyer in private practice.

- Amir Lastra, former GE Puerto Rico operations legal counsel.
    - Ms. Lastra was GE's Puerto Rico operations legal counsel starting in 1992. She is currently employed by ABB.

- Jeff Sommer, business operations leader who was involved with Puerto Rico operations, current GE employee.
    - Mr. Sommer is a current General Electric Steam Power Employee who was involved with GE's Puerto Rico operations between approximately 1990 to 2007.

- José Castro Reyes, Environmental Health & Safety Manager at the Arecibo Facility from 1992-1998.
    - Mr. Castro began as an employee of Caribe Products in 1992 as a member of the Environmental Health & Safety team at the Arecibo Facility. He is currently an employee of ABB where he works in the advanced manufacturing engineering department supporting various ABB facilities in Puerto Rico, including the Controls Facility.

- Gladys Santiago, Environmental Health & Safety Leader at the Pilot Facility from 1990 to 1996.
    - Ms. Santiago was the Environmental Health & Safety Leader at the Pilot Facility from 1990 to 1996 where she oversaw environmental and waste disposal issues at the Pilot Facility, including permitting and compliance matters, as well as the Facility's health and safety program. In 1996, she was promoted to a corporate position where she was responsible for occupational health concerns, including clinics, physician contracting, and nurse training. She is now retired.

- Eduardo Buso, former General Counsel and Assistant Secretary, Caribe Products.
    - Mr. Buso may have information about Caribe Products' operations from the early 1980s. Mr. Buso is not a current GE employee and did not respond to requests for information.

- Emilio Concepción, former plant manager at the Controls Facility during early 1980s.
    - Mr. Concepción is not a current GE employee and did not respond to requests for information.

- Lou Cercone, former plant manager at the Arecibo Facility during the 1990s.
    - Mr. Cercone is not a current GE employee and was unavailable to provide information due to illness.

- Roberto Miranda, former Environmental Health & Safety Manager at the Controls Facility during the 2000s.

The following individuals also have information concerning the Company's historical environmental and waste management practices:

- Maribel Suárez Rivera, Environmental Health & Safety Manager at the Arecibo Facility from 2004 until 2018.
    - Ms. Suárez was Environmental Health & Safety Manager for the Arecibo Facility from 2004 to 2018. She is currently employed by ABB and leads the Environmental Health & Safety department for ABB's Puerto Rico operations.

- Jaime Romero, former member of the Environmental Health & Safety department at the Arecibo Facility.
    - Mr. Romero began working at the Arecibo Facility in 1992. He is currently an employee of ABB where he works at the Arecibo Facility as part of the Environmental Health & Safety team.

- Alfredo Olivo Córdova, former Environmental Health & Safety plant manager at the Controls Facility.
    - Mr. Olivo began working at the Controls Facility in 1997 as an EHS apprentice. In 2004, he became the Environmental Health & Safety Manager for the Controls Facility. He is currently an employee of ABB where he works at other ABB facilities.

- Carlos Rodríguez, former Environmental Health & Safety Manager at the Controls and Pilot Facilities.
    - Mr. Rodríguez was the Environmental Health & Safety Manager for both the Controls and Pilot Facilities between 2002 and 2004.

Also, according to documents reviewed in preparing this Response, the following individuals may also have been involved in environmental and waste management decisions between 1975 and 1999:

- Luis A. Yordan, former Environmental Coordinator, Caribe Products, from approximately 1994 to 1996;
- Stephen Brown, former Environmental Coordinator, Caribe Products, circa late-1980s;
- Jose A. Marques, former Environmental Coordinator, Caribe Products, circa 1980s;
- Jerry Purdy, Plant Manager, Juana Díaz Facility, circa 1991;
- John Tucker, Plant Manager, Pilot Facility, circa 1988; and,
- Robert I. Schauseil, Plant Manager, Juana Díaz Facility, circa 1980-1988.

16. For each type of hazardous substance, hazardous waste, and industrial waste used or generated by the Company, describe the Company's agreements or other arrangements for its disposal, treatment, storage, recycling, or sale.

a. Provide any agreement and document, including waste logs, journals, manifests, or notes, related to any transfer of hazardous substances, hazardous wastes, and industrial wastes from the Company's Facility that came to be located at the Site.

b. Provide all correspondence and written communications between the Company and each owner/operator of the Site regarding the Company's hazardous substances, hazardous wastes, and industrial wastes that came to be located at the Site.

GE specifically objects to this question and its subparts as overbroad, unduly burdensome, and irrelevant to the extent they seek information concerning agreements or other arrangements for the disposal, treatment, storage, recycling or sale of waste that did not involve or relate to the Site, the subject of the Request. GE also specifically objects to this question and its subparts to the extent they purport to require GE to describe all such agreements or arrangements for a defunct company that operated at multiple facilities for over 40 years, and without limitation by location, timeframe of operations, or other reasonable restriction.

Subject to and without waiving any of its objections, GE responds that, according to former employee Milagros Ruiz Chaar, the Company had very formal procedures for handling hazardous materials in the 1980s and 1990s. Starting in 1993, hazardous waste disposal service provider contracts typically covered all of the facilities in Puerto Rico.

By way of further response, GE refers to and incorporates by reference its responses to Questions Nos. 13, 15, and 18, which also address certain arrangements for the disposal, treatment, storage, recycling, or sale of waste.

Finally, Documents responsive to subparts (a) and (b) of this question are produced herewith.

17. Provide agreements and documents related to the following, including waste logs, journals, manifests, or notes, as set forth below:

a. The locations where the Company sent each type of hazardous substance, hazardous waste, and industrial waste for disposal, treatment, or recycling;

b. List all Waste Transporters used by the Company;

c. For each type of hazardous substance, hazardous waste, and industrial waste, specify which Waste Transporter picked it up;

d. For each type of hazardous substance, hazardous waste, and industrial waste, state how frequently each Waste Transporter picked up such waste

e. For each type of hazardous substance, hazardous waste, and industrial waste, provide the volume picked up by each Waste Transporter (per week, month, or year);

f. For each type of hazardous substance, hazardous waste, and industrial waste, identify the dates (beginning & ending) such waste was picked up by each Waste Transporter;

g. Indicate the ultimate location for each type of hazardous substance, hazardous waste, and industrial waste. Provide all documents indicating the ultimate disposal/recycling/treatment location for each type of hazardous substance, hazardous waste, and industrial waste;

h. Describe how the Company managed pickups of each hazardous substance, hazardous waste, and industrial waste including but not limited to:

i. The method for inventorying each type of hazardous substance, hazardous waste, and industrial waste;

ii. The method for requesting each type of hazardous substance, hazardous waste, and industrial waste to be picked up;

iii. The identity of the Waste Transporter employee/agent contacted for pickup of each type of hazardous substance, hazardous waste, and industrial waste; and

iv. The amount paid or the rate paid for the pickup of each type of hazardous substance, hazardous waste, and industrial waste

i. Identify the individual or organization that selected the location where each of the Company's wastes were taken. Describe the basis for and provide any documents supporting the answer to this Request.

GE specifically objects to this question and its numerous subparts as overbroad, unduly burdensome, and irrelevant to the extent they seek information concerning transactions and arrangements for the disposal, treatment, storage, recycling or sale of waste that did not involve or relate to the Site, the subject of the Request. GE also specifically objects to this question and its numerous subparts to the extent they purport to require GE to provide very detailed and specific information concerning such transactions and arrangements for a defunct company that operated at multiple facilities for over 40 years, and without limitation by location, timeframe of operations, or other reasonable restriction.

Subject to and without waiving any of its objections, GE refers to and incorporates by reference its responses and objections to Questions Nos. 13, 15, 16, and 18. Responsive documents are also produced herewith, subject to GE's general and specific objections.

18. If not already provided, specify the dates and circumstances when the Company's hazardous substances, hazardous wastes, and/or industrial wastes were sent, brought, or moved to the Site, and identify the names, addresses, and telephone numbers of the person(s) making arrangements for the containers (e.g., 55-gallon drum, dumpster, etc.) holding hazardous substances, hazardous wastes, and/or industrial wastes to be sent, brought, or transported to the Site. Please also provide all documents that support or memorialize the answer to this Request.

GE specifically objects to this question as improper and argumentative insofar as it assumes facts that have not been substantiated, namely that the Company's hazardous substances, wastes, and/or industrial wastes were sent to the Site. Subject to and without waiving any of its objections, GE refers to and incorporates its responses and objections to Question No. 13 as if stated herein.

By way of further response, based on information provided in the Baseline Study referenced above, the Juana Díaz Facility generated electroplating sludge that was transported and disposed of by Servicios Carbareón during the 1970s. By 1979, the Juana Díaz Facility stopped using the services of Servicios Carbareón when the Site began to receive citations from the Puerto Rico Environmental Quality Board, according to the Baseline Study. Thereafter, starting in the 1980s, electroplating sludge generated by the Juana Díaz Facility was transported to disposal facilities located in the continental United States.

According to a hazardous waste manifest dated December 3, 1980, the Controls Facility used Servicios Carbareón to transport and dispose of 3,960 gallons of

electroplating sludge (F006) and 440 gallons of spent solvent (F002) (1,1,1 trichloroethane). *See* Attachment D to the Request.

According to a hazardous waste report dated March 17, 1982, the Pilot Facility used Servicios Carbareón to transport and dispose of 2,800 lbs. of paint waste and 3,656 lbs. of spent halogenated solvent (F002). *See* Attachment D to the Request.

According to former employee Milagros Ruiz Chaar (and corroborated by former employees Jaime Romero and José Castro Reyes), as of 1986, and possibly earlier, all hazardous wastes generated at the Facilities, including electroplating sludge, were transported to the continental United States for off-site disposal. Only non-hazardous wastes were sent to disposal facilities in Puerto Rico thereafter. Most non-hazardous wastes generated at the Facilities were sent for disposal to Safety-Kleen's disposal facility in Manatí, Puerto Rico. Non-hazardous waste manifests dated from 1996 and 1997 reflect that some non-hazardous wastes, including coolant with water and oily debris, were transferred from the Controls Facility to the Site in 1996 and 1997.

Documents responsive to this question are produced herewith, subject to GE's general and specific objections.

19. Identify, describe, and provide all documents that refer or relate to the following:

a. The nature, including the chemical content, characteristics, physical state (e.g., solid, liquid), and quantity (volume and weight) of all hazardous substances, hazardous wastes, and industrial wastes involved in each arrangement transferring materials from any facility owned or operated by the Company (including the Facility) to any other facility;

b. In general terms, the nature and quantity of the non-hazardous substances involved in each such arrangement;

c. The hazardous substances being mixed or combined with other hazardous substances or non-hazardous substances for each such arrangement. Indicate whether such mixing or combining is common in the industry. Indicate whether the Company was ever asked to stop mixing or combining the hazardous substances with the non-hazardous substances;

d. Other materials other than the hazardous substances that were involved in the transaction;

e. The condition of the transferred material containing hazardous substances when it was stored, disposed of, treated, or transported for disposal or treatment;

f. The markings on and type, condition, and number of containers in which the hazardous materials were contained when they were stored, disposed, treated, or transported for disposal or treatment; and

g. All tests, analyses, analytical results, and manifests concerning each hazardous substance, hazardous waste, and industrial waste involved in each transaction. Include information regarding who conducted the test and how the test was conducted (batch sampling, representative sampling, splits, composite, etc.).

GE specifically objects to this question and its numerous subparts as overbroad, unduly burdensome, and irrelevant to the extent they seek information concerning transactions and arrangements that did not involve or relate to the Site, the subject of the Request. Subject to and without waiving any of its objections, GE refers to and incorporates by reference its responses and objections to Questions Nos. 13, 16, and 18, and the documents cited therein. Additional responsive documents are produced herewith, subject to GE's general and specific objections.

20. Indicate how long the Company has had a relationship with the owner(s) and/or operator(s) of the Site.

GE specifically objects to this question as vague and subject to multiple interpretations to the extent is uses the word "relationship." GE will interpret "relationship" to mean commercial business relationship relating to the transportation and/or disposal of waste. GE also specifically objects to this question as improper and argumentative to the extent that it presumes that Caribe Products has or had a relationship with the owner and/or operator of the Site. Subject to and without waiving any of its objections, GE responds that Caribe Products no longer exists and therefore does not have a relationship with the owner or operator of the Site. Further, upon information and belief, none of the Facilities arranged for the disposal of any hazardous wastes at the Site after 1982. Based on relevant records reviewed and interviews with former employees, it does not appear as though the Company nor any of the Facilities had any relationship or nexus with the Site thereafter until 1996 when the Controls Facility arranged for the transport of some non-hazardous wastes to the Site. Upon information and belief, the Company did not have any relationship or nexus to the Site after 1997.

21. Identify any individuals, including former and current employees, who may be knowledgeable of the Company's operations and practices concerning the handling, storage, and disposal of hazardous substances.

Subject to and without waiving any of its objections, GE refers to and incorporates its responses and objections to Question No. 15.

22. Please provide all documents, if not already requested above, that support your responses to Requests #1 - #21, above.

GE specifically objects to this question as vague, overbroad, and confusing as the word "support" has multiple meanings. GE will interpret "support" to mean "relied on in preparing responses." Subject to and without waiving any of its objections, responsive documents are produced herewith.

23. If any of the documents solicited in this information request are no longer available, please indicate the reason why they are no longer available. If the records were destroyed, provide us with the following:

a. The Company's document retention policy between 1975 and 2018;

b. A description of how the records were destroyed (burned, trashed, etc.) and the approximate date of destruction;

c. A description of the type of information that would have been contained in the documents;

d. The name, job title, and most current address known by you of the person(s) who would have produced these documents, the person(s) who would have been responsible for the retention of these documents, the person(s) who would have been responsible for the destruction of these documents, and the person(s) who had and/or still may have the originals or copies of these documents; and

e. The names and most current address of any person(s) who may possess documents relevant to this inquiry.

GE specifically objects to this question and its numerous subparts as overbroad and unduly burdensome because the Request seeks information and documents relating to a defunct company that operated at multiple facilities for over 40 years, and that no longer exists. Further, each of the Facilities identified in the Request have either closed or were transferred to ABB in 2017. Under the circumstances, records may have been lost due to the mere passage of time, closure or transfer of facilities, etc., making it impossible for GE to document if, how, or when potentially responsive documents may have been lost.

Subject to and without waiving any of its objections, GE responds that, according to information provided by Esther Hernández, an Environmental Health & Safety Technician at the Controls Facility, on or around the year 2004, an unknown number of facility records were destroyed due to a mold infestation in the Control Facility's filing area. Upon a review of the available waste records for the Controls Facility, it was discovered that records dated before 1994 were unavailable, presumably due to the mold infestation. Interviews of other former employees did not reveal any additional information as to the potential loss of any records that could be responsive to this Request.

24. Please provide copies of the Company's financial statements, shareholder's reports, financial audits, or other financial reports showing its assets, profits, liabilities, and current financial status for the last five years.

Subject to and without waiving any of its objections, GE responds that Caribe Products ceased to exist as of December 20, 2001 and therefore there are no records responsive to this question.

25. List and provide a copy of all agreements or contracts, including but not limited to insurance policies and indemnification agreements, held or entered into by the Company or its parent corporation(s), subsidiary, or subsidiaries that could indemnify it against any liability that it may have under CERCLA for releases or threatened releases of hazardous substances at and from the Facility. In response to this Request, please provide not only those insurance policies and agreements that currently are in effect, but also provide those that were in effect during the period(s) when any hazardous substances, hazardous wastes, and/or industrial wastes may have been released or threatened to be released into the environment at or from the Facility.

GE specifically objects to this question as vague and confusing because it is unclear which "Facility" it is referring to. GE also specifically objects to this question as irrelevant because the Request concerns the Site, not any releases or threatened releases of hazardous substances from any of the Facilities. Subject to and without waiving any of its objections, GE responds that it is not currently aware of any agreement or contract that could indemnify the Company against liability, if any, relating to the disposal of wastes at or from the Facilities but it is continuing to investigate this matter.

26. State whether any claim or claims have been made by the Company to any insurance company for any loss or damage related to operation at the Site, and if so, identify each claim by stating the name of the claimant, the name and address of the insurance company, the policy number, the named insured on the policy, claim number, date of claim, amount of claim, the specific loss or damage claimed, the current status of the claim, and the amount, date, and recipient of any payment made on the claim.

GE objects to this question as vague and confusing to the extent it uses the phrase "operation at the Site" because the Company did not operate at the Site. Subject to and without waiving any of its objections, based upon information and belief, no claim has been made by the Company relating to operation at the Site.

27. If you have reason to believe that there may be persons able to provide a more detailed or complete response to any question contained herein or who may be able to provide additional responsive documents, identify such persons and the additional information or documents that they may have.

Subject to and without waiving any of its objections, GE is not currently aware of any such persons. By way of further response, GE refers to and incorporates its responses to Questions Nos. 15 and 21.

28. State the name, title, and address of each individual who assisted or was consulted in the preparation of the response to this Request for Information. In addition, state whether this person has personal knowledge of the information in the answers provided.

GE specifically objects to this question as overbroad and unduly burdensome because the subject matter of this Request concerns matters that occurred between 1975 and 1999, and therefore, GE's efforts to respond to the Request required consulting multiple persons, including counsel, legal assistants, current employees, and to the extent possible, former employees. Subject to and without waiving any of its objections, GE responds that GE's legal counsel prepared this Response, including Monique Mooney, Executive Counsel, Global Operations, EHS, and Bonnie Harrington, Executive Counsel, GE Power, with the assistance of outside counsel from the law firm of Manko, Gold, Katcher & Fox LLP. The following individuals, among others, were also consulted in the preparation of this Response to the Request:

- Dawn Varrachi, EHS Technical Expert, GE Power
- Barry Hallock, EHS Leader, GE Lighting and Current
- Tom Gavagan, EHS Technical Expert, GE Aviation
- Jim Van Nortwick, EHS Technical Project Manager, GE
- Niel Walker, EHS Senior Project Manager, GE
- Edward Kolodziej, EHS Senior Project Manager, GE
- José Castro Reyes, former member of Environmental Health & Safety department at the Arecibo Facility, now employed by ABB
- Milagros Ruiz Chaar, former Environmental Specialist, Caribe Products
- Amir Lastra, former GE Puerto Rico operations legal counsel, now employed by ABB
- Alfredo Olivo Córdova, former EHS plant manager at the Controls Facility, now employed by ABB
- Jaime Romero, former member of the Environmental Health & Safety department at the Arecibo Facility, now employed by ABB
- Esther Hernández, former member of the Environmental Health & Safety department at the Controls Facility, now employed by ABB

- Jeff Sommer, business operations leader who was involved with Puerto Rico operations, current General Electric Power employee
- Carlos Rodríguez, former Environmental Health & Safety Department Manager at the Controls and Pilot Facilities, now employed by ABB
- Maribel Suárez Rivera, former Environmental Health & Safety Manager at the Arecibo Facility, now employed by ABB
- Gladys Santiago, former Environmental Health & Safety Leader at the Pilot Facility, now retired.

Respectfully submitted,

/s/ Monique Mooney

Monique M. Mooney, Esq.
GE Global Operations

Enclosure
cc: Kathleen Campbell, Esq. (via email)

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State/Commonwealth of Pennsylvania

County/Municipality of Montgomery

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that I am under a continuing obligation to supplement my response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or my response thereto should become known or available to me.

MONIQUE MOONEY
NAME (print or type)

EXECUTIVE COUNSEL
TITLE (print or type)

SIGNATURE

Sworn to before me this

24th day of June 2019.

Kimberly A Lawson
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
KIMBERLY A. LAWSON, Notary Public
Lower Merion Twp., Montgomery County
My Commission Expires April 7, 2020

SHIPMENT OF HAZARDOUS WASTES

- [x] SLUDGE
- [ ] SPENT MATERIALS
- [ ] SPENT OIL

DATE SHIPPED ---------- 12/28/77

MANIFEST DOCUMENT NO. ---------

TSD FACILITY ------ ---------- SERVICIOS CARBARGON
PEÑUELAS, P.R.

SERVICIOS CARBAREON, INC.

BOX 502 -:- TEL. 842-5060

COTO LAUREL, PUERTO RICO 00644

LIMPIEZA DE TANQUES INDUSTRIALES
ACARREO Y RELLENO SANITARIO
DE DESPERDICIOS SOLIDOS

MEJORES EQUIPOS

PRECIOS MAS BAJOS

Conduce - Factura

Nº 0333

FECHA 28 / 12 / 1977 (DIA / MES / AÑO)

NOMBRE General Electric Wiring Devices, Inc.

DIRECCION RESIDENCIAL _____ TEL. _____

DIRECCION POSTAL Juana Diaz, Puerto Rico

LOCALIZACION DEL SERVICIO _____ *ZIP CODE* _____

1. Servicio de limpieza de Plating Sump-Pump.
2. Costo total del servicio----------$ 1,000.00

P. O. # PR 30109 WD

514-311

Ok Ricardo 1/4/78

FIRMA DEL CLIENTE

FIRMA DEL OPERARIO Carlos Bartolome

IMPORTE: $ 1,000.00

"TODO TRABAJO ES ESTRICTAMENTE DE CONTADO"

GENERAL ELECTRIC WIRING DEVICES, INC
P.O. BOX D, JUANA DIAZ, PUERTO RICO 00665

No. 004105

VENDOR	INVOICE NUMBER	AMOUNT	DISCOUNT	NET AMOUNT
3237	0333	1,000.00		1,000.00
CHECK NO.	TOTALS →	1,000.00		1,000.00

DETACH BEFORE DEPOSITING CHECK

S CHECK IS IN FULL PAYMENT OF THE ACCOUNT STATED ON VOUCHER WHICH ACCOMPANIED IT, AND THE PAYEE ACCEPTS IT AS SUCH BY ENDORSEMENT.

101-209
215

GENERAL ELECTRIC WIRING DEVICES, INC.
P.O. BOX D
JUANA DIAZ, PUERTO RICO

BANCO DE PONCE
PONCE, PUERTO RICO

No.004105

VOUCHER NO.	DATE MONTH	DAY	YEAR
13796	01	12	78

PAY ***1000 DOLLARS 00 CENTS

DOLLARS	CENTS
$****1000	00

General Electric Wiring Devices, Inc.

TO THE ORDER OF
SERVICIOS CARBAREON INC
BOX 46
COTO LAUREL,PR

00644

AUTHORIZED SIGNATURE

NOT NEGOTIABLE

AUTHORIZED SIGNATURE

⑆0215⑈0209⑆ 01⑈002309⑈

Servicios Carbareón, Inc.
P. O. Box #502
Teléfono 842-5060
COTO LAUREL, PUERTO RICO-00644

3 de abril de 1979

Sr. Jaime L. Ortíz Otero, Director
Programa de Desperdicios Sólidos
Junta de Calidad Ambiental
Apartado 11488
Santurce, Puerto Rico 00910

Estimado Sr. Ortíz:

Nuestro cliente, la Compañía General Electric de Juana Díaz, ha requerido de nuestros servicios para disponer de lodo acumulado en su planta de tratamiento. Dicho lodo es producido por el Sistema de niquelar por la galvanoplastia ("electroplating").

La planta de tratamiento no ha sido incluida entre las que poseen permiso de disposición de su Programa y por lo tanto lo estamos solicitando por este medio.

La cantidad de material a disponer es de 4,500 galones de lodo de una consistencia de 25% sólido y 75% agua. La frecuencia del servicio sería bianual para asegurar que la descarga de agua se mantiene libre de niveles de contaminación altos. Una muestra del lodo se analizó en los Laboratorios OMNI y una copia del informe se incluye en esta petición. Se analizó el contenido de zinc y cromio porque estos son los metales utilizados en la planta. No existen otros metales ya que solamente se está niquelando las piezas producidas.

Espero la pronta atencion a nuestra petición para poder seguir trabajando con la disposición apropiada para estos tipos de desperdicios.

Quedo de usted,

SERVICIOS CARBAREON, INC.

Sol L. Colón
Gerente de Operaciones

SLC/cfbp

cc: Sr. José A. Marqués
General Electric, Juana Díaz

Anexo

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

15 de mayo de 1979

Ing. José A. Marqués
General Electric Wiring
Devices, Inc.
Apartado D
Juana Díaz, Puerto Rico 00665

Estimado ing. Marqués:

La Compañía Servicios Carbareón, Inc. ha sometido para nuestra consideración, una solicitud para disponer del cieno generado en la planta de tratamiento de las aguas de electroenchape de la industria General Electric de Juana Díaz.

Por este medio autorizamos a su compañía a utilizar la facilidad de disposición final, Servicios Carbareón, para disponer finalmente del desperdicio antes mencionado. Deberá asegurarse de que el método de disposición a utilizarse sea el más adecuado para este tipo de desperdicio.

Agradeciendo su interés en los asuntos ambientales, quedo de usted

Cordialmente,

Jaime L. Ortiz Otero
Director
Programa Desperdicios Sólidos

SHIPMENT OF HAZARDOUS WASTES

- [x] SLUDGE
- [ ] SPENT MATERIALS
- [ ] SPENT OIL

DATE SHIPPED ---------- 6/15/79

MANIFEST DOCUMENT NO. ---------

TSD FACILITY ------ ---------- SERVICIO CARBAREON
Peñuelas, P.R.

3257

SERVICIOS CARBAREON, INC.

BOX 502 -:- TEL. 842-5060

COTO LAUREL, PUERTO RICO 00644

LIMPIEZA DE TANQUES INDUSTRIALES
ACARREO Y RELLENO SANITARIO
DE DESPERDICIOS SOLIDOS

MEJORES EQUIPOS

PRECIOS MAS BAJOS

Conduce · Factura

Nº 1202

FECHA	DIA	MES	AÑO
	15	6	1979

NOMBRE General Electric Co.

DIRECCION RESIDENCIAL _____ TEL. _____

DIRECCION POSTAL Wiring Devices Dept. - Juana Díaz Plant

P. O. Box D - Juana Díaz, P. R. 00665

LOCALIZACION DEL SERVICIO _____ ZIP CODE _____

1. Servicio de recolección, acarreo y disposición de lodo del sistema de electroenchape — $ 1,182.20
2. Cargos por conseguir permiso de la Junta de Calidad Ambiental incluyendo gastos de Laboratorio — 150.00
3. Costo total del servicio — $ 1,332.20

PAID
JUL 3 1979
JUANA DIAZ, P. R.

P. O. # PR 00698 WD

Conduce # 427

535-514-311

SERVICIOS CARBAREON, INC.
FIRM DELIVERY
PONCE, P. R. 00731
TELS. 836-2068 - 1678

FIRMA DEL CLIENTE

IMPORTE: $ 1,332.20

"TODO TRABAJO ES ESTRICTAMENTE DE CONTADO"

GENERAL ELECTRIC CO.
P O BOX D, JUANA DIAZ, PUERTO RICO 00665

No. 02283

VENDOR	INVOICE NUMBER	AMOUNT	DISCOUNT	NET AMOUNT
3257	1202	1,332 20		1,332 20
CHECK NO	TOTALS →	1,332 20		1,332 20

DETACH BEFORE DEPOSITING CHECK

HIS CHECK IS IN FULL PAYMENT OF THE ACCOUNT TATED ON VOUCHER WHICH ACCOMPANIED IT, AND HE E ACCEPTS IT AS SUCH BY ENDORSEMENT.

THE CHASE MANHATTAN BANK
PONCE, PUERTO RICO

GENERAL ELECTRIC CO.
WIRING DEVICE DEPARTMENT
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

101-206
215

No. 02283

CHECK NO.	DATE MONTH	DAY	YEAR
02057	07	02	79

PAY ***1332 DOLLARS 20 CENTS

DOLLARS	CENTS
$****1332	20

GENERAL ELECTRIC CO.

TO THE ORDER OF
SERVICIOS CARBAREON INC
BOX 562
COTO LAUREL P.R.

00644

AUTHORIZED SIGNATURE

NOT NEGOTIABLE

AUTHORIZED SIGNATURE

⑈002283⑈ ⑆021502065⑆ 709⑈1⑈005020⑈

SHIPMENT OF HAZARDOUS WASTES

- [x] SLUDGE
- [ ] SPENT MATERIALS
- [ ] SPENT OIL

DATE SHIPPED ---------- 10/24/79

MANIFEST DOCUMENT NO. ---------

TSD FACILITY ------ ---------- SERVICIOS CARBAREÓN
PEÑUELAS, P.R.

3257

0108

SERVICIOS CARBAREON INC.

MANTENIMIENTO Y LIMPIEZA INDUSTRIAL

DISPOSICION DE DESPERDICIOS INDUSTRIALES

TEL. 836-2058
836-1678

LOCALIZACION:
CARR. 385 KM. 3.5 BO. TALLABOA
PEÑUELAS, P.R.

DIRECCION POSTAL:
FIRM DELIVERY
PONCE, P.R. 00731

FACTURA

NOMBRE CLIENTE: General Electric Co.

DIRECCION: Wiring Devices Dept. - Juana Díaz Plant

CIUDAD O PUEBLO: P. O. Box D - Juana Díaz, P. R. 00665

FECHA	ORDEN NO.	COTIZACION NO.	CONDUCE NO.	TERMINOS	LOCALIZACION
4/10/79	1107		738	N-30	

DESCRIPCION

1. Servicio de recolección, acarreo y disposición de lodo del sistema de electroenchape.
2. Costo total del servicio ———————————— $ 1,300.00

Jaunguis 10-26-79

PAID
NOV 6 1979
JUAN

514-311

Alma R. Negrón
APROBADO POR.

TOTAL ADEUDADO $ 1,300.00

ORIGINAL

GENERAL ELECTRIC CO.
P O BOX D, JUANA DIAZ, PUERTO RICO 00665

No. 03127

VENDOR	INVOICE NUMBER	AMOUNT	DISCOUNT	NET AMOUNT
3257	0108	1,300.00		1,300.00
CHECK NO.	TOTALS →	1,300.00		1,300.00

DETACH BEFORE DEPOSITING CHECK

THIS CHECK IS IN FULL PAYMENT OF THE ACCOUNT STATED ON VOUCHER WHICH ACCOMPANIED IT, AND THE PAYEE ACCEPTS IT AS SUCH BY ENDORSEMENT.

THE CHASE MANHATTAN BANK
PONCE, PUERTO RICO

GENERAL ELECTRIC CO.
WIRING DEVICE DEPARTMENT
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

101-206
215

No. 03127

CHECK NO.	DATE		
	MONTH	DAY	YEAR
02824	11	02	79

PAY ***1300 DOLLARS 00 CENTS

DOLLARS	CENTS
$****1300	00

GENERAL ELECTRIC CO.

TO THE ORDER OF
SERVICIOS CARBAREON INC
FIRM DELIVERY
PONCE P R

00731

AUTHORIZED SIGNATURE

NOT NEGOTIABLE

AUTHORIZED SIGNATURE

⑈003127⑈ ⑆021502066⑆ 709⑈1⑈005020⑈

13182-0-HIST-1

History / Background docs

Carl,

Juana Diaz background docs I uncovered in Cleveland. Should explain how we got to where we are. Let's discuss if there are still holes in the record that need to be filled.

-Mike

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
A WHOLLY OWNED AFFILIATE OF THE GENERAL ELECTRIC COMPANY

TATE ROAD NO. 149, Km. 67.2
). BOX AE.
A DIAZ, PUERTO RICO 00665
PHONE (809) 837-2500

STREET "A", EL TUQUE INDUSTRIAL PARK
P. O. BOX 7236
PONCE, PUERTO RICO 00731
PHONE (809) 843-4242

SEP 14 1988

Ms. Flor del Valle
Director
Land Pollution Control Area
ENVIRONMENTAL QUALITY BOARD
P.O. Box 11488
Santurce, Puerto Rico 00910

ATTN: Rey Gonzalez
REF: Concrete Process Tank - Plating Process

Dear Ms. del Valle:

This letter answers your request of 9-13-88 to our Milagros Ruiz of GEPRO, concerning information about the concrete tank used in our plating process.

The Concrete tank is a process tank which is part of the wastewater treatment system and is used for sedimentation prior to discharge of treated water to PRASA. It is presently being used and has been in use since 1971 when it was constructed. It has always been used for this purpose.

Attached you will find pertinent information about dimensions and capacity of the tank as submitted the EQB on September 11, 1987 as per their request. Also you will find copies of letters sent to EPA in which we refer to this same subject.

In the original Part A, submitted to EPA in 1980, the tank was misclassified. The tank has always been used as process settling tank and it is not a RCRA unit.

Cordially yours,

Juan Colon
Mfg. Tech. Mgr.

Attachments

cc: File
Milagros Ruiz - GEPRO

Angel Chang, Acting Chief Caribbean Facilities Section
Hazardous Waste Facilities Branch
US EPA , 26 Federal Plaza
New Yor, New York 10272

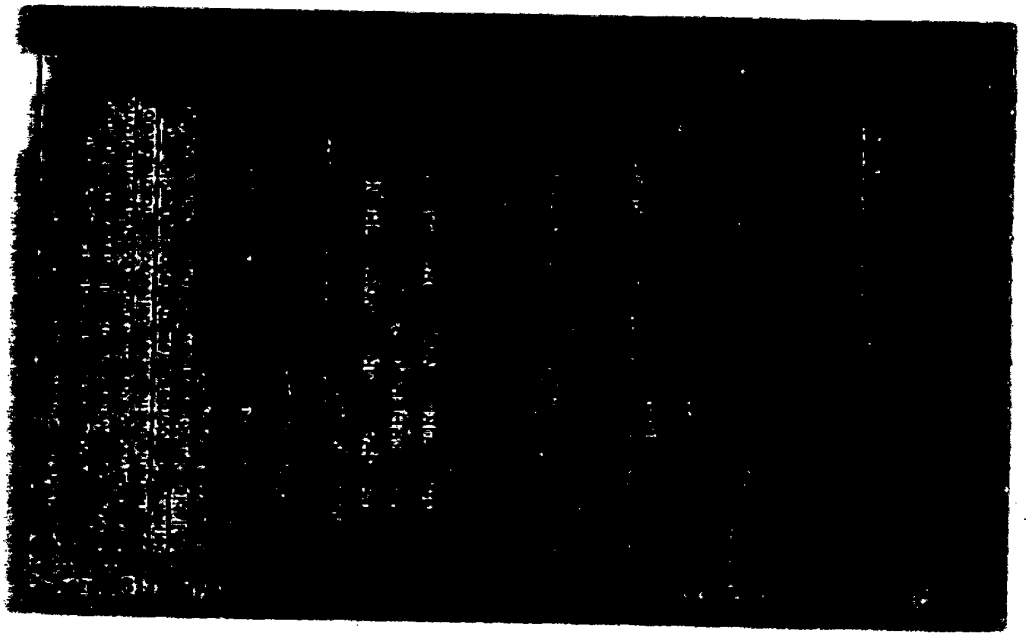
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

U.S.G.P.O. 153-506

Sent to US EPA	
Street and No. 26 FEDERAL PLAZA	
P.O., State and ZIP Code NEW YORK, NY 10272	
Postage	$ 0.45
Certified Fee	0.85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	0.90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.20
Postmark or Date	

JUANA DIAZ, PR
SEP 1988
USPS

PS Form 3800, June 1985



SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

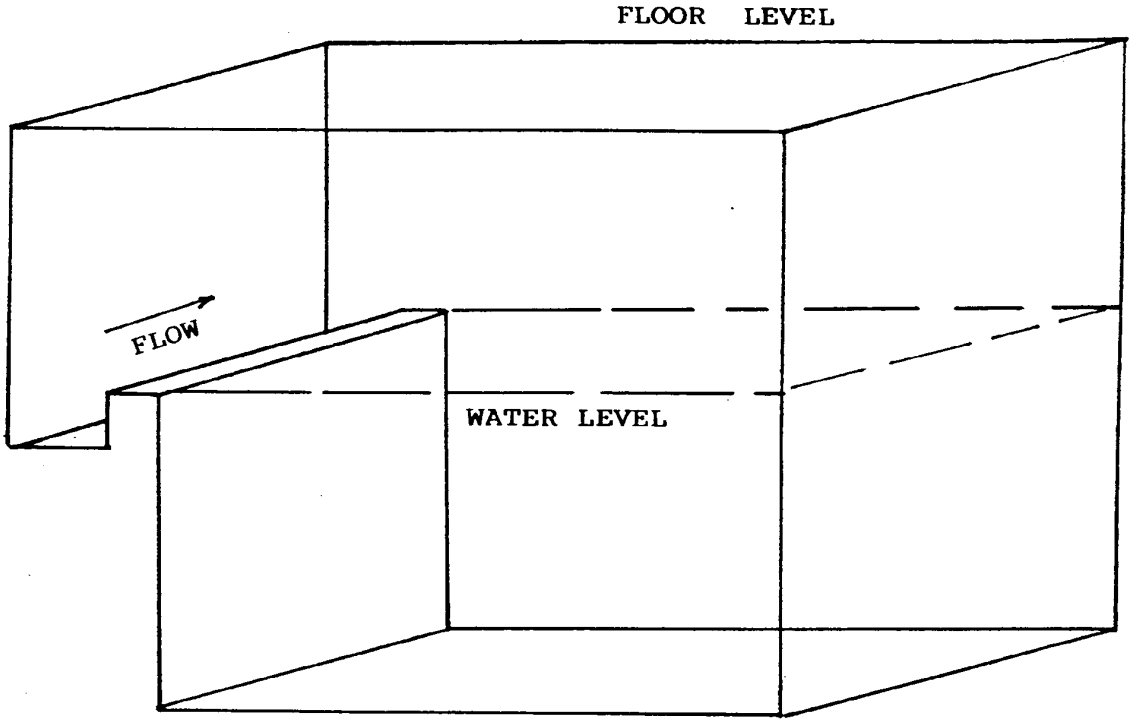
SPECIFIC INFORMATION REQUESTED ON THE SEDIMENTATION TANK

1. AVERAGE FLOW - 420 GALS OF WATER/HR
2. CAPACITY - 4,869.32 GALLONS
3. SIZE OF TANK - PLEASE REFER TO DRAWINGS
4. TYPE OF TANK - SEMI-ABOVE GROUND
5. OTHER - ENGINEERING DOCUMENTS DEVELOPED FOR TANK CONSTRUCTION NOT AVAILABLE.

SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SEDIMENTATION TANK



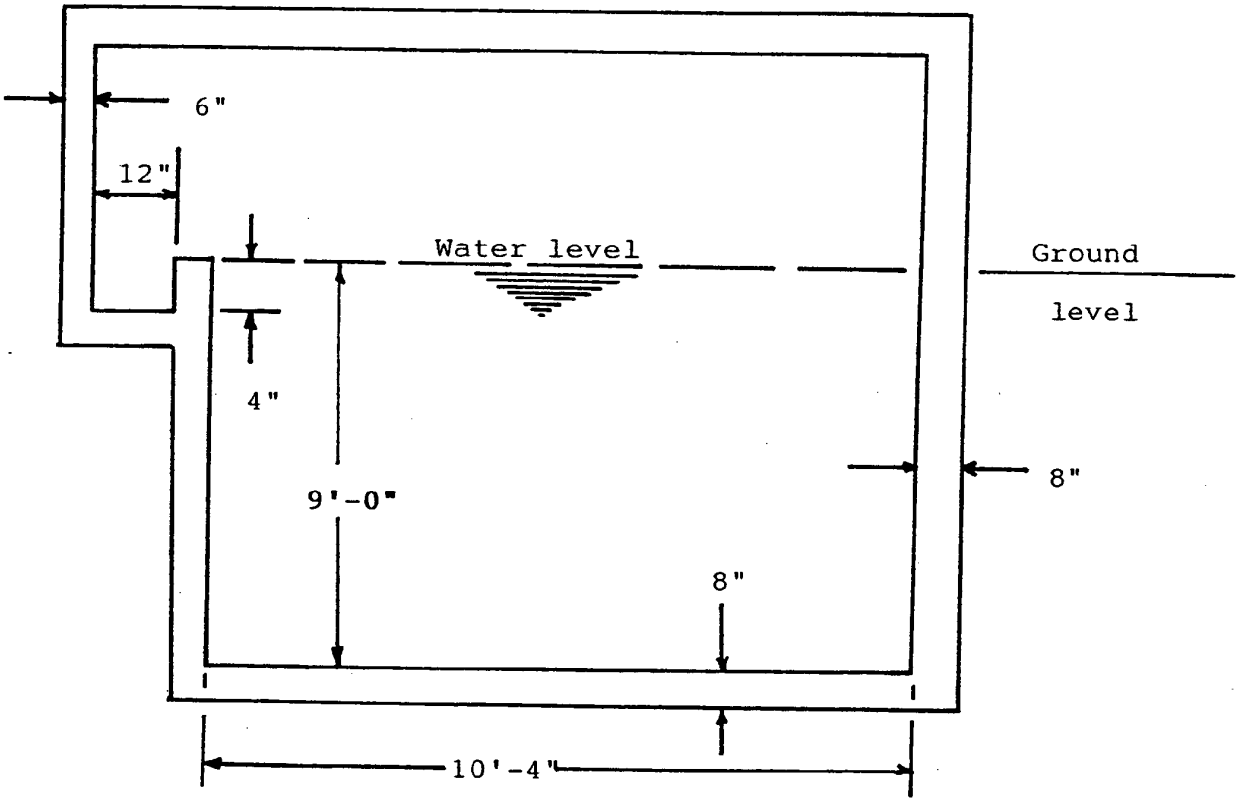
TANK MADE OF REINFORCED CONCRETE

SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SETTLING TANK

SIDE VIEW

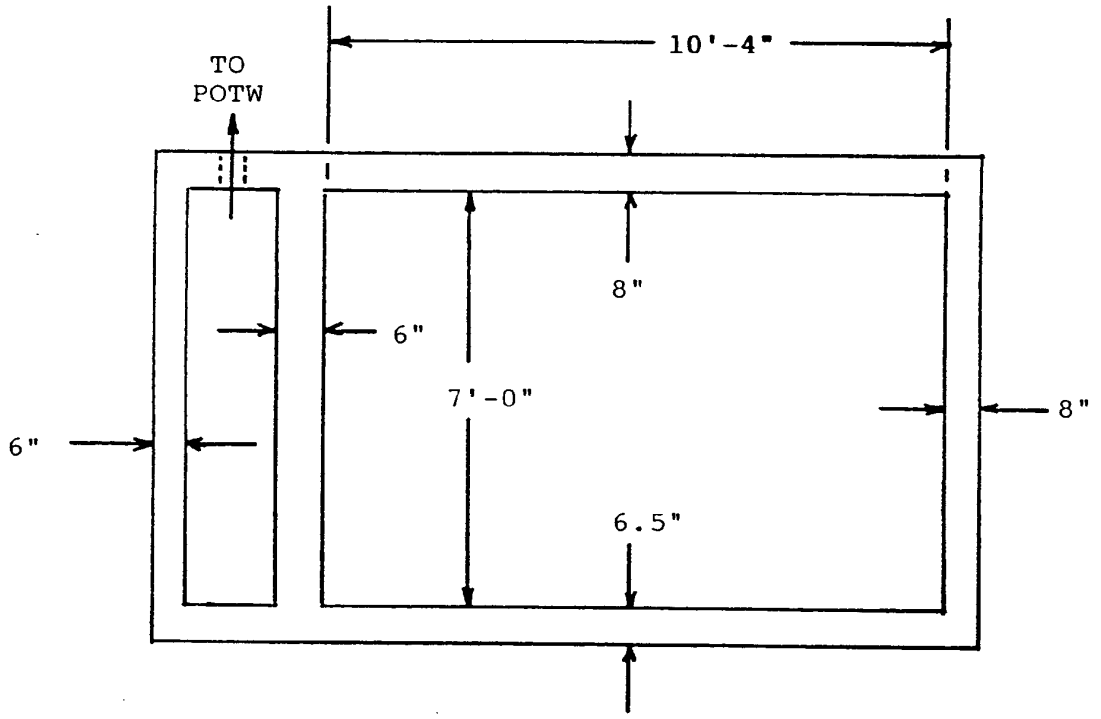


SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SETTLING TANK

TOP VIEW



CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1430
JUANA DIAZ, PUERTO RICO 00665

September 1, 1987

Mr. Barry Tornick
Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

Dear Mr. Tornick:

REF: EPA Id. No. PRD090282757

On August 5, 1980, we submitted to EPA a Notification of Hazardous Waste Activity for our Juana Diaz Plant.

Enclosed you will find a new, revised Notification dated September 1, 1987.

You will find that on the 1980 Notification we included as waste streams the following: F006, F007, F008, and F009. Please refer to enclosed copy of Federal Register, Vol. 45, No. 98, Monday May 19, 1980, page 33123 , included as part of the instructions on how to fill out the Notification.
These hazardous waste numbers identified the possible waste streams that we had at that time , and they were entered in the Notification as Protective Filer in the event that we would need them.

Throughout these years we have only generated F006 and D007 (Chromate Bath Spent Solution - as defined now).

We are removing from the notification the F007, F008, and F009 because at the present time they represent wastes that we have never generated and will not generate because we do not use cyanide. We are only notifying F006 and D007 as our current ones.

Thank you very much for your attention. I remain,

Cordially Yours,

Heriberto Robles
Mgr.- Mfg. Tech.

Encl.
cc: Milagros Ruiz - GEPRO
File

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1430
JUANA DIAZ, PUERTO RICO 00665

Mr. Barry Tornick
ENVIRONMENTAL PROTECTION AGENCY
Region II
26 Federal Plaza
New York, New York 10278

Dear Mr. Tornick:

REF: EPA Id. No. PRD090282757

On November 1980, we submitted to EPA Part A for our Juana Diaz Plant. Enclosed you will find a new revised Part A. We recently submitted a revised Notification of Hazardous Waste Activity (copy of letter enclosed) in which we include only two waste streams vs. four in the original 1980 Notification. The same conditions apply for this revised Part A. We have only managed two waste streams in this facility.

You will also see that on this application we did not include the plating section and the treatment tank. Only the drum storage facility. These two areas are part of the manufacturing process and are not RCRA units.

The spent oil is not included because we only generate used hydraulic oil and we have proven to our satisfaction that is it is not hazardous.

Thank you very much for your attention. Hoping to hear from you ,I remanin,

Cordially yours,

Heriberto Robles, Manager
Manufacturing Technology Dept.

Enc.

cc: M. Ruiz - GEPRO
File

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental Quality Board

RECEIVED

August 11, 1988

'88 AGO 12 A9:18

W.D.P.R. INC
G.E. CO. JUANA DIAZ

Mr. José Marques
Environmental Coordinator
Caribe G.E. Products, Inc.
P.O. Box 1430
Juana Díaz, Puerto Rico 00665

RE: Caribe G.E. Product
Juana Díaz, P.R.
RCRA Facility Assessment
PRD090282757

Dear Mr. Marques:

The 1984 Hazardous and Solid Waste Amendments (HSWA) to the Resource Conservation and Recovery Act (RCRA) include three provisions that give the Environmental Protection Agency (EPA) authority to require corrective action for releases of hazardous wastes and hazardous constituents into the environment. Provisions are: section 3004 (u) for facilities seeking RCRA permits, section 3008 (h) for the use of enforcement orders at interim status facilities, and section 3004 (v) for dealing with releases that have migrated beyond the facility boundaries.

EPA has developed a three-phase program for implementing these provisions: the RCRA Facility Assessment (RFA), the RCRA Facility Investigation (RFI), and Corrective Measures Studies (CMS) and Corrective Measures Implementation (CMI).

The Environmental Quality Board (EQB) of Puerto Rico has been commited by the EPA to perform the RFA of Caribe G.E. Products, Inc., Juana Díaz for the fourth quarter of Fiscal Year 1988. The RFA is designed to identify the universe of possible sources of releases and to eliminate from further consideration those waste management activities with little or no potential for environmental contamination. It will address releases to all media, i.e., soil, groundwater, surface water, air and generation of subsurface gas, from any discernable unit or activity in which wastes have been managed across the entire facility.

In order to identify all Solid Waste Management Units (SWMUs) and other Areas of Concern where hazardous wastes or hazardous constituents may be released into the environment, we are requesting Caribe G.E. Products to submit the information in attached questionnaire to the best of your knowledge.

Since we are planning to visit your company for the week of August the 29th, we will appreciate receiving the requested information prior to our visit. Therefore, you are hereby granted ten (10) days upon receipt of this letter for submittal of the questionnaire.

Should you have any question about this matter, please do not hesitate to call Ms. Aida T. Fuentes Rivera, at (809) 722-5453.

Cordially,

Flor L. Del Valle López
Director
Land Pollution Control
Area

ATFR/eas

Enclosure

RECEIVED
'88 AGO 12 A9:18
W.D.P.R. INC
G.E. CO.-JUANA DIAZ

GE Lighting

Wiring Devices
Caribe General Electric Products, Inc.
P.O. Box 1412 Juana Diaz, PR 00665
809 837 2500

AUG 17 1988

Flor del Valle
Director
Land Pollution Control Area
ENVIRONMENTAL QUALITY BOARD
P.O. Box 11488
Santurce, Puerto Rico 00910

RE: Caribe G. E. Products, Inc.
Juana Diaz Plant
PRD090282757
RCRA Facility Assesment

Dear Mrs. del Valle:

Enclosed you will find the completed Questionnaire that was attached to your letter of August 11, 1988.

Cordially yours,

Jose A. Marques

Jose A. Marques
Mfg. Engr.

Enc.

cc: Milagros Ruiz - GEPRO
Aida Fuentes - EQB
File

QUESTIONNAIRE

Information Regarding Potential Hazardous Waste and Hazardous Waste Constituents Releases From Solid Waste Management Units

Facility Name : CARIBE GENERAL ELECTRIC PRODUCTS, INC.

EPA I.D. NO. : PRD090282757

Location : Street CALLE CARRION MADURO

City & State : JUANA DIAZ, PUERTO RICO

Check : owner XX operator _____

Please review the following definitions prior to proceeding to page 2.

I. Under the Resource Conservation and Recovery Act (RCRA) amendments of 1984, the term "solid waste" means any garbage, refuse, sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility and other discarded material, including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges which are point sources subject to permits under section 402 of the Federal Water Pollution Control Act, or byproduct material as defined by the Atomic Energy Act of 1954. A solid waste is defined in 40 CFR 261.2.

II. A hazardous waste is a solid waste that is either listed in 40 CFR; Part 261; Subpart D ("List of Hazardous Wastes") or possesses one or more of the characteristics identified in 40 CFR; Part 261; Subpart C ("Characteristics of Hazardous Waste") and is not excluded in 40 CFR 261.4.

III. The Hazardous Constituents are listed in 40 CFR; Part 261; Appendix VIII (Hazardous Constituents).

W.D.P.R. INC
G.E. CO. JUANA DIAZ

'88 AGO 12 A9:18

RECEIVED

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1430
JUANA DIAZ, P.R. 00665

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1430
JUANA DIAZ, P.R. 00665

IV. The term "solid waste management unit" (SWMU) applies to any landfill, surface impoundment, waste pile, land treatment unit, incinerator, tank (including 90 days accumulation tank), injection well, transfer station, waste recycling operation, container storage area, waste handling area that currently or formerly was used to manage a solid waste.

V. Under the requirements of the Hazardous and Solid Waste Act Amendments of 1984, Section 3004(u) of the RCRA amendments mandates that EPA address contamination caused by prior releases of hazardous wastes and hazardous constituents from solid waste management units, regardless of the time when the waste was placed in the unit or when the unit was closed.

VI. The term "tank" includes wastewater treatment units, elementary neutralization units and short-term accumulation units that are exempted from RCRA permit requirements.

VII. The term "release" includes any spilling, leaking, pumping, pouring, emitting, discharging, injection, escaping, leaching, dumping or disposing into the environment, but excluding releases otherwise permitted under law (e.g., NPDES permitted discharges).

SPECIFIC INFORMATION

1) Are there any of the following solid waste management units existing or closed at your facility? Include any units you are aware of that were used by previous owners.

	Yes	No
. Landfill	X	
. Surface Impoundment		X
. Dump-pit or Leach Field		X
. Land Treatment Plant		X
. Waste Pile		X
. Incinerator		X
. Storage Tank (above ground)		X
. Storage Tank (below ground)		X
. Container Storage Area	X	
. Injection Wells, Sink Holes		X
. Wastewater Treatment Units	X	
. Transfer Stations		X
. Waste Recycling Operations		X
. Other (specify)		X

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX [illegible]
JUANA DIAZ, P.R. 00655

(For items 2-4, if the space provided is not sufficient, use additional sheets as necessary and specify the item being answered).

2) If there are "Yes" answers to any of the items in number one above, please provide the following:

A. A description of the wastes that were stored, treated or disposed of in each unit. Quantity or volume of waste, if known.

1. LD-1 LANDFILL- MERCURY CONTAMINATED SW#1
2. CSA-1 WASTEWATER TREATMENT SLUDGES , F006 SW#2
3. CSA-2 NON-REGULATED, NON-HAZARDOUS USED OIL SW#3
4. CSA-3 NON-REGULATED METAL SCRAP SW#4
5. WWT-1 CHROME REDUCTION SW#5
6. WWT-2 CHEMICAL PRECIPITATION SW#6
7. WWT-3 SLUDGE SETTLING TANK SW#7

B. Determine, as best you can, if the particular waste would be considered a hazardous waste or hazardous constituent under RCRA (See definitions on page one).

2. CSA-1 WASTEWATER TREATMENT SLUDGES, F006,
LISTED WASTE

C. A description of each unit including: type, capacity, location of each existing or closed unit on the topographic map and on a site plan; engineering drawings for each unit if available; dimensions and materials of construction of each unit; dates when the unit was in operation.

PLEASE REFER TO PAGES 6 & 7 FOR DETAILS

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ [illegible]
P.O. B[illegible]
JUANA DIAZ, P.R. 00795

3) For each unit noted in number one, please provide the following information on any prior or current release of hazardous waste or hazardous constituents.

   i) Source of information that has led to the possibility that a release has occurred (i.e. discoloration of surrounding soil)
   ii) Date(s) of release
   iii) Groundwater monitoring data for units
   iv) Type of waste/material released
   v) Quantity or volume of waste/material released
   vi) Nature of release (i.e., spill, overflow, ruptured tank or pipeline, leachate from landfill or surface impoudment, etc.)

N/A

4) With regard to the prior releases described in number three above, please provide (for each unit) any analytical data that may be available which would describe the nature and/or extent of environmental contamination that exists as a result of such releases. In addition, any information on the concentration of hazardous waste or hazardous

constituents present in contaminated soil, groundwater or surface water should be attached. Include any information/ data (including groundwater monitoring data) submitted to EPA and the State under any other regulatory programs (i.e. Superfund, In place toxics, etc.) that concerns prior or continuing releases as described above.

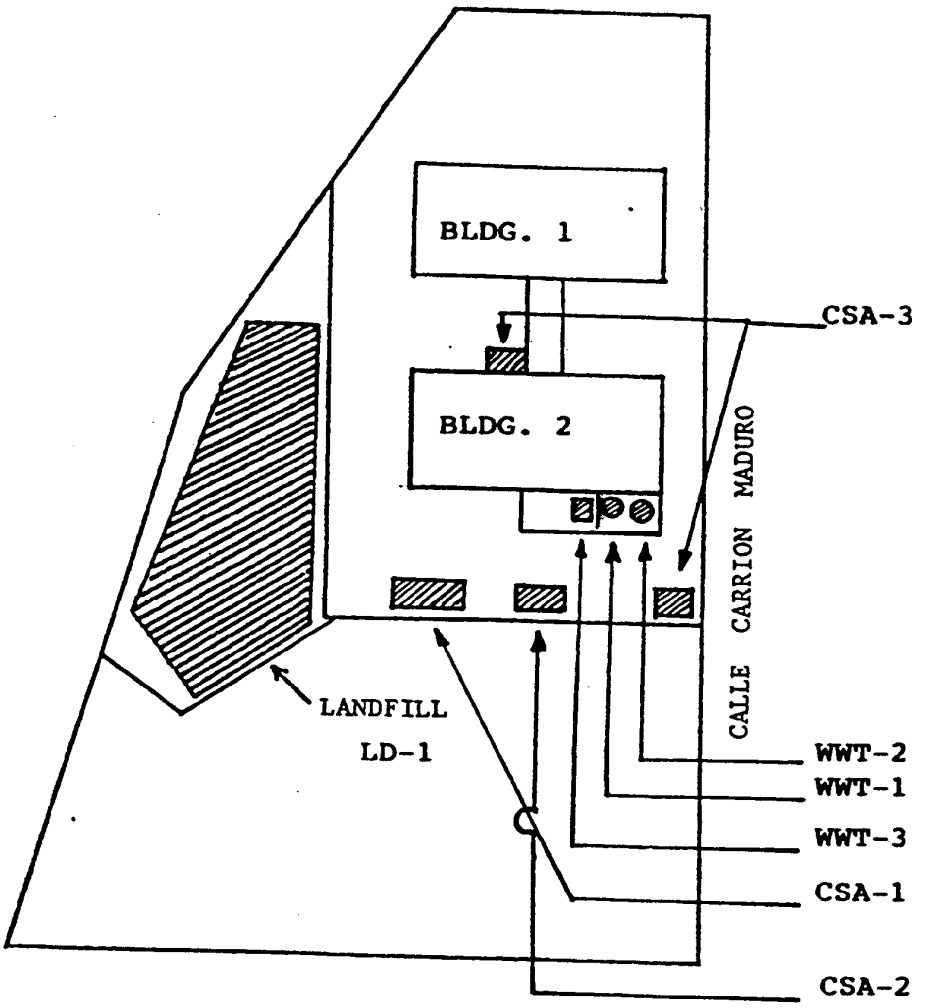
N/A

5) If you do not have any record of a SWMU on your site, is there any evidence from soil borings, drilling of groundwater wells, groundwater monitoring results, exploratory pits or any excavations that would indicate the presence of a SWMU or that a release of hazardous waste or hazardous constituent has occurred (Please describe the type of activity and observations that led to the discovery)?

N/A

ATF/eas

GENERAL ELECTRIC COMPANY
WIRING DEVICES DEPT.
JUANA DIAZ PLANT



CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX A.E.
JUANA DIAZ, P.R. 00665

QUESTION 2-C.

1. LD-1 THIS LAND DISPOSAL UNIT IS A LANDFILL WITH SOIL MERCURY CONTAMINATION. IT IS INCLUDED IN THE NATIONAL POLLUTANT PRIORITY LIST AND HAS BEEN UNDER THE SUPERFUND SINCE 1981. EPA IS CURRENTLY EVALUATING THE F.S. INACTIVE SWMU.

2. CSA-1 CONTAINER STORAGE AREA. USED FOR STORAGE OF F006 , WASTE-WATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS. AREA- 600 SQ-FT. 125 DRUMS CAPACITY. IN OPERATION SINCE 1980. ACTIVE SWMU .

3. CSA-2 CONTAINER STORAGE AREA. USED FOR STORAGE OF NON-REGULATED NON-HAZARDOUS USED OIL. AREA 180 SQ-FT. 20 DRUMS CAPACITY. IN USE SINCE 1986. ACTIVE SWMU .

4. CSA-3 CONTAINER STORAGE AREA. USED FOR STORAGE OF NON-REGULATED SCRAP METALS FROM STAMPING OPERATIONS. AREA 636 SQ-FT. 100 DRUMS CAPACITY. IN USE SINCE 1981. ACTIVE SWMU.

5. WWT-1 WASTEWATER TREATMENT UNI. USED FOR REDUCTION OF CHROMATE. SIZE 125 GALLONS. IN USE SINCE 1971. ACTIVE SWMU .

6. WWT-2 WASTEWATER TREATMENT UNIT. USED FOR NEUTRALIZING / CHEMICAL PRECIPITAION OF METALS. SIZE 500 GALLONS. IN USE SINCE 1971. ACTIVE SWMU .

7. WWT-3 WASTEWATER TREATMENT UNIT. USED FOR SEDIMENTATION OF SLUDGES. SIZE 6000 GALLONS. IN USE SINCE 1971. ACTIVE SWMU.

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
[illegible]
JUANA DIAZ, [illegible] 00795

16. UNDERGROUND STORAGE TANKS

Introduction

COMPANY POLICY: CEP has issued a "best practices" document for underground storage tanks at GE facilities. If you have any underground tanks, you should familiarize yourself with this document, available from CEP.

LEGAL OVERVIEW: The 1984 RCRA Amendments set forth many new requirements for owners and operators of underground storage tanks. Congress developed these requirements to address concerns about potential ground water contamination caused by the leaking of hazardous substances and petroleum from underground tanks. These requirements do not apply to tanks used to store or accumulate hazardous wastes (see Module Unit 7, "Tank Storage"). Rather, the underground tank regulations pertain to the storage of certain products referred to as "regulated substances." The underground storage tank regulations are contained in 40 CFR Part 280. *Substantive technical requirements for underground storage tanks were promulgated by EPA on September 23, 1988 (53FR 37082).*

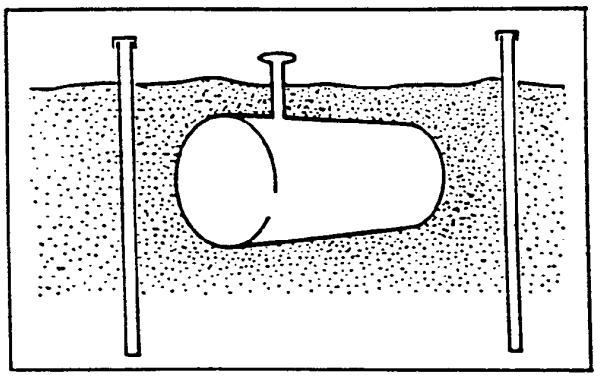
Under RCRA, an underground storage tank is defined as a tank or tanks (including underground pipes connecting to the tanks) that is used to contain regulated substances, and which has 10 percent or more of its volume (including the volume of underground pipes) beneath the surface of the ground (40 CFR 280.1). A regulated substance is defined as any substance regulated as a "hazardous substance" under CERCLA (except RCRA hazardous wastes), and petroleum, including crude oil or any fraction of crude oil that is liquid at standard conditions of temperature and pressure (40 CFR 280.1).

The following tanks are excluded from the underground storage tank regulations:

- farm or residential tanks of 1,100 gallons or less, storing motor fuel for non-commercial purposes;
- tanks used to store heating oil for consumption on the premises where stored (although some states require that these tanks be registered);
- septic tanks;
- pipeline facilities regulated under other acts or laws;
- surface impoundments, pits, ponds, or lagoons;
- storm water or wastewater collection systems;
- flow-through process tanks;
- liquid trap or associated gathering line related to oil or gas production and gathering operations;
- storage tanks in basements or other vault-like places where the tanks are above the floor;
- pipes connected to any of these excluded tanks;
- *underground tanks holding hazardous wastes;*
- *any wastewater treatment tank that is part of a wastewater treatment facility subject to Clean Water Act Section 307(b) or 402;*
- *equipment or machinery that contains regulated substances for operational purposes (such as hydraulic lift tanks);*
- *any tank whose capacity is 110 gallons or less;*
- *any tank that contains a de minimus concentration of regulated substances; and*
- *any emergency spill or overflow containment system.*

In addition, the technical standards have been deferred for certain other tank systems, including:

- wastewater treatment tank systems
- any tank system containing radioactive material
- any tank system that is part of any emergency generator
- airport hydrant fuel systems
- field-erected tanks.



The *UST* regulations establish responsibilities for persons who own underground storage tanks, deposit regulated substances into underground storage tanks, and/or sell underground storage tanks. Tank owners are responsible for registering the tanks with their state hazardous waste or other designated agency. In addition, no new tanks *should have been* installed *between* May 7, 1985, *and December 22, 1988*, unless they *met* certain release prevention requirements. People who deposit regulated substances in underground tanks and people who sell underground tanks must tell tank owners about their responsibilities under RCRA. Federal and state enforcement and inspection officials may request information from the tank owner; inspect and sample tanks; monitor and test tanks and the surrounding areas; and levy civil penalties of up to $10,000 per day per tank for failure to register the tank or providing false information.

TECHNICAL REQUIREMENTS: In the September 23, 1988 regulations, EPA promulgated performance standards for new tanks including, but not limited to, tank design, construction, installation, release detection, and compatibility with the stored substance. In addition, EPA promulgated leak detection/corrective action standards for all underground tanks. *The regulations also provided a schedule for retrofitting or upgrading existing tank systems to meet the new tank standards. Requirements differ for petroleum tanks and hazardous substance tanks.*

***Existing petroleum tanks** (those installed prior to December 1988) must satisfy the following requirements by December 1998:*

- *corrosion protection for steel tanks and piping*
- *devices to prevent spills and overfills*

Leak detection for petroleum USTs will be phased-in, as described later.

***Existing chemical USTs** (those installed prior to December 1988) must also be upgraded by December 1998. Requirements which will apply to existing chemical UST in December 1998 include:*

- *corrosion protection for steel tanks and piping*
- *devices to prevent spills and overfills*

As with existing petroleum tanks, leak detection requirements for existing chemical tanks are being phased-in based on tank age. However, after December 1998, chemical USTs must meet the secondary containment and interstitial monitoring requirements.

GE Lighting

Wiring Devices
Caribe General Electric Products, Inc
P.O. Box 1430, Juana Diaz, PR 00665
809 837-2500

December 12, 1989

Doug Pocze
Environmental Engineer
Hazardous Waste Facilities Branch
Room 1048
US EPA Region II, 26 Federal Plaza
New York, New York 10278

Dear Mr. Pocze:

Im response to your telephone request to Milagros Ruiz of GEPRO on November 15, this is to furnish you with the information on the settling tank that has been provided to EQB.

There is no letter on exemption status for the tank.

Cordially yours,

J. J. Colon
Mfg. Tech. & Q.C. Manager

cc : J. Purdy
M. Ruiz
File

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
A WHOLLY OWNED AFFILIATE OF THE GENERAL ELECTRIC COMPANY

STATE ROAD NO. 149, Km. 67.2
P. O. BOX AE.
JUANA DIAZ, PUERTO RICO 00645
PHONE (809) 837-2500

STREET "A", EL TUQUE INDUSTRIAL PARK
P. O. BOX 7236
PONCE, PUERTO RICO 00731
PHONE (809) 843-4242

SEP 14 1988

Ms. Flor del Valle
Director
Land Pollution Control Area
ENVIRONMENTAL QUALITY BOARD
P.O. Box 11488
Santurce, Puerto Rico 00910

ATTN: Rey Gonzalez
REF: Concrete Process Tank - Plating Process

Dear Ms. del Valle:

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Attached you will find pertinent information about dimensions and capacity of the tank as submitted the EQB on September 11, 1987 as per their request. Also you will find copies of letters sent to EPA in which we refer to this same subject.

In the original Part A, submitted to EPA in 1980, the tank was misclassified. The tank has always been used as process settling tank and it is not a RCRA unit.

Cordially yours,

Juan Colon
Mfg. Tech. Mgr.

Attachments

cc: File
Milagros Ruiz - GEPRO

Angel Chang, Acting Chief Caribbean Facilities Section
Hazardous Waste Facilities Branch
US EPA , 26 Federal Plaza
New Yor, New York 10272

SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

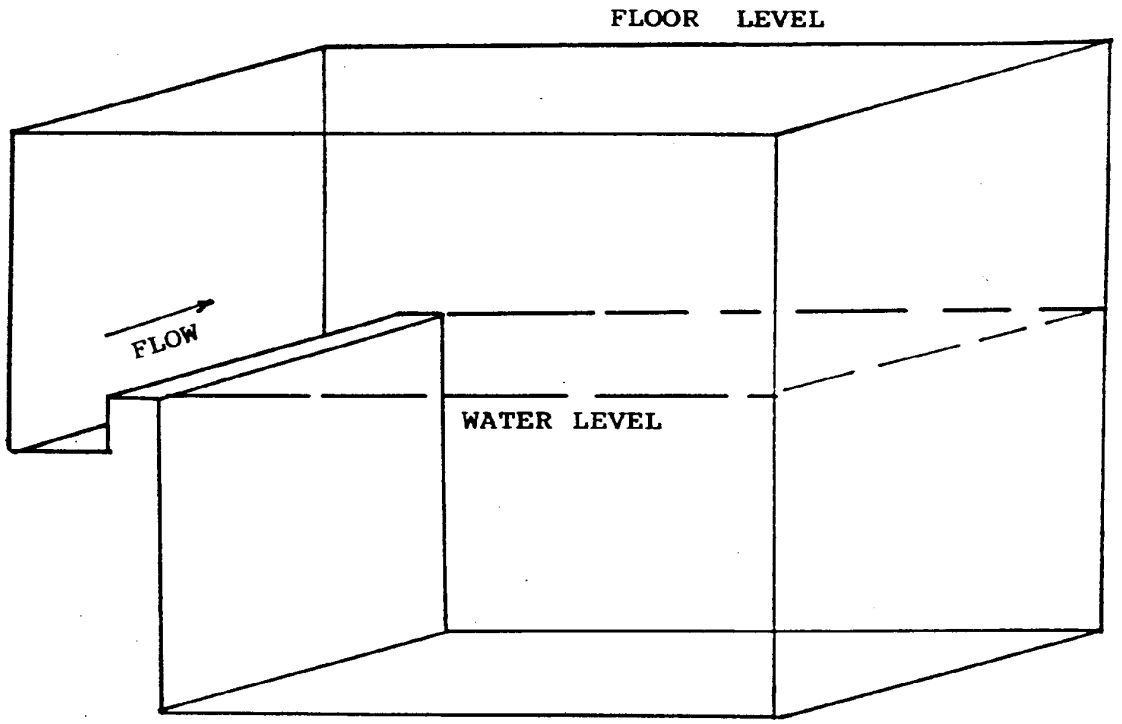
SPECIFIC INFORMATION REQUESTED ON THE SEDIMENTATION TANK

1. AVERAGE FLOW - 420 GALS OF WATER/HR
2. CAPACITY - 4,869.32 GALLONS
3. SIZE OF TANK - PLEASE REFER TO DRAWINGS
4. TYPE OF TANK - SEMI-ABOVE GROUND
5. OTHER - ENGINEERING DOCUMENTS DEVELOPED FOR TANK CONSTRUCTION NOT AVAILABLE.

SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SEDIMENTATION TANK



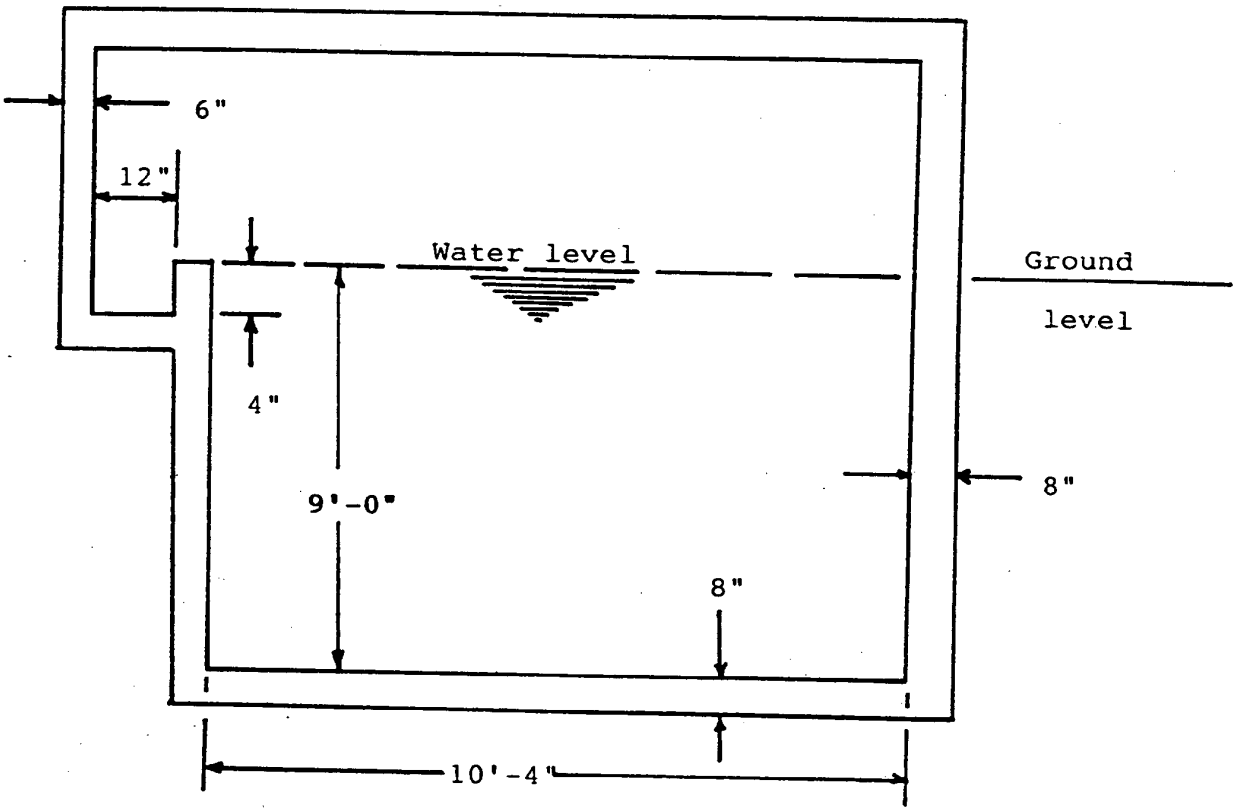
TANK MADE OF REINFORCED CONCRETE

SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SETTLING TANK

SIDE VIEW

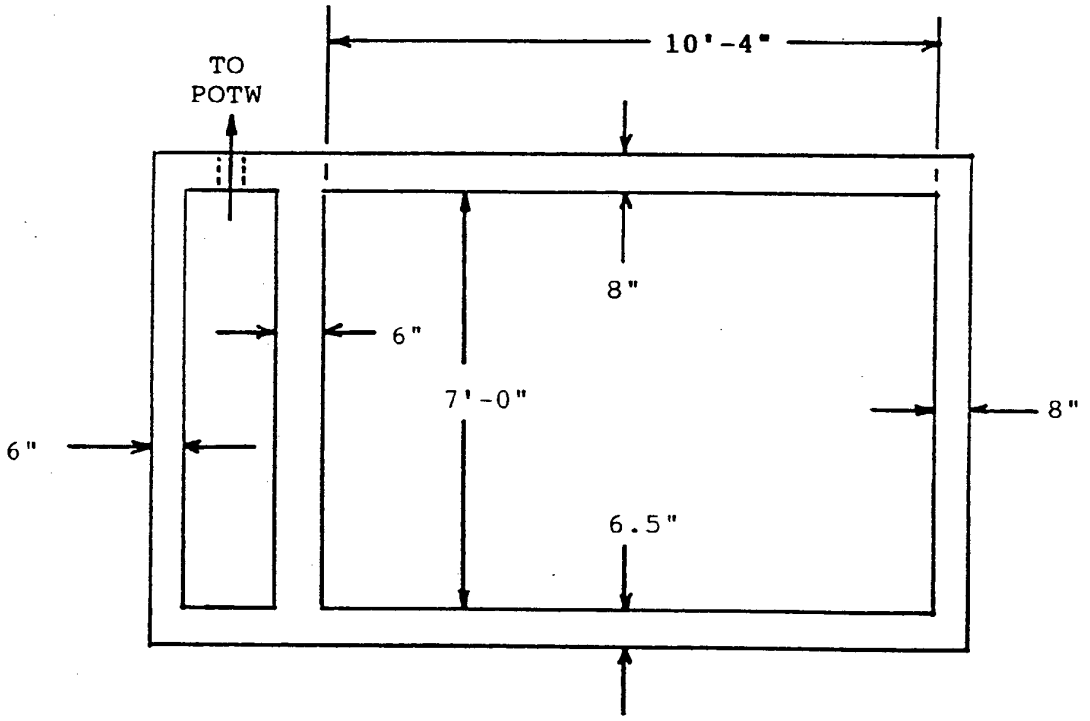


SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SETTLING TANK

TOP VIEW

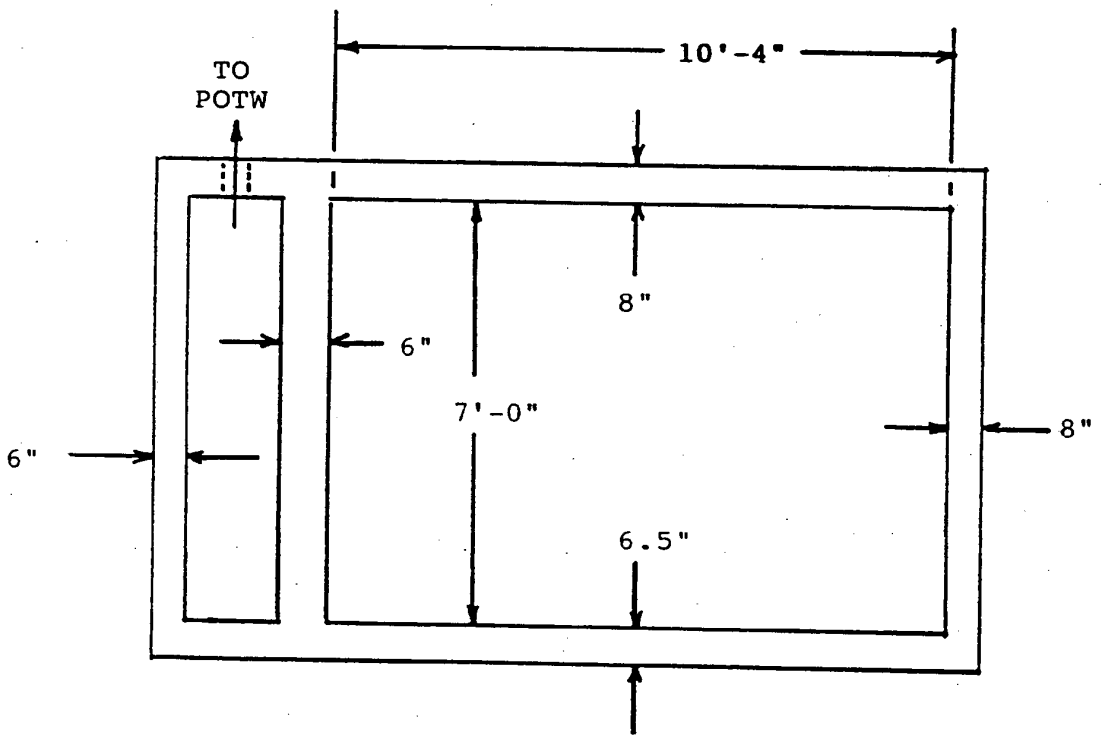


SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SETTLING TANK

TOP VIEW



V. Colón

Dear Ms. Ruiz,

I have enclosed a copy of the RFA for GE Juana Diaz. In the report there are some pages missing because photographs were taped to the page and could not be xeroxed. I will ask EQB to include a copy of the pictures, if possible, with the copy that they will be providing you shortly.

I have not removed the conclusions and recommendations which are usually not included in the public version, because EQB's rcommendations are intermingled with the conclusions and summaries. Please be advised that this is only a draft version and not final.

Sincerely,

Douglas Pocze

Milagros Ruiz

Corrections, additions, and notes on the following pages:

Page 4	Page 30
5	42
6	49
8	
12	
15	

Please review and call.

1-18-90

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

FAX MESSAGE

DELIVER TO : Stephen Brown

COMPANY : Caribe General Electric Tuana Dias

FROM : EQB LAND POLLUTION CONTROL AREA

SENDER

TECHNICIAN : E. Cabrera.

SECRETARY :

TELEPHONE FAX NO. : 837-3230

SUBJECT : Company's RFA Comements (EPA)

COMMENTS : to Stephen to review and found what's information is on the company's hand

NO. OF PAGES (including cover sheet) 3

Note: If you have any trouble receiving this transmission or you did not receive the specified number of pages shown above, please call Edwin Cabrera 766-2817 EXT-2630 at 767-8118.

Velando por la pureza que usted desea, en el ambiente que le rodea.

Draft 6/2

Fax - 837-3230

GE-Juana Diaz RFA Comments

After reading Section A of the RFA, I am greatly concerned with regards to the possible mercury contamination. Neither the original or revised Part A Notification references it. Where did it originate and how was it generated? Will mercury be a constituent used as a sampling parameter?

It was stated on the bottom of page 14, "sedimentation tank cannot be visually inspected; the plant will be in use until December 23, 1988." Why can the tank not be inspected? A more detailed comment should have been provided giving reasons for not inspecting the tank.

On the top of page 15 under the title "Shipping Dock" the sentence reads "raw materials were being received; a while dust was observed on the floor." What does the mean? The grammar is incorrect and the sentence does not reveal anything of importance. What type of raw materials were received and how were they received? Is it possible that systematic or continuous release could have occurred from this area? More details should have been provided.

The section entitle "Mercury Land(d)fill" on page 15 also needs more details concerning the unit. How large is it? How deep is it? What condition is the landfill in? What was observed during the site investigation? Comments were made regarding the runoff and the fact that no containment was observed. These comments are useful, but they only represent one aspect of the unit. What about the other requirements for a landfill (i.e. security, dikes, groundwater monitoring etc.)

The remaining units (Container Storage Areas No. 1, No. 2 and No. 3, New WWTP and the Raw Material Storage described on page 15 again lack details. Nothing specific is given for the units. As one reads further in the report more details may be provided, but this is confusing to the reader. I recommend that this section be expanded or combined with another section in order to give the reader details at the beginning of the report.

SWMU I which is the landfill gave a description of the landfill and one item mentioned was that it is on the Superfund list. Has any testing been performed by Superfund, another agency or the company which may provide us with some working data?

In the section SWMU 4 which is CSA 3, EQB stated "the unit has no containment system because nature of waste managed at the unit does not worth it." Does this imply the waste is not hazardous? From the picture it appears that any release would spill out over the concrete. A berm may be useful for the unit. In addition,

whatever was stored in the unite should be tested for hazardous waste and constituents.

SWMU 7 is a settling, in-ground tank used to store neutralized, F006 sludge. In the Status section it states that the unit was active until 12/88. What will occur in future for the cracked and therefore sampling should be performed. AOC I generated F006 sludge from cleaning and stripping of tin and would be subject to RCRA. Additional information concerning accumulation, composition and destination of the sludge is necessary.

I found the report informative and organized. The used of photographs greatly enhances the comments and descriptions provided. The site visit report, however was lacking any specific details or observations and probably could have been expanded or combined with another section. The site visit report provided short information bullets on various SWMUs before the reader had any description of the SWMUs. This was confusing. The table summaries and conclusions were detailed identifying main issues and comments. One additional area I feel should also have been expanded was the work performed or scheduled by CERCLA. Will CERCLA be performing remediation? Is our corrective action process necessary for this unit if CERCLA is involved? Can we coordinate our objective with CERCLA?

CARIBE GENERAL ELECTRIC PRODUCTS, INC.

JUANA DIAZ PLANT

① INFORMATION REQUESTED BY EQB FOR RE CLASSIFICATION

② REVISED NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

SUBMITTED ON 7 MAY 1991

— COPY —

MILAGROS RUIZ

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental Quality Board

RECEIVED
APR. 26 1991

March 29, 1991

Mr. Stephen Brown
Caribe General Electric Products, Inc.
P.O. Box 741
Juana Díaz, Puerto Rico 00665

Dear Mr. Brown:

Your company submitted a letter to our office requesting a change in hazardous waste activity. For this reason, we are including:

X Information required to evaluate the declassification/ reclassification/ protective filer petition

X Notification of Hazardous Waste Activity form for a revised application

Ten (10) work days upon the receipt of this letter are granted for submittal of the above information, in order to adequately evaluate your request. If this information is not submitted within the period granted, the company will continue under current classification requested with the EPA Form 8700-12 (Notification of Hazardous Waste Activity) and will have to comply with the requirements applicable to such classification.

If you have any question with respect to this matter, do not hesitate to call Mr. Edwin A. Cabrera, at (809) 767-8181 ext. 2630 or 766-2817.

Cordially,

Flor L. del Valle
Director
Land Pollution Control Area

EC/eas

Information required for change in Hazardous Waste Activity Petition

1) *Name, EPA Id Number, local address and postal address of the company*

2) *Type of change requested*

3) *Name, address and phone number of an authorized representative*

4) *Detailed description of the process*

5) *Identify the raw materials used in process*

6) *Identify the hazardous wastes generated since 1980 by description and waste codes. Also indicate quantities and frequency of generation.*

7) *Description of hazardous waste management*

   a) *Storage in containers, tanks, waste piles and/or surface impoundments. Please indicate the storage period before final disposal.*
   b) *Physical, Chemical or Biological Treatment. Include a detailed description.*
   c) *Final disposition ("on-site"), landfill, surface impoundments, land treatment.*

8) *Name and ID number of the off-site hazardous waste disposal facility, including shipping frequency.*

9) *Include a Closure Plan or a Closure Certification for facilities applying declassification or reclassification. (This item does not apply for Protective Filers Facilities).*

10) *If no hazardous waste are generated or store for more than 90 days, include any document that support that statement. Provide detailed description of process and include "Material Safety Data Sheet". (For Protective Filers).*

11) *Include any document (eg. logbooks, manifest, annual reports), chemical analysis and/or related material supporting the petition.*

12) *Include a* certified *sworn statement from a company's authorized representative stating that the petition is valid.*

13) *Include any other information and/or document that EQB could consider in the petition evaluation.*

GE Lighting

Caribe General Electric Products, Inc.
P.O. Box 1430, Juana Diaz, PR 00665
(809) 837-2550

7 May 1991

Mrs. Flor L. del Valle
Junta de Calidad Ambiental
P.O. Box 11488
Santurce, Puerto Rico 00910

RE: Your letter dated March 29, 1991
Received April 26, 1991
Information requested for reclassification
Caribe General Electric Products, Inc.
Juana Diaz, Puerto Rico
PRD090282757

Enclosed you will find the information that you requested in your letter for reclassification of our Juana Diaz facitily from TSDF to Small Quantity Generator. Also, you will find the revised Notification of Hazardous Waste Activity.

Cordially yours,

Jose A. Marques
Env. Coordinator

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

DATE : MAY 3, 1991

SUBJECT : INFORMATION REQUESTED BY EQB FOR RECLASSIFICATION

---

1. Caribe General Electric Products, Inc.
   P.O. Box 1430
   Calle Carrion Maduro
   Juana Diaz, Puerto Rico 00665
   EPA Id. No. : PRD 090282757

2. Type of Change:
   Reclassificatiom from TSDF to Small Quantity Generator

3. Authorized Representative :
   Jerry Purdy, Plant Manager
   Caribe General Electric Products, Inc.
   P.O. Box 1430
   Juana Diaz, Puerto Rico 00665
   Tel. 809-837-2500

4. Description of Process :
   The process that generates the hazardous waste is Electroplating. We have zinc, nickel, and tin electroplating processes. Cleaning of dies in tool room with solvents.

5. Raw Material Used :
   See attachment No. 1

6. Hazardous Wastes Generated :
   Electroplating Sludge F006
   Solvents D001

7. HW Management :
   a. F006 hazardous waste is stored in bags. HW stored less than 90 days before final disposition. D001, solvent is used and stored in its own drum.

   b. Hazardous waste are not treated.

   c.F006 hazardous waste shipped to a reclaimer in the U.S. D001 hazardous waste picked up the supplier/reclaimer.

DATE : MAY 3, 1991

SUBJECT : INFORMATION REQUESTED BY EQB FOR RECLASSIFICATION
Page No. 2

---

8. Disposal Facility :
Encycle Texas, Inc.
5500 Upriver Road
Corpus Christi, Texas 78407
EPA Id. No. : TXD 008117186
Frequency of shipments: 3 months or 90 days

9. Letter from EQB dated March 29, 1991 in which the Closure Certification is approved. See Attachment No. 2.

10. Copy of Hazardous Waste Storage Log enclosed. See Attachment No.3

11. Copies of Hazardous Waste Storage Log and 2 Manifests enclosed. See attachments No. 4, 4a, 4b.

12. Certified sworn statement from Company Representative enclosed. See Attachment No. 5.

13. Copy of revised Notification of Hazardous Waste Activity enclosed. See attachment No. 6.

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

ELECTROPLATING CHEMICALS

PRODUCTS NAME
1. Sodium Hydroxide
3. Muriatic Acid
4. Sodium Meta Bisulfite
5. Quatrasid
6. Z-242
7. Bright Dip S
8. Macro Color 153
9. Macro Polish 5F
10. Chromate 170-S
11. Alkalox 89
12. Zinc Chloride
13. Potassium Chloride
14. Boric Acid
15. Ecolasid 355
16. Ecolasid 356
17. Zinc Anode
18. Nickel Sulfate
19. Nickel Chloride
20. Nickel Anode
21. Nickel Brightener 8152
22. Nickel Brightener # 14
23. Nickel Brightener # 33
24. Nickel Brightener # 12A
25. Nickel Purifier
26. Stannous Sulfate
27. MT 444
28. Kolene 6-2-3
29. Tin Anode
30. Copper Sulfate
31. Copper Anode
32. Cumac F
33. Cumac F-Mt
34. Protective oil
35. Carbon Activado
36. XL-309
37. L-326
38. Metex Poly Precipitator
39. Aluminum Sulfate
40. Calcium Chloride
41. Oil # 10
42. Nickel Carbonate
43. 800-X
44. Magnus Spray No. 205
45. Nitric Acid
46. Ammonium Hydroxide
47. Rodip CZ-15
48. Electroless Nickel 1014A
49. " " " B
50. " " " C
51.
52.

" ATTACHMENT NO. 1 "

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental Quality Board

March 29, 1991

"ATTACHMENT NO. 2 "

Mr. Stephen Brown
Caribe General Electric Products, Inc.
(CGEPI)
Carrión Maduro Final P.O. Box 741
Juana Díaz, Puerto Rico 00665

RE: Closure Certification
Approval
Hazardous Wastes Containers
Storage Area (HWCSA)
PRD090282757

Dear Mr. Brown:

The Environmental Quality Board (EQB) Permits and Engineering Section has evaluated the closure certification report submitted by your company for the hazardous waste containers storage area in Juana Díaz, Puerto Rico.

As a result of said evaluation and with the concurrence of USEPA Region II, we found the submitted report acceptable.

Through this letter we are communicating your company the approval of the closure plan activities performed at your Juana Díaz facility on the HWCSA.

We recommend your company the lining of the container storage area before any further use and the filling with appropriate material of the three collection pits.

Attached you will find a list of the information we need to evaluate in order to declassify your company present TSD status.

If you have any questions or comments in regard to this matter, please feel free to contact Mr. Edwin Cabrera of my staff at (809) 767-8181 ext. 2530 or 766-2817.

Cordially,

Flor L. del Valle
Director
Land Pollution Control Area

EC/eas

Enclosure

"ATTACHMENT NO. 3 "

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

HAZARDOUS WASTE STORAGE LOG

Material: ELECTROPLATING SLUDGE

D.O.T. DESCRIPTION: HAZARDOUS WASTE, SOLID, N.O.S., ORM-E, NA9189, RQ, (F006)

Storage Area: TEMPORARY HAZARDOUS WASTE STORAGE SHACK

QTY & CONTAINER	DATE IN TEMPORARY STORAGE	DATE IN OLD STORAGE	DATE OUT	MANIFEST NO.
877 LBS. / BAG	01-25-91	--------	04-23-91	91003
886 LBS. / BAG	02-11-91	--------	04-23-91	91003
1159LBS. / BAG	03-03-91	--------	04-23-91	91003
1092LBS. / BAG	04-08-91	--------	04-23-91	91003
1100LBS. / BAG	04-23-91	--------	04-23-91	91003

"ATTACHMENT NO. 4 "

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

HAZARDOUS WASTE STORAGE LOG

Material: ELECTROPLATING SLUDGE

D.O.T. DESCRIPTION: HAZARDOUS WASTE, SOLID, N.O.S., ORM-E, NA9189, RQ, (F006)

Storage Area: TEMPORARY HAZARDOUS WASTE STORAGE SHACK

QTY & CONTAINER	DATE IN TEMPORARY STORAGE	DATE IN OLD STORAGE	DATE OUT	MANIFEST NO.
877 LBS./ BAG	01-25-91	--------	04-23-91	91003
886 LBS./ BAG	02-11-91	--------	04-23-91	91003
1159LBS./ BAG	03-03-91	--------	04-23-91	91003
1092LBS./ BAG	04-08-91	--------	04-23-91	91003
1100LBS./ BAG	04-23-91	--------	04-23-91	91003

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved, OMB No. 2050-0039, expires 09-30-91

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. P R D 0 9 0 2 8 2 7 5 7	Manifest Document No. 9 1 0 0 3	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address c/o STEPHEN BROWN
CARIBE GE PRODUCTS, INC., JUANA DIAZ PLANT
CALLE CARRION MADURO, KM 67.2, JUANA DIAZ, PR 00665

4. Generator's Phone (809) 837-2500

5. Transporter 1 Company Name	6. US EPA ID Number
HECTOR GARCIA TRANSPORT	P R D 9 8 2 1 8 3 2 7 9
7. Transporter 2 Company Name	8. US EPA ID Number
PUERTO RICO MARINE MANAGEMENT	P R D 0 0 0 7 2 6 8 1 0
9. Designated Facility Name and Site Address ENCYCLE 5500 UP RIVER RD. CORPUS CHRISTI, TEXAS 78407	10. US EPA ID Number T X D 0 0 8 1 1 7 1 8 6

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
X	a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., ORM-E, NA9189 (F006), (Zinc, Chromium, Copper & Nickel)	5	B A	2 2 3 2	M
	b. Hydroxide)				
	c.				
	d.				

[redacted] ZINC & Chromium [redacted]

15. Special Handling Instructions and Additional Information
24 HR EMERGENCY RESPONSE NO. 137-800-826-0518.. W.O.# 16163 A. 18705
a GUIDE 31 Trailer #PRMU600550

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Stephen Brown	Stephen Brown	0 4 2 3 9 1

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Felix Serrano	Felix Serrano	0 4 2 3 9 1

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

GENERATOR
TRANSPORTER
FACILITY

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)* Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST
(Continuation Sheet)

21. Generator's US EPA ID No. [illegible]

Manifest Document No. [illegible]

23. Generator's Name [illegible]
[illegible]
CALLE CARMEN [illegible], KM 67.2, [illegible], PR [illegible]

24. Transporter 3 Company Name [illegible]

25. US EPA ID Number [illegible]

26. Transporter 3 Company Name [illegible]

27. US EPA ID Number [illegible]

28. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	29. Containers No.	Type	30. Total Quantity	31. Unit Wt/Vol	[illegible]
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					

S. Additional Descriptions for Materials Listed Above

T. Handling Codes for Wastes Listed Above
T23/T52/T50/T[illegible]

32. Special Handling Instructions and Additional Information
CONTINUATION SHEET ONLY TO ACCOMODATE TRANSPORTERS 3 & 4. M.O.# [illegible]

33. Transporter 3 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

34. Transporter 4 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

35. Discrepancy Indication Space

GENERATOR

TRANSPORTER

FACILITY

EPA Form 8700-22 (Rev. 9-88) Previous edition is obsolete.

ENCYCLE/TEXAS, INC.
PO. BOX 4767 • CORPUS CHRISTI, TEXAS 78468 • (512) 339-0300

LAND DISPOSAL RESTRICTION NOTIFICATION

GENERATOR NAME: CARIBE GE JUANA DIAZ

GENERATOR ADDRESS: PO. BOX 1430
CITY/STATE/ZIP: JUANA DIAZ PR 00665

STATE MANIFEST DOCUMENT NUMBER: Nº 00371708

E/TI HAZARDOUS WASTE PROFILE NUMBER: 1489-90

EPA HAZARDOUS WASTE NUMBER: F006

This form is submitted in accordance with regulations published by the USEPA in 40 CFR Part 268, which governs the land disposal of certain wastes. The hazardous waste identified above is one of the "restricted" wastes identified in 40 CFR Part 268, and must be treated prior to land disposal. In accordance with the recordkeeping requirements specified by 40 CFR Part 268.7, I have marked the appropriate box below which indicates how my waste must be managed to conform to the land disposal regulations. By marking the appropriate box and signing this form, I am making the required certification as shown.

WASTE ANALYSIS DATA ATTACHED: [ ] YES [ ] NO

UNRESTRICTED WASTE

(1) [ ] The waste identified above is non-hazardous or currently not restricted by the USEPA according to 40 CFR Part 268, sections 268.30, 268.31, and 268.32.

RESTRICTED WASTE REQUIRES TREATMENT

(2) [X] The untreated waste identified above must be treated to the appropriate treatment standard set forth in 40 CFR Part 268 Subpart D, or, where no treatment standard exists for the "California List" waste, the waste must be treated to the levels specified under 40 CFR 268.32 prior to land disposal.

RESTRICTED WASTE MEETS TREATMENT STANDARDS

(3) [ ] The untreated waste identified above has been tested and found to meet the applicable treatment standards set forth in 40 CFR 268.32. "I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification: that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

RESTRICTED WASTE MEETS TREATMENT STANDARDS (Continued)

(4) [ ] The waste identified above has been treated in compliance with the applicable performance standards specified in 40 CFR Part 268 Subpart D and/or the applicable prohibitions set forth in 40 CFR 268.32. "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

RESTRICTED WASTE SUBJECT TO VARIANCE

(5) [ ] The waste identified above is subject to a case-by-case extension under 40 CFR 268.5, a no-migration petition under CFR 40 268.6, a nationwide variance under Subpart C, or is soil or debris generated from a response action taken under CERCLA or corrective action taken under RCRA.

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED HEREIN AND IN ALL ASSOCIATED DOCUMENTS IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND INFORMATION.

SIGNATURE	TITLE	DATE
[signature]	Env. Coordinator	4-23-91

GE Lighting

Devices
Caribe General Electric Products, Inc.

CERTIFICATION

I certify that I have personally examined and I am familiar with the information submitted in this request, and that, based on my inquiry of those persons immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

Jerry Purdy	
NAME	SIGNATURE
Plant Manager	5/7/91
TITLE	DATE

Form Approved OMB No 2050-0028 Expires 7-30-88
GSA No [illegible] EPA-OT

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Please refer to the Instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

For Official Use Only

Comments

C
C

Installation's EPA ID Number	Approved	Date Received (yr. mo. day)
C F T/A C 1		

I. Name of Installation

CARIBE G.E. PRODUCTS, INC.

II. Installation Mailing Address

Street or P.O. Box

C 3 P.O. BOX 1430

City or Town	State	ZIP Code
C 4 JUANA DIAZ	PR	00665

III. Location of Installation

Street or Route Number

C 5 CALLE CARRION MADURO

City or Town	State	ZIP Code
C 6 JUANA DIAZ	PR	00665

IV. Installation Contact

Name and Title (last, first, and job title)	Phone Number (area code and number)
C 2 MARQUES J-ENV. COORD	809 837 2500

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership (enter code)
C 8 GENERAL ELECTRIC CO.	

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- ☐ 1a. Generator
- ☒ 1b. Less than 1,000 kg/mo.
- ☐ 2. Transporter
- ☐ 3. Treater/Storer/Disposer
- ☐ 4. Underground Injection
- ☐ 5. Market or Burn Hazardous Waste Fuel *(enter 'X' and mark appropriate boxes below)*
  - ☐ a. Generator Marketing to Burner
  - ☐ b. Other Marketer
  - ☐ c. Burner

B. Used Oil Fuel Activities

- ☐ 6. Off-Specification Used Oil Fuel *(enter 'X' and mark appropriate boxes below)*
  - ☐ a. Generator Marketing to Burner
  - ☐ b. Other Marketer
  - ☐ c. Burner
- ☐ 7. Specification Used Oil Fuel Marketer *(or On site Burner)* Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device *(enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)*

☐ A. Utility Boiler ☐ B. Industrial Boiler ☐ C. Industrial Furnace

VIII. Mode of Transportation *(transporters only — enter 'X' in the appropriate box(es)*

☐ A. Air ☐ B. Rail ☐ C. Highway ☐ D. Water ☐ E. Other *(specify)*

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

☐ A. First Notification ☒ B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number

PRD 090282 75

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD
P.O. Box 11488, Santurce, Puerto Rico 00910

Environmental Quality Board

1

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: P R D 0 9 0 2 8 2 7 5 7
Manifest Document No.: 9 1 0 1 0 1 1 4
2. Page 1 of 3
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
General Electric Company (GE)
P.O. Box AE, Juana Diaz, Puerto Rico 00665
4. Generator's Phone 809 837-2500

A. State Manifest Document Number
B. State Generator's ID

5. Transporter 1 Company Name: Juan E. Hernandez, Inc. (HERNANDEZ)
6. US EPA ID Number: P R D 0 9 0 2 2 0 7 3 2
C. State Transporter's ID
D. Transporter's Phone 809/881-1266

7. Transporter 2 Company Name: Trailer Marine Transport (TMT)
8. US EPA ID Number: P R D 0 9 0 5 5 9 3 6 0
E. State Transporter's ID
F. Transporter's Phone 809/721-1313

9. Designated Facility Name and Site Address
World Resources Company (Recycling Facility) (WRC)
8113 West Sherman
Phoenix, AZ 85043
10. US EPA ID Number: A Z D 9 8 0 7 3 5 5 0 0
G. State Facility's ID
H. Facility's Phone 602/233-9174

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a. RQ, Hazardous Waste, Solid, N.O.S., ORM-E, N.A.-9189 (F006)	3	BA	1.59	M	F006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Metal Hydroxide Electroplating Sludge

K. Handling Codes for Wastes Listed Above
T23/T59/T50/T18-Drying

15. Special Handling Instructions and Additional Information

Public reporting burden for this collection of information is estimated to average: 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment, storage and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden, to: Chief, Information Policy Branch PM-223, U.S. Environmental Protection Agency, 401 M Street SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GE REPRESENTATIVE/ Stephen Brown
Signature: Stephen Brown
Month Day Year: 1 2 2 1 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HERNANDEZ REPRESENTATIVE/ G. Hernandez
Signature: G. Hernandez
Month Day Year: 1 2 2 1 9

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: TMT REPRESENTATIVE/ Jose Rodes
Signature: Jose Rodes
Month Day Year: 1 1 9

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: WRC REPRESENTATIVE/ Robert A. Mullen
Signature: Jerome Bellamy Jr.
Month Day Year:

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST
(Continuation Sheet)

21. Generator's US EPA ID No.: PRD090282757
Manifest Document No.: 90014
22. Page: 2 of 3

Information in the shaded areas is not required by Federal law.

23. Generator's Name
General Electric Company (GE)
P.O. Box AE, Juana Diaz, Puerto Rico 00665
809/ 837-2500

L. State Manifest Document Number

M. State Generator's ID

24. Transporter 3 Company Name: Port Serv Transportation (PORT SERV)
25. US EPA ID Number: LAD981609530
N. State Transporter's ID
O. Transporter's Phone: 318/494-0263

26. Transporter 4 Company Name: Southern Pacific Transportation (SP)
27. US EPA ID Number: CAD006913202
P. State Transporter's ID
Q. Transporter's Phone: 318/433-0611

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	29. Containers No.	Type	30. Total Quantity	31. Unit Wt./Vol.	P. Waste No.
a. RQ, Hazardous Waste, Solid, N.O.S., ORM-E, N.A.-9189 (F006)	3	BA	1.59	M	F006
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					

GENERATOR

S. Additional Descriptions for Materials Listed Above
Metal Hydroxide Electroplating Sludge

T. Handling Codes for Wastes Listed Above
T23/T59/T50/T18-Drying

32. Special Handling Instructions and Additional Information: Trailer #

TRANSPORTER

33. Transporter 3 Acknowledgement of Receipt of Materials
Printed/Typed Name: PORT SERV REPRESENTATIVE/ ISAAC HARRIS
Signature: Isaac Harris
Date: Month Day Year

34. Transporter 4 Acknowledgement of Receipt of Materials
Printed/Typed Name: SP REPRESENTATIVE/
Signature: J Bond/RR
Date: 02 07 9[illegible]

FACILITY

35. Discrepancy Indication Space
33. NO DATE

EPA Form 8700-22A Rev. (9-88) Previous edition is obsolete

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST
(Continuation Sheet)

21. Generator's US EPA ID No.: P R D 0 9 0 2 8 2 7 5 7

Manifest Document No.: 9 0 0 1 4

22. Page: 3 of 3

Information in the shaded areas is not required by Federal law.

23. Generator's Name
General Electric Company (GE)
P.O. Box AE, Juana Diaz, Puerto Rico 00665
809/ 837-2500

L. State Manifest Document Number

M. State Generator's ID

24. Transporter 5 Company Name: Monty's Trucking (MONTY'S)

25. US EPA ID Number: A Z D 9 8 0 8 9 2 0 2 0

N. State Transporter's ID

O. Transporter's Phone: 602/384-3276

26. Transporter ____ Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29. Containers No.	Type	30. Total Quantity	31. Unit Wt./Vol.	R. Waste No.
a. RQ, Hazardous Waste, Solid, N.O.S., ORM-E, N.A.-9189 (F006)	3	B A	1 .. 5 9	M	F 0 0 6
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					

GENERATOR

S. Additional Descriptions for Materials Listed Above
Metal Hydroxide Electroplating Sludge

T. Handling Codes for Wastes Listed Above
T23/T59/T50/T18-Drying

32. Special Handling Instructions and Additional Information Trailer #
TMT Trailer #

TRANSPORTER

33. Transporter 5 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: MONTY'S REPRESENTATIVE/ Monty Jones — Signature: Monty Jones — 02 07 91

34. Transporter ____ Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature

FACILITY

35. Discrepancy Indication Space

EPA Form 8700-22A (Rev. 9-88) Previous edition is obsolete.

POTENTIAL HAZARDS

FIRE OR EXPLOSION

Some of these materials may burn, but none of them ignites readily.

HEALTH HAZARDS

Contact may cause burns to skin and eyes.
Fire may produce irritating or poisonous gases.
Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.
Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.
CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.
If water pollution occurs, notify the appropriate authorities.

FIRE

Small Fires: Dry chemical, CO_2, water spray or regular foam.
Large Fires: Water spray, fog or regular foam.
Move container from fire area if you can do it without risk.
Do not scatter spilled material with high-pressure water streams.
Dike fire-control water for later disposal.

SPILL OR LEAK

Stop leak if you can do it without risk.
Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.
Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.
Large Spills: Dike far ahead of liquid spill for later disposal.
Cover powder spill with plastic sheet or tarp to minimize spreading.

FIRST AID

In case of contact with material, immediately flush eyes with running water fo at least 15 minutes. Wash skin with soap and water.
Remove and isolate contaminated clothing and shoes at the site.

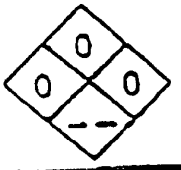
MSDS

Material Safety Data Sheet

Recycler's Facility Name and Site Address:

..orld Resources Company
d/b/a WRC Processing Co. in PA
Walnut Lane, R.D. #3, Box 5553
Pottsville, Pennsylvania 17901
Telephone: 717/622-4747

Issued August 7, 1990



For Emergencies Call:
CHEMTREC
Day or Night
800-424-9300
Outside Continental U.S. Call:
202-483-7616 Collect
All calls are recorded.

MATERIAL IDENTIFICATION

Section 1

Generic Name: Electrocleaning/Metal-Finishing Wastewater Treatment Sludge
Environmental Protection Agency (EPA) Waste Classification: F006
Chemical Family: Metallic (Hydroxide) Precipitates
Synonym: Non-ferrous Metal Hydroxide Filter Cake

Department of Transportation (DOT) Information:
DOT Shipping Name: Hazardous Waste Solid, N.O.S.
DOT Hazard Class: CRM-E
DOT Identification Number: NA-9189

HAZARDOUS INGREDIENTS

Section 2

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology: (rat, oral)
Copper Hydroxide	7440-50-8	5-30	1.0 mg/m³ (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	7440-02-0	2-15	1.0 mg/m³ (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m³ (Dust)	LD-50 7,340 mg/kg
Diatomaceous Earth	68855-54-9	0-10	6.0 mg/m³ (Dust)	LD-50 3,160 mg/kg

PHYSICAL AND REACTIVITY DATA

Section 3

Description: Solid, Clay-like Clumps.
Gray/Green to Brown.
Water Content 50-80%.
Specific Gravity: 1 to 1.4
Solubility: Insoluble in water

Density: 64 to 90 lbs/cu ft
Incompatible Reactivity: None Known
Vapor Pressure: Insignificant
Stability: Avoid contact with acids
Polymerization: Will not occur

Boiling Point: Above 2600°C
Melting Point: Above 1800°C
pH: 7.0 to 10.0
Odor: Nil

FIRE AND EXPLOSION DATA

Section 4

Flashpoint: Nonflammable
Special Firefighting Procedures: None

Oxidation: Non-oxidizing
Explosive: Non-explosive

Product Decomposition Due to Fire or Explosion: None

TOXICITY

Section 5

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

HEALTH EFFECTS AND FIRST AID

Section 6

Inhalation: Dust may irritate mucous memoranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes. If effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, live kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory activities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

PRECAUTIONS FOR SAFE HANDLING

Section 7

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

CONTROL MEASURE

Section 8

Respiratory Protection: NIOSH-MSHA approved respirators as required.
Other Protective Equipment: Coveralls are recommended, but not required.

Eye Protection: Safety Glasses recommended.
Hand Protection: Gloves recommended.

GENERATORS VERIFICATION

Section 9

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes recyclable material listed on the attached Manifest Number: 90014 Telephone: 837-2500 Date: 12-21-90
Company Name and Address: Caribe General Electric Products, Inc. ; Carretera Maduro Km. 57..

GE_CARIBE000188

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
WIRING DEVICES DEPARTMENT
JUANA DIAZ PLANT

October 12, 1994

To : J. Gizienski, E. Jorge, R. Kinzer, T. Harlan, M. Ruiz

From : Luis A. Yordán, EHS Coorinator

Subject: Plating Pit Closure Status

The following information is to be considered ***Privileged & Confidential***. No reproduction of any kind of the material provided should be made without proper authorization.

The following report will be divided into four sections. Section I will include technical information on the dimensions and operational specifications of the plating pit. This information is to be considered as fact. Section II will include a chronological summary of events related to the closure of the pit. The information on these documents should also be considered as fact, although any assumption, opinion or notion generated by the documents should not. Section III includes an assessment of the current status of the closure of the pit. This section is the assessment of one individual and should not be considered as fact. Section IV will include a bare bones proposed action plan.

EQB = Environmental Quaity Board (Junta de Calidad Ambiental)
Caribe GE = Centralized GE "umbrella" that gathers all plants in PR
Settling tank = Plating pit
WWTP = Waste Water Treatment Plant

SECTION I - Specifications & Parameters

Facility Name:	Caribe General Electric Products, Inc.
Location:	Juana Diaz, Puerto Rico
EPA I.D. No.:	PRD090282757
EPA identifier for pit:	SWMU No. 7 (WWT #3)
Operational life:	From 1971 (electroplating start-up) until December 1988.
Average flow of settling tank:	420 gallons/hr.
Capacity:	4,869.32 gallons
Type of tank:	Semi-above ground
Construction:	Reinforced concrete
Size of tank:	Refer to drawing in section IV (DRW-1)

Operation of old WWTP:

Hexvalent chromate would be received from plating at the 125 gal. tank and be treated with sodium metalbisulfite and sulphuric acid (for pH) to reduce it through oxidation to Trivalent chromate. Then, this would go to the 500 gal. tank along with all other metal solutions (zinc, nickel, etc.) to be neutralized by adding caustic soda. The treated wastewater would then go to the sludge settling tank (pit). Inside the tank, it would first pass through two seepage walls with cinder blocks placed sideways as to better settle the precipitated metals. Once the water passed these two walls, it would flow to the open tank area where the remaining metals would settle at the bottom of the tank, and water would overflow at the top into a channel that would then carry the water to the PRASA discharge.

SECTION II - Chronological Summary

DATE	COMMENTS
August 30, 1957	Operations start at Caribe GE Products, Inc. - Juana Diaz
Year 1971	Electroplating operations start at Juana Diaz. Equipment includes Waste Water Treatment Plant which consists of one125 gal. tank for chrome reduction (WWT #1), a 500 gal. tank for neutralization (WWT #2), and a 4,869 gal. (6000 gal.) settling tank (WWT #3).
August 5, 1980	GE Juana Diaz notifies of HazWaste activity.
November 14, 1980	Part A Permit Application submitted.
September 4, 1984	RCRA Inspection. Four violations issued.
April 21, 1987	Part B permit application submission request is sent.
June 25, 1987	Milagros Ruiz (Caribe Ge) receives letter from EQB with required information to be included with the Chemical Analysis Results for a closure plan. Does not specify what is to be closed.
September 1st, 1987	Revised notification of HazWaste activity sent by Heriberto Robles (WDD-JD) to EPA in New York.
October 6, 1987	Revised Part A Permit Application submitted.
May 17, 1988	Closure plan submitted for Container Storage Area (CSA) #1, which was storage area for F006 (chromate) wastes.
August 11, 1988	EQB notifies José Marquez (WDD-JD) of upcoming visit to perform RCRA Facility Investigation in last quarter of 1988. In addition, a questionnaire is sent to be filled and returned.

DATE	COMMENTS
August 17, 1988	J. Marquez returned filled questionnaire to EQB.
September 14, 1988	Juan Colón (WDD-JD) sends settling tank drawings & operational specifications to EQB. Also clarifies misclassification in Part A Permit regarding use of settling tank. What is the classification?
December, 1988	Completeness Determination of Closure Plan is issued. EQB issues RCRA Facility Assessment Report. Settling tank is listed as having a low release potential to soil due to soil's low permeability. It also indicates that a procedure for decontamination should be developed. In addition, JD's old Waste Water Tretement Plant (including settling tank) is placed out of service as the new one becomes operational.
January 25, 1989	Sludge from old WWTP is transferred to new WWTP.
June 12, 1989	Last 3 ft. of sludge in "last wall" are removed.
August 10, 1989	M. Ruiz sends Jerry Purdy (WDD-JD) a fax from Bob Ehrhardt (CEP) notifing efforts on obtaining information on leak testing for concrete tank (F006).
September 8, 1989	Wash walls of holding tank.
Sept. 25 through Oct. 10, 1989	Integrity tests of sludge holding tank are performed.
November 1st., 1989	Don Stoskopf (WDD-WK) forwards to J. Purdy an invitation sent to Law Environmental to bid a proposal for environmental engineering services. Invitation is extended by Arthur Kaplan (GEL). D. Stoskopf states that Law Environmental will be doing the actual work.
November 14, 1989	Gilberto Rivera (Law Environmental) notifies Eugenio Asencio (Law Env.) what the sampling locations for borings are to be.
November 17, 1989	Law Environmental performs boring for samples.
December 12, 1989	J. Colón sends copy of information on settling tank specs. previously sent to EQB to EPA.
January 18, 1990	J. Colón sends copy of the RCRA Facility Assessment Report to M. Ruiz.
November 12, 1990	Stephen Brown (WDD-JD) faxes copy of draft closure plan made by Terra Vac to M. Ruiz.

DATE	COMMENTS
April 8, 1991	REMAC Caribe quotes the decommissioning and subsurface evaluation. Proposal # is 917002 and does not include disposal of well development water and tank bottoms sludge and debris. Quote total is $67,385.57.
May 22, 1991	J. Marquez makes a memo for the record stating that D. Stoskopf sent JD a set of prints and other information related to the construction and operation of the plating facility.
May 30, 1991	J. Marquez requests from REMAC a requote on the proposal to exclude personnel & materials and miscellaneous supplies. Quote is renamed 917002A for a total of $34,331.01.
June 12, 1991	J. Marquez faxes Terra Vac dimension drawings of settling tank.
September 10, 1991	REMAC sends Antonio Medina (WDD-JD) a revised copy of proposal 917002A for $34,331.01 including previously excluded items.
September 11, 1991	Terra Vac faxes A. Medina a quote for settling tank clousre. Total cost is $35,850.
November 12, 1991	A. Medina faxes revised closure plan to Terra Vac & REMAC for quotation.
November 27, 1991	A. Medina receives quote from REMAC (ECWS) for the disposition of drums with paint & solutions for $6,326.32. Proposal number is 9111066.
December 3, 1991	A. Medina faxes REMAC settling tank drawings with dimensions.
December 10, 1991	Terra Vac sends proposal # 11-1149. Total is $48,600 and excludes disposal of soil, sludge, concrete or water generated.
December 13, 1991	REMAC sends proposal # 917004. Total for work is $32,001.56. Total estimate for disposal of hazmats is $33,621.00.
January 21, 1992	I&E plan for 1992 shows $40,000 (expense) as "Clean & Inspect Sludge Tank". It is listed under "Un-funded Key Programs".
February 14, 1992	D. Stoskopf faxes A. Medina project description for phase I to de-activate or remove concrete settling tank. Suggests soil tests around tank for leak possibility. If testing indicates contamination, funds would come at a second phase. Included is an AR prepared by A. Medina.

DATE	COMMENTS
March 27, 1992	D. Stoskopf faxes A. Medina results from Law Environmental obtained from testing the samples.
April 13, 1992	D. T. Grube (GEL) inform R. Cotman, E. Post, D. Correia, A. Kaplan and E. Price of the RCRA Facility Assessment performed in 1988. He refers to the report as a "draft" report, and proceeds to explain that the EPA has to establish appropriate cleanup standards, since this will have a direct effect on the scope of the cleanup. He recommends to "sit tight" for a formal response from the EPA or EQB.
April 27, 1992	D. Stoskopf forwards Grube's letter to J. Purdy and Daryl (Balchan?) indicating that until M. Ruiz or R. Cotman's organization say differently, the closure of the settling tank (pit) is in a hold pattern. J. Purdy notifies Steve Brewer (WDD-WK) of hold status for pit.
February, 1994	Settling tank was inspected for upcoming visit by R. Cotman. Water was found inside of the tank. It was pumped out and processed through the new WWTP.
March, 1994 --> present	Weekly visual inspections are carried out to insure settling tank empty.

SECTION III - Assessment of current status

EPA / EQB have all the information generated up to 1988 of the old WWTP including dimensions, operation procedures, specifications and type of waste generated (sludge F006). EPA / EQB also have information (as stated in page 14, item b of the RFA report) that GE-JD where to stop operating the old WWTP on December of 1988. In this report, the EQB suggests as further action that a procedure for decontamination should be developed. Even though documents outlining three distinct closure plans exist, no documetation has been found to indicate that either of them were submitted to the EQB as required. With this in mind, the recomendation to put this project on hold would seem premature, because if EQB did not have a proposed plan to revise as they requested, they would not have reason to "get back to us". On the other hand, the logic for the recomendation was correct; no physical work should be done until EQB approves a closure plan in order to assure not spending more money than the necessary to be in compliance. It is not known why the EQB has not taken action on this subject.

In 1989, all remaining sludge from the settling tank (including sludge at the seepage walls) was removed and processed through the new WWTP facility. This

would indicate that the pit is "empty" but not "environmentally clean". In addition the tank used for the reduction of chrome was washed. This tank was later used at the new WWTP as part of the chrome treatment system.

EPA usually allows a one year time period once a company determines that a facility will not be used further to remove the facility or perform an EPA-approved closure. This time period has been exceeded for the settling tank. It is not known why the EQB has not taken action on this subject. Nevertheless, it has not expired for the removal of the concrete floor of the closed plating facilities. This is why these two projects have been bundled together in the 1995 I&E plan, which has $115,000 expense money for these items.

Our course of action should be as follows: First, a closure plan proposal should be generated by GEWD - JD with support from GEWD - WK and GEL. Second, the action plan should be submitted to the EQB for approval. This will generate modifications to the plan with several revisions. Third, after approval of the closure plan by the EQB, quotes should be obtained. The fourth step would be the actual remediation work and the last step should be certification of the site.

SECTION IV - Proposed Action Plan

General Provisions:

The closure plan has to be designed to ensure that Caribe GE Products, Inc. - Juana Diaz, will eliminate threats to human health and the environment such as the escape of hazardous constituents, leachate, contaminated runoff and decomposition products to the ground, groundwater system, surface waters or to the atmosphere.

The implementation of said plan will close the tank in a manner that will eliminate the need for further maintenance and monitoring controls, minimizing disruptions to the day to day operations.

Any contractor hired for this project will comply with all existing environmental, health and safety regulations of Caribe GE Products Inc. - Juana Diaz; including, but not limited to, EHS Plant Procedures.

Phase 0: Planning

0.1 Obtain approval of proposed closure plan from EQB.
0.2 Submit permit requisitions to EQB if applicable.
0.3 Include & approve closure & plating floor decon in 1995 I&E plan.
0.4 Obtain quotes to permorm remediation work.

Phase I: Sampling of settling tank concrete ceiling

1.1 Samples of the inner surface of the settling tank will be taken and analized to determine if contamination is present. This is necessary since it would not be correct to

assume that water level inside the tank never rose to a level were it would have direct contact with the ceiling.

1.2 If the ceiling is determined not to be contaminated, it can be removed without cleaning and disposed of as non-hazardous waste at a landfill. If the ceiling is determined to be contaminated, it would have to undergo the same cleaning procedures as the walls and the floor, and would not beremoved until after it has been cleaned. This would imply that during the cleaning operations the tank would be treated as a confined space area, incurring in further costs for the cleaning phase.

This phase will not be needed if it is determined that GE Juana Diaz is not interested in removing the complete tank ceiling. The main driver for this decision would be the cost.

Phase II: Cleaning and decontamination of settling tank and plating floor

2.1 Three divided zones would have to be established and labeled. Contaminated, Personal Decontamination and Clean Zones.

2.2 (a) If tank ceiling is to remain in place, an additional aperture through the ceiling would be drilled. This will provide better ventialtion plus better access to remove waste & debris.

2.2 (b) If tank ceiling is not to remain in place and samples show ceiling to be non-hazardous, bottom of tank would be insulated as to capture all debris from the demolition of the ceiling. This debris would be disposed of at a lanfill.

2.3 Demolish seeping walls inside tank and store for disposition as hazwaste.

2.4 Wash plating floor, tank floor, tank walls & tank ceiling (if hazardous) with mild chemical solution. Collect all cleaning water and solid debris for disposition.

2.5 Wash plating floor, tank floor, tank walls & tank ceiling (if hazardous) with industrial cleaner. Collect all cleaning water and solid debris for disposition.

2.6 Triple rinse plating and tank floors. Collect all cleaning water and solid debris for disposition.

2.7 Analize wash waters to determine if disposition should be as hazardous or as non-hazardous waste.

2.8 Collect all cleaning materials & personal protection equipment (PPE) to be disposed as hazwaste.

Phase III: Sampling

3.1 Samples would be taken of plating floor, tank floor, tank walls and tank ceiling (if hazardous) to verify contaminat levels.

3.2 (a) If results show no contamination, phase III (and the overall cleaning process) would be completed.

3.2 (b) If results show contamination present at concrete slab, a 2' by 2' pad would be removed at that particular sample area to sample the soil underneath. Additional boring sites will be coordinated by a GE rep. and contractor to "map out" the extent of the contamination. At this time a new action plan for remedial work would have to be developed. For the plating floor, the test results would indicate how much of the floor would have to be removed and disposed of as hazwaste. If contamination is superficial, two inches are recommended.

Phase IV: Backfilling and / or demolition of tank

4.1 (a) If tank is found not to be contaminated, it will be backfilled with known clean materials such as dirt, sand and/or concrete.

4.1 (b) If tank is found to be contaminated, it will be demolished & disposed of as hazwaste as per local & federal regulations.

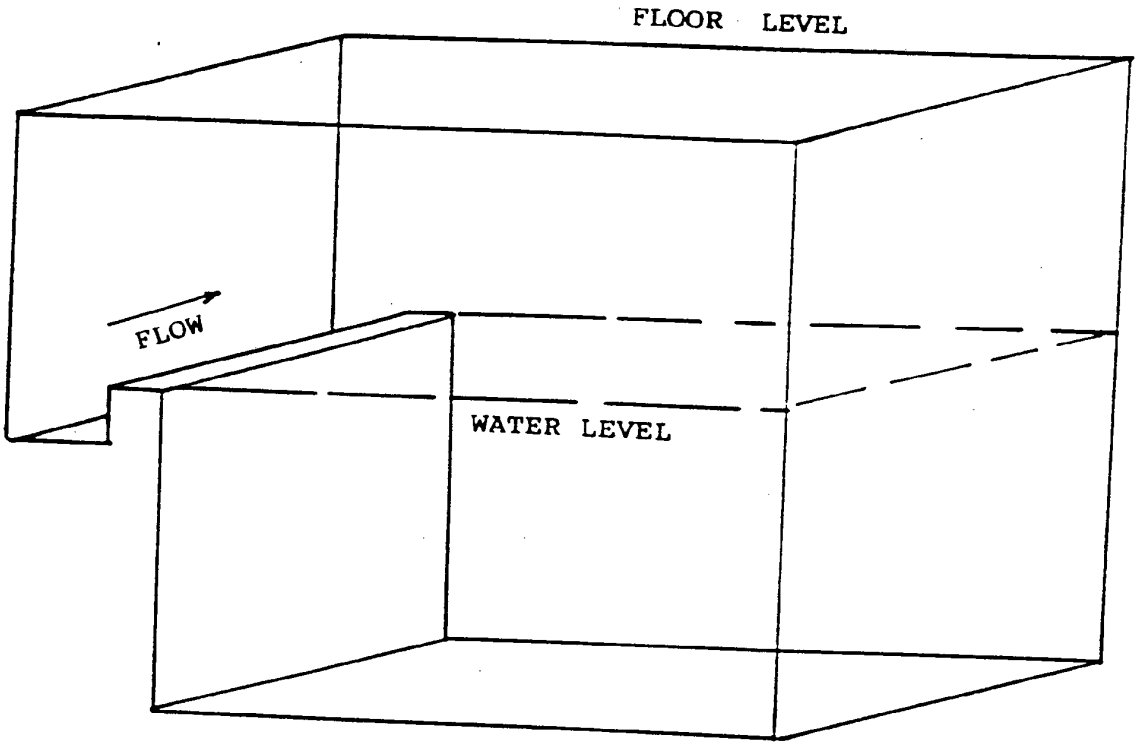
Phase V: Certification

GE

5.1 All areas will be certified as environmentally clean by the EQB through the contractor once work has been finished and if there has been no leakage of contamination to the soil.

GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SEDIMENTATION TANK



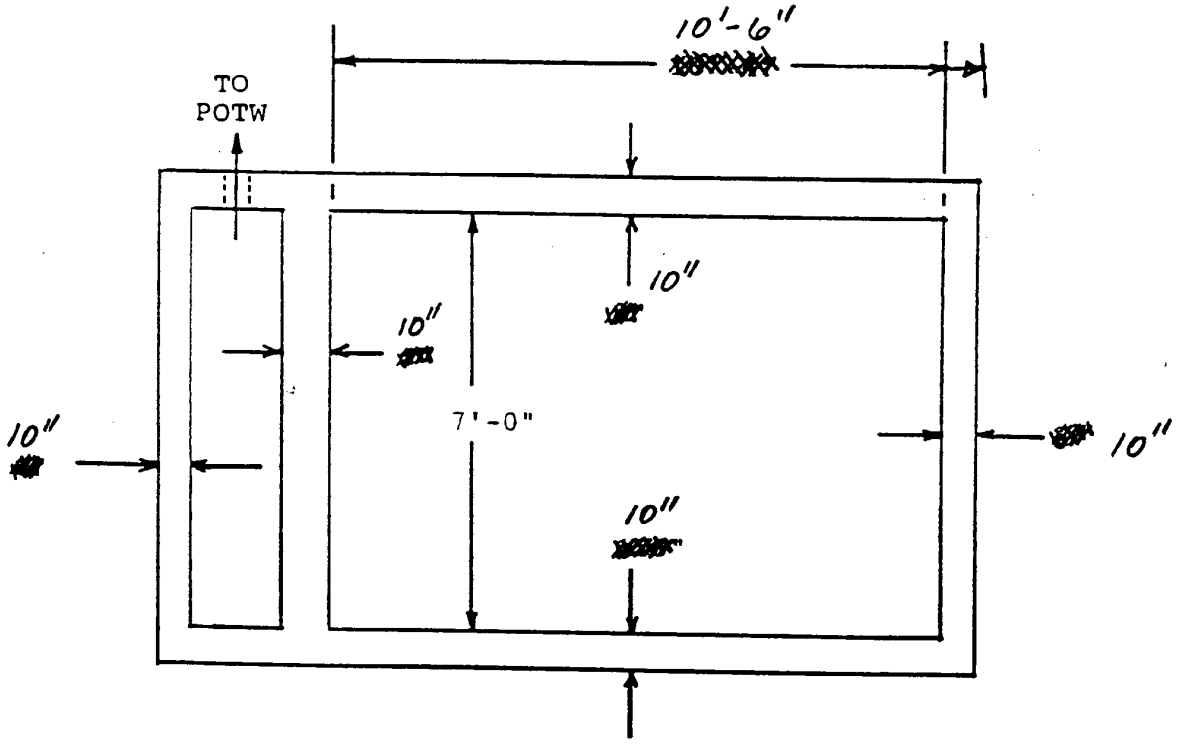
TANK MADE OF REINFORCED CONCRETE

SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SETTLING TANK

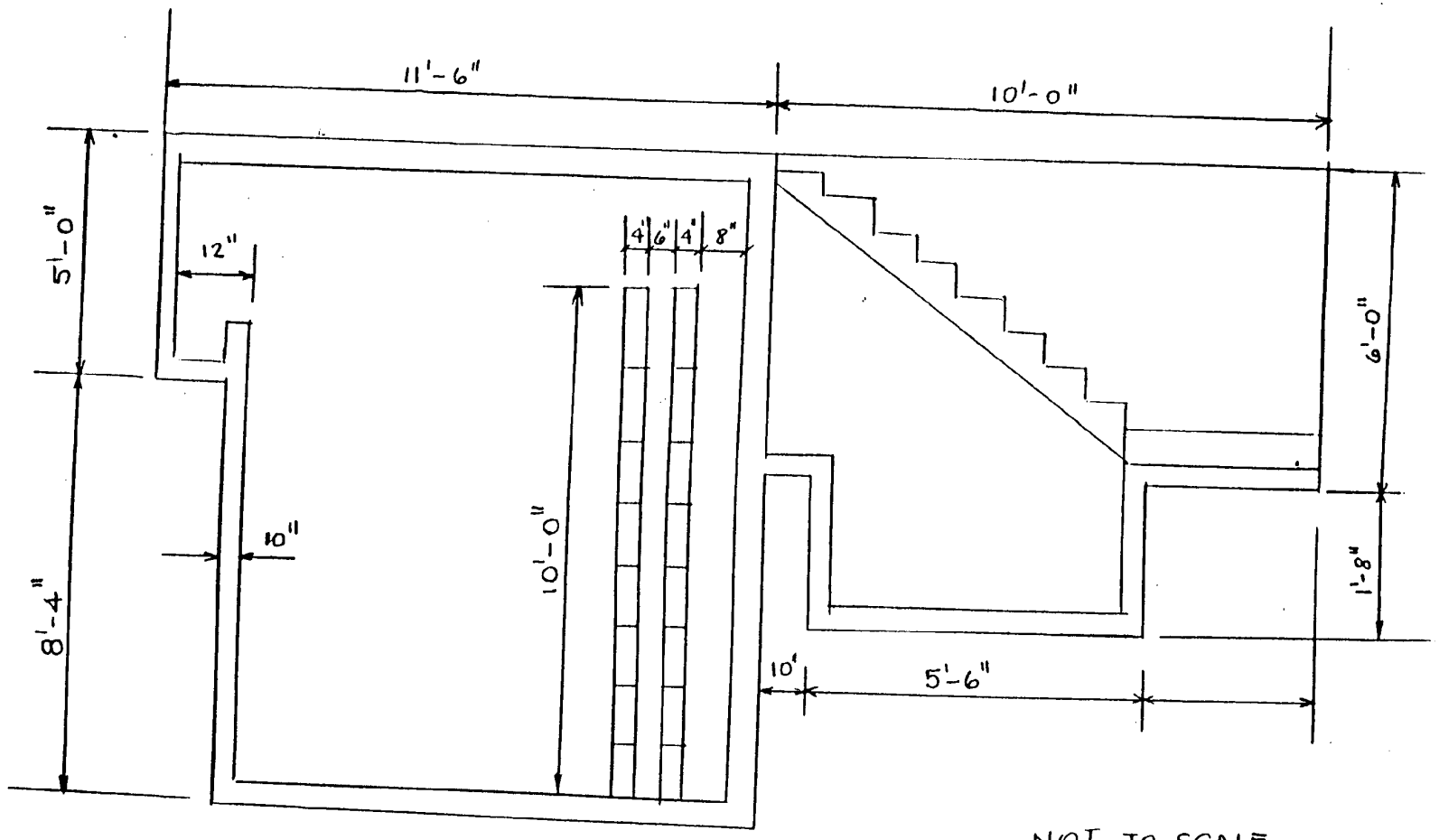
TOP VIEW



CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

SETTLING TANK

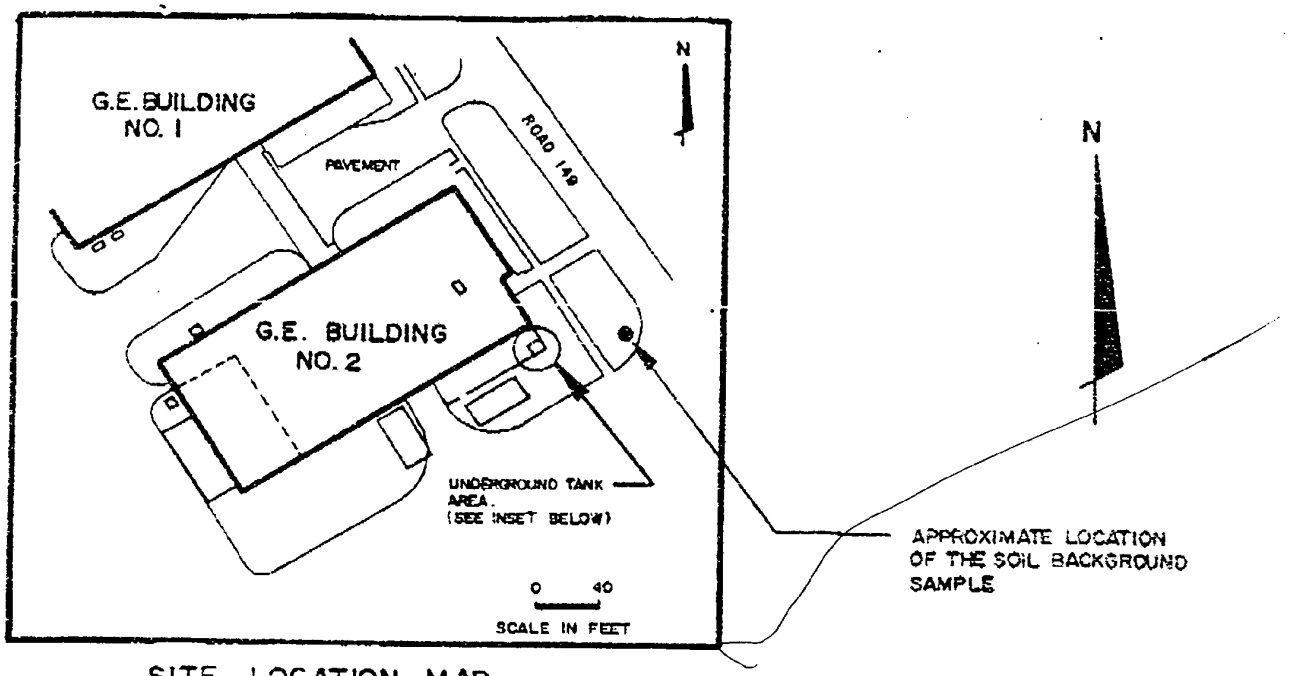
SIDE VIEW



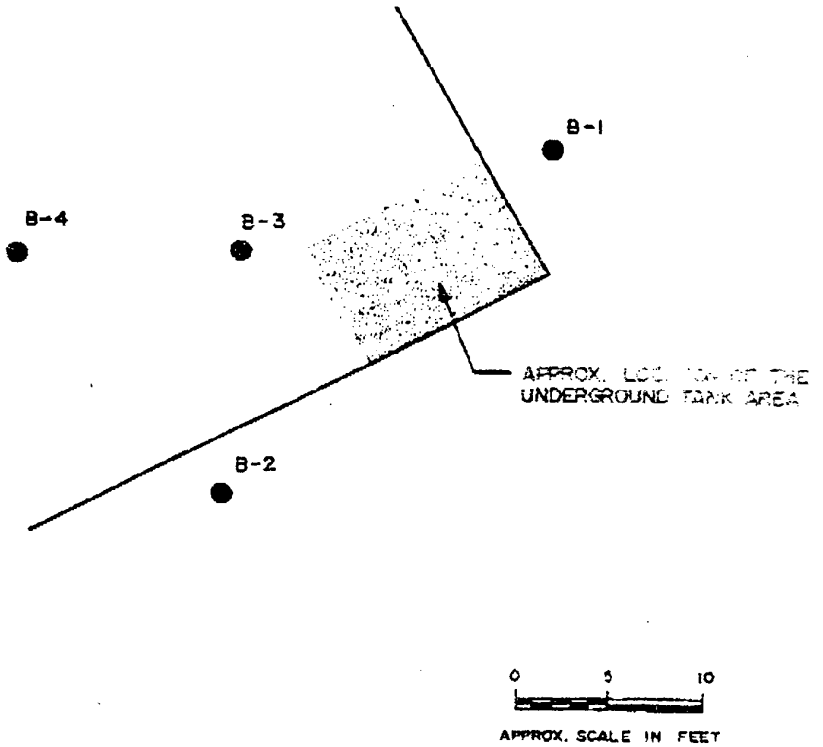
NOT TO SCALE

THIS INFORMATION COPIED FROM PRINTS RECEIVED FROM WARWICK ON 9/14/90

J. Marques
5-22-91



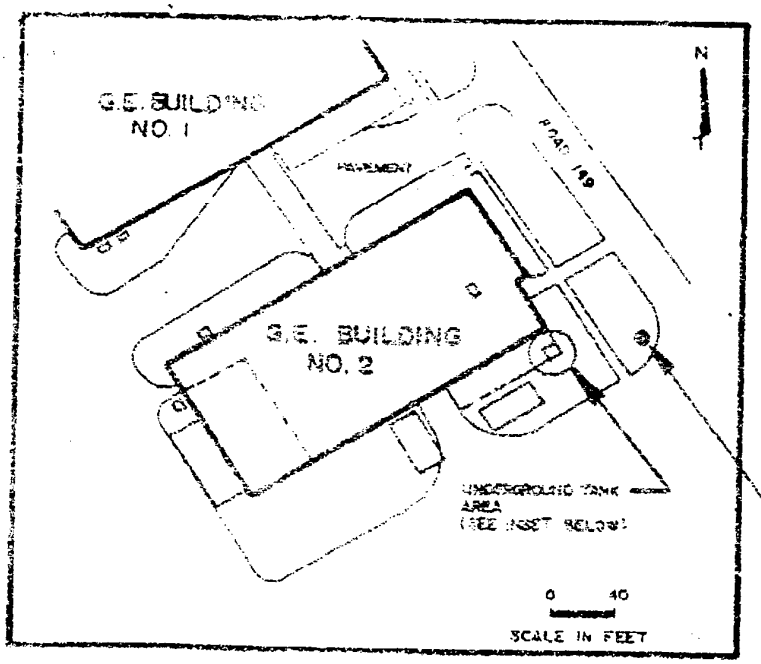
SITE LOCATION MAP



CARIBE GENERAL ELECTRIC PRODUCTS, INC. JUANA DIAZ, PUERTO RICO	LAW ENVIRONMENTAL INC.	APPROXIMATE LOCATION OF SOIL BORINGS IN UNDERGROUND TANK AREA JOB NO. 41-9634 FIGURE 2

TABLE 1
PARAMETERS FOR SOIL SAMPLE ANALYSES
UNDERGROUND TANK AREA, EAST OF BUILDING 2
GE FACILITIES, JUANA DIAZ, PUERTO RICO

Parameters	EPA Analytical Method
METALS ANALYSIS	
Arsenic	7060
Barium	6010
Cadmium	7130
Chromium	7190
Copper	7210
Lead	7420
Mercury	7471
Nickel	7520
Selenium	7740
Silver	7760
Tin	282.2
Zinc	7950
MISCELLANEOUS PARAMETERS	
pH Analysis	9045
Cyanide	9010



APPROXIMATE LOCATION OF THE SOIL BACKGROUND SAMPLE

TABLE 2
SUMMARY OF LABORATORY TEST RESULTS
SOIL SAMPLES FROM BORING NO. B-1, UNDERGROUND TANK AREA
G.E. FACILITY - JUANA DIAZ, PUERTO RICO

	UNITS	CONSTITUENTS PRESENT ON SAMPLES AT DEPTHS OF (0-1 Foot)	(5-6 Foot)	(10-11 Foot)	(15-16 Foot)	(20-21 Foot)	Background (0.5-1.0 Foot)	
Cyanide	mg/kg	ND	ND	ND	ND	ND	ND	
Ext/Base Neutrals	ug/kg	--	--	--	--	--	--	
Ext/Acid Extracables	ug/kg	--	-	--	--	--	--	
Halogenated Volatile Organics	ug/kg							
1,2 - Dichloropropane		ND	ND	ND	ND	ND	ND	
Methylene Chloride		ND	ND	ND	ND	ND	ND	
1,1,2,2 - Tetrachloroethane		ND	ND	ND	ND	ND	ND	
Tetrachloroethene		ND	ND	ND	ND	ND	ND	
1,1,1 Trichloroethane		3.4	3.4	3.8	3.6	4.3	2.6	
Trichloroethene		ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane		6.1	ND	7.4	ND	11	7.1	
Aromatic Volatile Organics	ug/kg	ND	--	ND	--	--	ND	
Semi-Volatile Organics	ug/kg	ND	--	ND	--	--	ND	
Metals (Total)								
Barium	mg/kg	93	200	120	140	170	100	1.0 mg/L
Chromium		11	10	6	6	6	13	.05 "
Copper		38	42	32	33	30	40	
Mercury		0.3	0.2	ND	ND	ND	ND	0.002 "
Nickel		10	13	12	11	8	17	
Zinc		73	78	60	63	61	73	
Arsenic		1.4	3.4*	0.98	0.58	ND	1.1	0.05 mg/L
Selenium		ND	0.59	ND*	ND*	ND*	ND*	

TABLE 3
SUMMARY OF LABORATORY TEST RESULTS
SOIL SAMPLES FROM BORING NO. B-2, UNDERGROUND TANK AREA
G.E. FACILITY - JUANA DIAZ, PUERTO RICO

	UNITS	CONSTITUENTS PRESENT ON SAMPLES AT DEPTHS OF (0-1 Foot)	(5-6 Foot)	(10-11 Foot)	(15-16 Foot)	(20-21 Foot)	Background (0.5-1.0 Foot)
Cyanide	mg/kg	ND	ND	ND	ND	ND	ND
Ext/Base Neutrals	ug/kg	--	--	--	--	--	--
Ext/Acid Extracables	ug/kg	--	--	--	--	--	--
Halogenated Volatile Organics	ug/kg						
1,2 - Dichloropropane		ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	ND	ND	ND	ND	ND
1,1,2,2 - Tetrachloroethane		ND	ND	ND	ND	ND	ND
Tetrachloroethene		ND	ND	ND	ND	ND	ND
1,1,1 Trichloroethane		3.9	4.4	ND	ND	ND	2.6
Trichloroethene		ND	6.2	7.7	ND	ND	ND
Trichlorofluoromethane		ND	ND	5.6	ND	ND	7.1
Aromatic Volatile Organics	ug/kg	--	ND	ND	ND	--	ND
Semi-Volatile Organics	ug/kg	--	ND	ND	ND	--	ND
Metals (Total)							
Barium	mg/kg	82	200	150	210	180	100
Chromium		15	48	36	5.7	ND	13
Copper		37	150	150	32	34	40
Mercury		0.6	3.0	0.8	ND	0.3	ND
Nickel		220	380	120	7	12	17
Zinc		620	1200	1100	55	72	73
Arsenic		0.63	ND	2.3	1.5	1.4	1.1
Selenium		ND*	ND*	ND	ND*	ND*	ND

*Estimated Value (± 40%): Recovery or precision outside Acceptance Limits - When recovery or precision (relative percent difference) for spikes, duplicates, or check samples remain outside acceptance limits after rechecking and corrective action, results are reported as estimated and flagged with an asterisk.

TABLE 4
SUMMARY OF LABORATORY TEST RESULTS
SOIL SAMPLES FROM BORING NO. B-3, UNDERGROUND TANK AREA
G.E. FACILITY - JUANA DIAZ, PUERTO RICO

	UNITS	CONSTITUENTS PRESENT ON SAMPLES AT DEPTHS OF					
		(5-6 Foot)	(10-11 Foot)	(15-16 Foot)	(20-21 Foot)	(21-26 Foot)	Background (0.5-1.0 Foot)
Cyanide	mg/kg	ND	ND	ND	ND	ND	ND
Ext/Base Neutrals	ug/kg	--	--	--	--	--	--
Ext/Acid Extracables	ug/kg	--	--	--	--	--	--
Halogenated Volatile Organics	ug/kg						
1,2 - Dichloropropane		ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	ND	ND	ND	ND	ND
1,1,2,2 - Tetrachloroethane		ND	ND	ND	ND	ND	ND
Tetrachloroethene		ND	ND	ND	ND	ND	ND
1,1,1 Trichloroethane		ND	8.3	ND	ND	1.9	2.6
Trichloroethene		25	ND	ND	ND	ND	ND
Trichlorofluoromethane		7.5	4.4	ND	4.7	ND	7.1
Aromatic Volatile Organics	ug/kg	ND	--	--	ND	--	ND
Semi-Volatile Organics	ug/kg	ND	--	--	ND	--	ND
Metals (Total)							
Barium	mg/kg	130	120	190	126	170	100
Chromium		11	ND	ND	6	6	13
Copper		32	30	27	26	28	40
Mercury		ND	ND	ND	0.1	ND	ND
Nickel		7	5	7	ND	11	17
Zinc		61	600	49	42	88	73
Arsenic		1.6	1.5	2.1	1.4	1.7	1.1
Selenium		ND	ND	ND	ND	ND	ND

TABLE 5
SUMMARY OF LABORATORY TEST RESULTS
SOIL SAMPLES FROM BORING NO. B-4, UNDERGROUND TANK AREA
G.E. FACILITY - JUANA DIAZ, PUERTO RICO

	UNITS	CONSTITUENTS PRESENT ON SAMPLES AT DEPTHS OF					
		(5-6 Foot)	(10-11 Foot)	(15-16 Foot)	(20-21 Foot)	(24-25 Foot)	Background (0.5-1.0 Foot)
Cyanide	mg/kg	ND	ND	ND	ND	ND	ND
Ext/Base Neutrals	ug/kg	--	--	--	--	--	--
Ext/Acid Extracables	ug/kg	--	--	--	--	--	--
Halogenated Volatile Organics	ug/kg						
1,2 - Dichloropropane		ND	0.53	0.61	0.68	--	ND
Methylene Chloride		ND	3.7	5.3	ND	--	ND
1,1,2,2 - Tetrachloroethane		ND	0.53	ND	ND	--	ND
Tetrachloroethene		ND	0.61	0.94	ND	--	ND
1,1,1 Trichloroethane		ND	1.2	0.76	0.93	--	2.6
Trichloroethene		51	4.1	1.6	12	--	ND
Trichlorofluoromethane		5.9	ND	ND	ND	--	7.1
Aromatic Volatile Organics	ug/kg	ND	--	--	ND	--	ND
Semi-Volatile Organics	ug/kg	ND	--	--	ND	--	ND
Metals (Total)							
Barium	mg/kg	94	120	150	140	130	100
Chromium		9	9	ND	12	ND	13
Copper		32	38	25	47	23	40
Mercury		ND	ND	ND	ND	ND	ND
Nickel		7	12	9	16	9	17
Zinc		60	67	44	88	52	73
Arsenic		1.2	1.7	1.3	2.0	1.1	1.1
Selenium		ND	ND	ND	ND	ND	ND

SOIL TEST BORING NUMBER B-1

ELEVATION (FEET)	DEPTH (FEET)	DESCRIPTION
		Sandy clay Sample 0-1.0 feet
		Sample 5.0-6.0 feet
	10.0	Silty sand Sample 10.0-11.0 feet
		Sample 15.0-16.0 feet
	20.0	Silty sand with some gravel
	21.0	Sample 20.0-21.0 feet Boring terminated at 21.0 feet

REMARKS:
1) Sampled with a split-spoon sampler.
2) No groundwater encountered.
3) Drilling was performed dry.
4) Rig type: CME 45-trailer mounted.
5) Boring was backfilled with soil and grout.

DRILLED BY	Castillo	BORING NUMBER	B-1
LOGGED BY	Asencio	DATE STARTED	11/16/89
CHECKED BY	PMC	DATE COMPLETED	11/16/89
		JOB NUMBER	41-9634

Law Environmental

FIGURE 5

MAR-27-1992 12:56 FROM G.E. WDD - MFG. TO JUANA DIAZ P.06

GE_CARIBE000204

SOIL TEST BORING NUMBER B-2

ELEVATION (FEET)	DEPTH (FEET)	DESCRIPTION
		Sandy clay Sample 0-1.0 feet
		Sample 5.0-6.0 feet
	10.0	Silty sand Sample 10.0-11.0 feet
		Sample 15.0-16.0 feet
	20.0	Silty sandy with some gravel
	21.0	Sample 20.0-21.0 feet Boring terminated at 21.0 feet

REMARKS:

1) Sampled with a split-spoon sampler.
2) No groundwater encountered.
3) Drilling was performed dry.
4) Rig type: CME 45-trailer mounted.
5) Boring was backfilled with soil and grout.

DRILLED BY	Castillo	BORING NUMBER	B-2
LOGGED BY	Asencio	DATE STARTED	11/16/89
CHECKED BY	PMC	DATE COMPLETED	11/16/89
		JOB NUMBER	41-9634

Law Environmental

FIGURE 6

MAR-27-1992 13:57 FROM G.E. WDD - TO JUAN DIAZ P.08

SOIL TEST BORING NUMBER B-3

ELEVATION (FEET)	DEPTH (FEET)	DESCRIPTION
	0.7	Concrete
		Sandy clay
		Sample 5.0-6.0 feet
	10.0	Silty sand Sample 10.0-11.0 feet
		Sample 15.0-16.0 feet
	20.0	Silty sand with some gravel Sample 20.0-21.0 feet
		Sample 25.0-26.0 feet
	26.0	Boring terminated at 26.0 feet

REMARKS:

1) Sampled with a split-spoon sampler.
2) No groundwater encountered.
3) Drilling was performed dry.
4) Rig type: Tripod, potable cathead drill rig.
5) Boring was backfilled with soil and grout.

DRILLED BY	Castillo	BORING NUMBER	B-3
LOGGED BY	Asencio	DATE STARTED	11/17/89
CHECKED BY	PMC	DATE COMPLETED	11/17/89
		JOB NUMBER	41-9634

Law Environmental

FIGURE 7

MAR-27-1992 13:57 FROM G.E. WDD - MFG. JUANA DIAZ P.07

SOIL TEST BORING NUMBER B-4

ELEVATION (FEET)	DEPTH (FEET)	DESCRIPTION
	0.7	Concrete
		Sandy clay
		Sample 5.0-6.0 feet
	10.0	Silty sand Sampled 10.0-11.0 feet
		Sampled 15.0-16.0 feet
	20.0	Silty sand with some gravel Sampled 20.0-21.0 feet
		Sampled 24.0-25.0 feet
	25.0	Boring terminated at 25.0 feet

REMARKS:

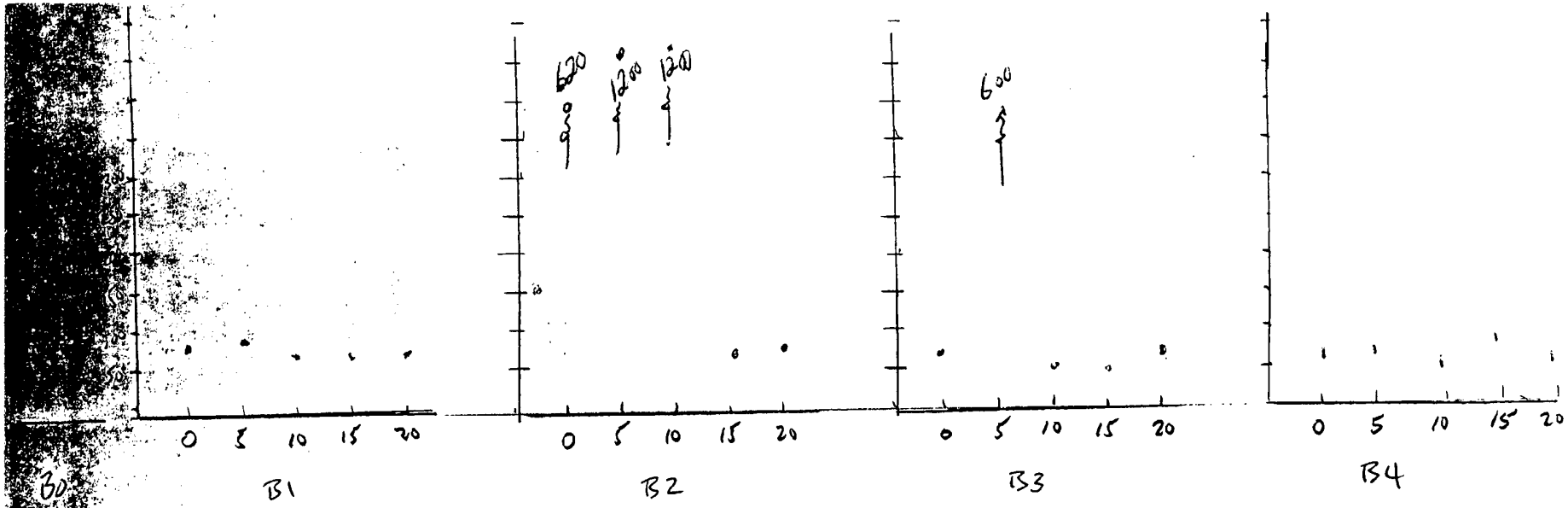
1) Sampled with a split-spoon sampler.
2) No groundwater encountered.
3) Drilling was performed dry.
4) Rig type: Tripod, potable cathead drill rig.
5) Boring was backfilled with soil and grout.

DRILLED BY	Castillo	BORING NUMBER	B-4
LOGGED BY	Asencio	DATE STARTED	11/17/89
CHECKED BY	PMC	DATE COMPLETED	11/17/89
		JOB NUMBER	41-9634

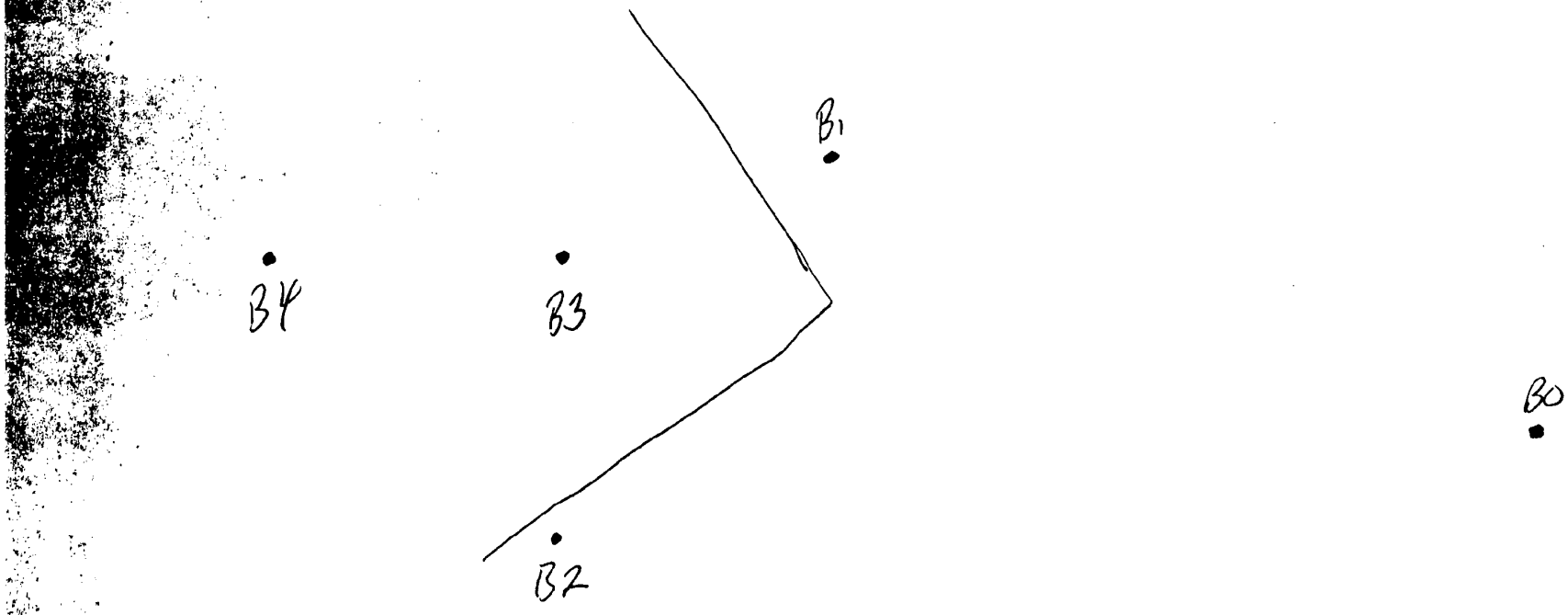
Law Environmental

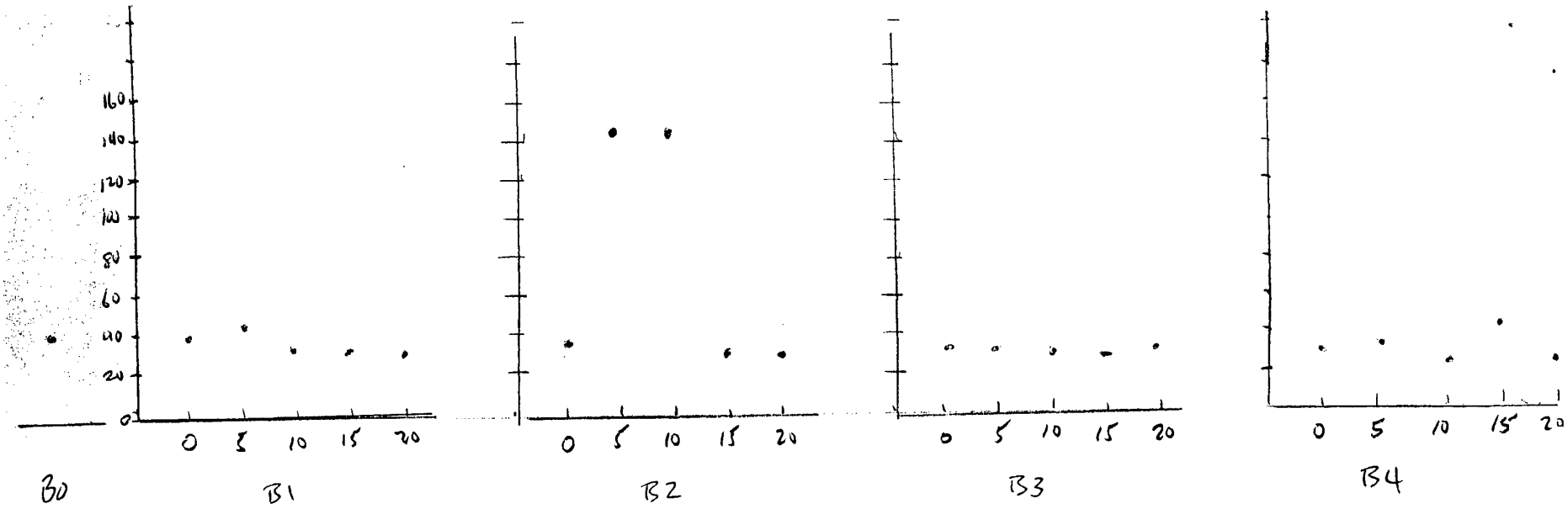
FIGURE 8

GE_CARIBE000207

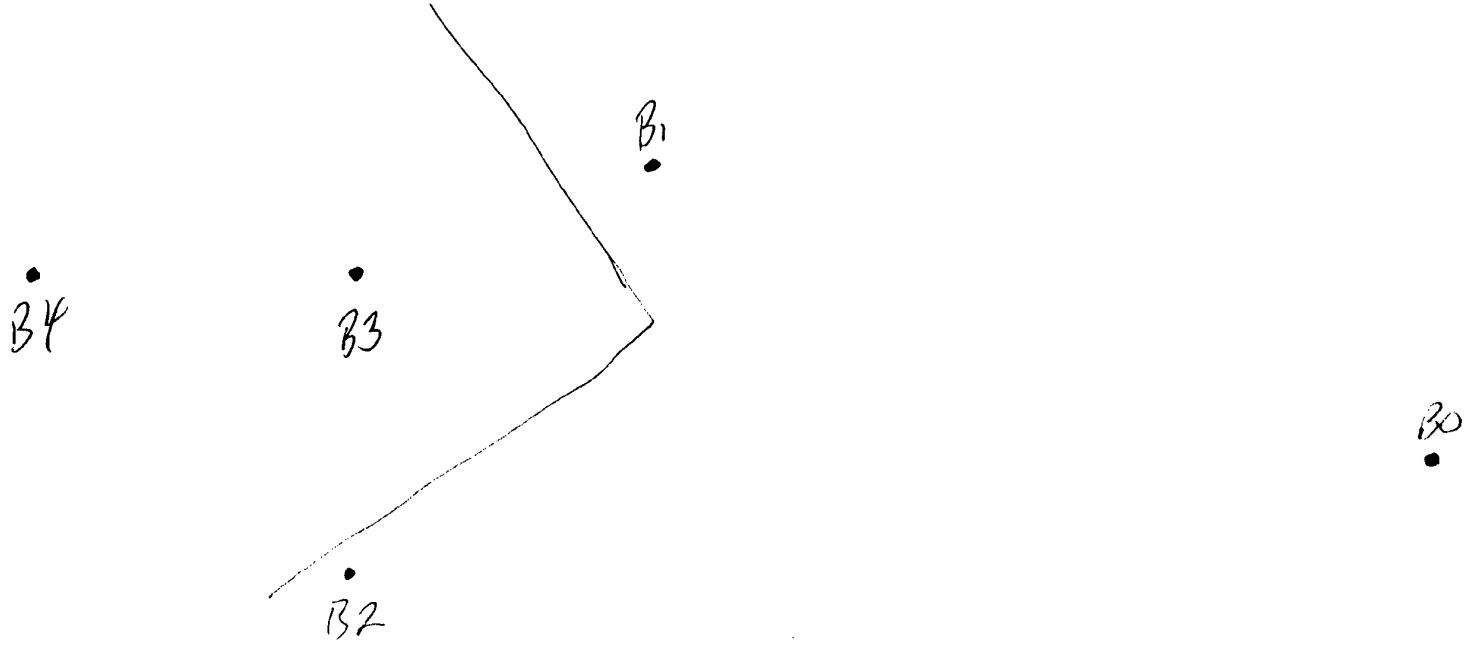


Zinc





Copper



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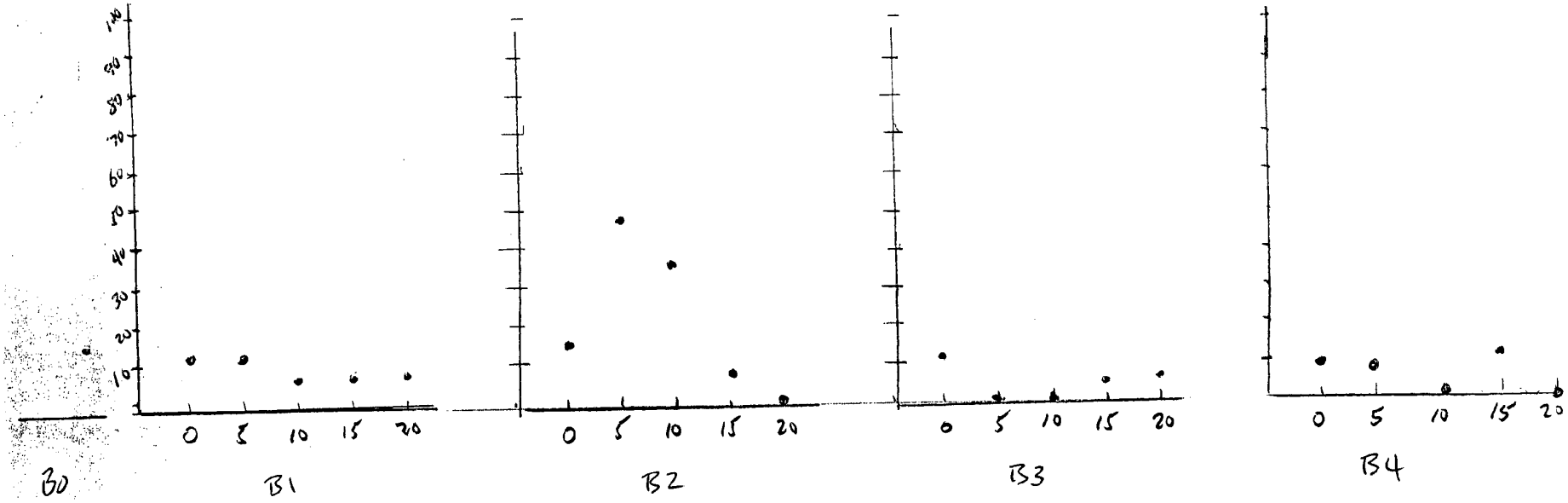
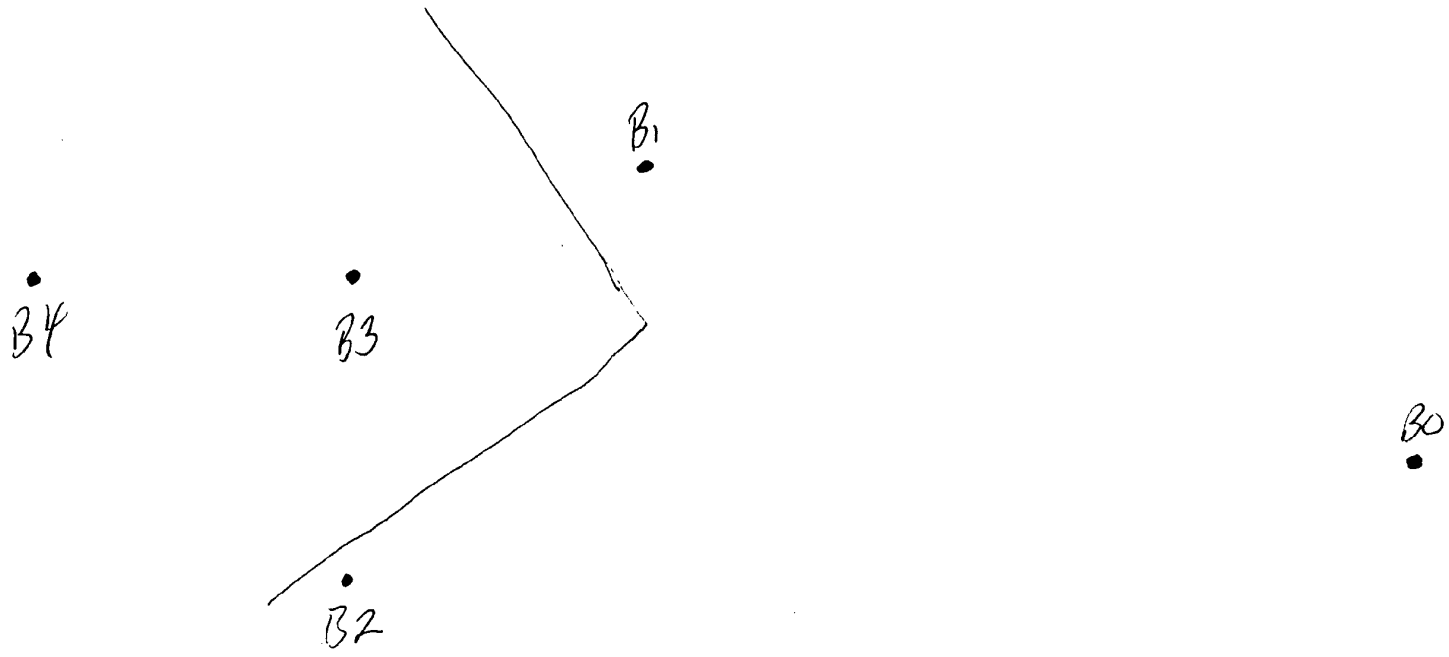


Chromium



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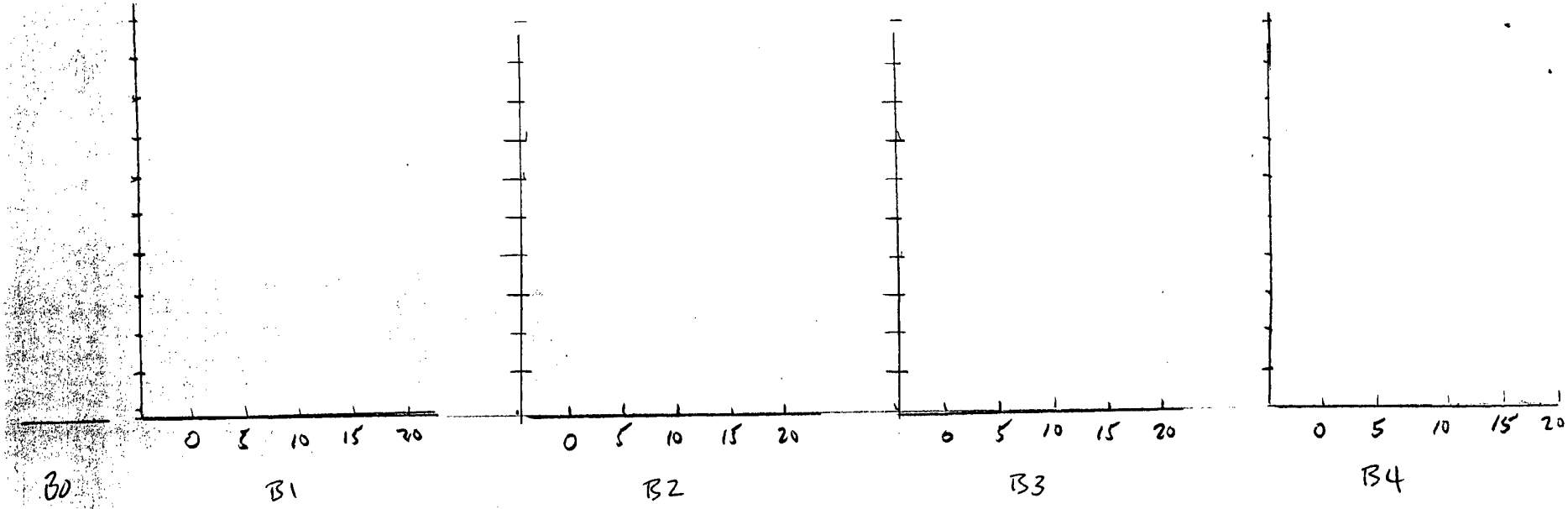
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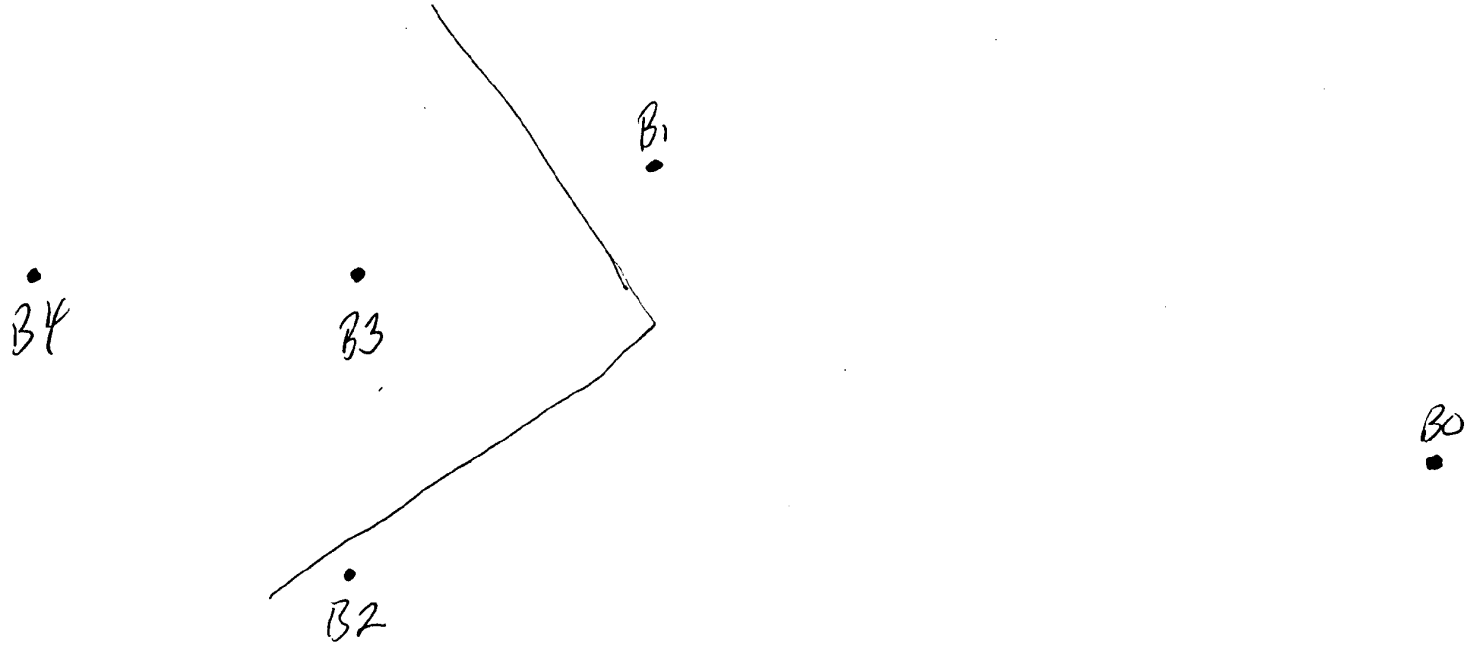
B0
B1
0 5 10 15 20
B2
0 5 10 15 20
B3
0 5 10 15 20
B4


B1
B4
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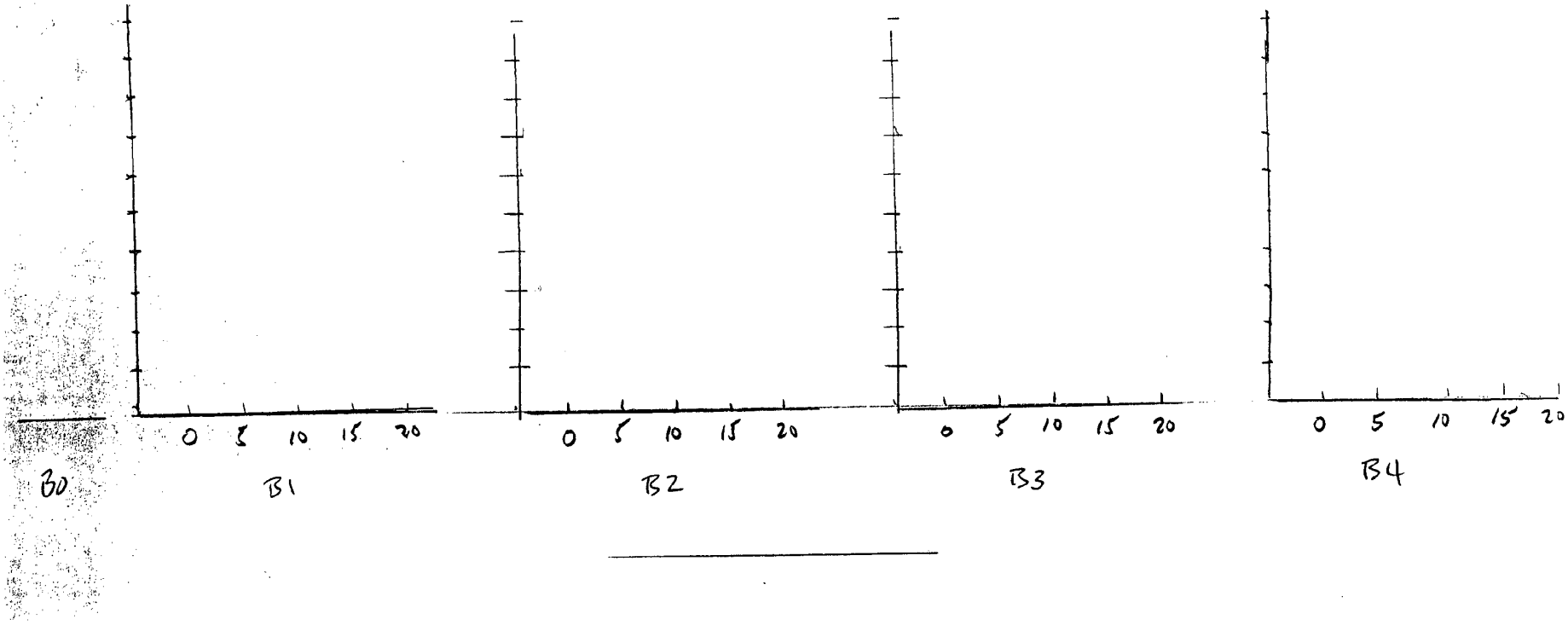

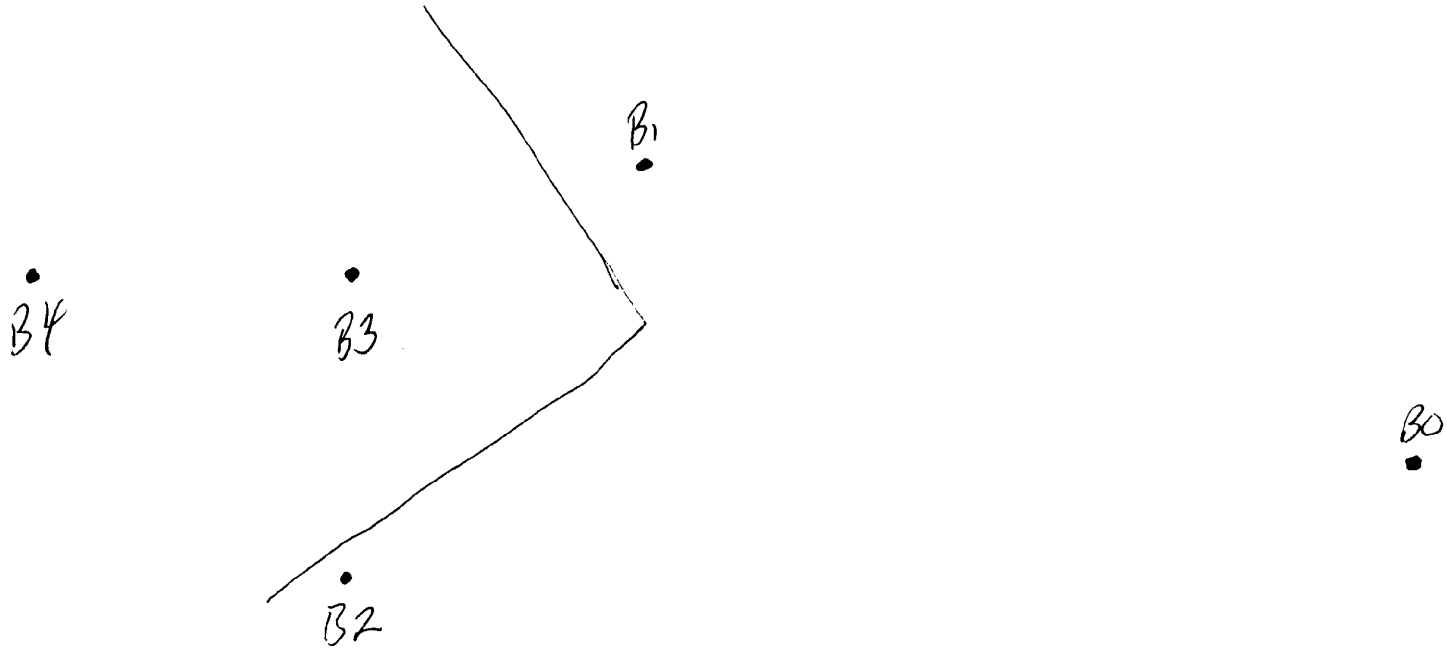

GE_CARIBE000212

#254 2-MAR-1995 11:21:24.65

From: LISO::HARLAN MAIL
To: CLE::YORDAN
CC: HARLAN
Subj: TANK CLEANUP

LUIS -- ON PAGE 3 OF 8 {SEPTEMBER 14, 1988 ITEM ... COULD YOU FILL ME IN ON THE CLARIFICATION OF PART A MISCLASSIFICATION? ALSO, DO WE HAVE RESULTS OF INTEGRITY TESTING? THANKS -- TOM

MAIL>

#1 2-MAR-1995 14:39:30.83 NEWMAIL

From: CLE::YORDAN "LUIS A. YORDAN DIALCOMM 8*497-2000 EXT. 226"
To: LISO::HARLAN
CC:
Subj: RE: TANK CLEANUP

This particular memo is sent to a Ms. Flor del Valle, Director of the Land Pollution Control Area of the EQB at San Juan, and it is answering a letter that Ms. del Valle had sent to Milagros Ruiz from Caribe GE. Juan Colon uses the first paragraph to explain the use of the settling tank. Then he states: "In the original Part A, submitted to EPA in 1980, the tank was misclassified. The tank has always been used as process settling tank and it is not a RCRA unit."

To answer the second question, yes, I do have the resluts of the integrity test for the holding tank, but it is just a printout with the values. There is no signature or anything that could give this list a feeling of authenticity.
-Luis.

MAIL>

GE Lighting

Wiring Devices Puerto Rico Operations
Caribe General Electric Products, Inc.
Calle Carrión Maduro Final
Juana Díaz, P.R. 00795
809 837-2500

November 2, 1995

Benito Colón
Land Pollution Control Area
Environmental Quality Board
National Bank Plaza
431 Ponce de León Ave.
Hato Rey, PR 00917

RE: Proposal for decontamination plan
Caribe General Electric Products
Wiring Devices, Juana Diaz, PR
PRD090282757

Please find enclosed a copy of the proposal for decontamination of the solid waste management units 5, 6 and 7 of Caribe General Electric, Wiring Devices at Juana Diaz. As discussed per our phone conversation of October 30, we will submit for your suggestions the actual Decontamination Plan as detailed under "Work Plan" in section 2.1 of this proposal. The purpose of this submittal is for your agency to verify that this is in fact the general direction to be followed. We will await your response in order to proceed with the design of the Work Plan.

If you have any questions, please contact me at 837-2500 Ext. 2212.

Cordially,

Eng. Luis A. Yordán Frau
EHS Coordinator

cc: J. Giezinski
T. Harlan
M. Ruiz
File

DECONTAMINATION PLAN
SOLID WASTE MANAGEMENT UNITS 5, 6 AND 7
GE WIRING DEVICES
JUANA DIAZ, PUERTO RICO FACILITY

Prepared for:
Caribe General Electric Products Inc.
Calle Carrion Maduro Final
Juana Diaz, Puerto Rico

Prepared by:

Law Environmental-Caribe
Santurce, Puerto Rico

October, 1995

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1.2 BACKGROUND INFORMATION 1-3
1.3 PROJECT APPROACH 1-4

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2.1 SETTLING TANK (SWMU 7) 2-1
2.2 CUTTING AND CONTAINERIZATION OF FIBERGLASS TANKS (SWMU 5 AND 6) 2-3
2.3 CONCRETE PIT AND CONCRETE WASTEWATER TRENCH 2-3
2.4 BACKFILLING OF SETTLING TANK AND CONCRETE PIT 2-3

FIGURE 1 - Proposed Project Flow Diagram

GE_CARIBE000217

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

The purpose of this proposed Decontamination Plan is to present the general procedures that General Electric (GE) will follow for the decontamination of three Solid Waste Management Units (SWMUs) located at the GE Juana Diaz facility. These SWMUs were used as a waste water treatment plant (WWTP) in the treatment of F006 waste waters from electroplating operations. Physical execution of the plan will be implemented by GE's consultants and contractors.

The scope of the project includes:

- cleaning and decontamination of the settling tank (SWMU 7)
- disposal of the 125- and 500-gallon fiberglass tanks (SWMUs 5 and 6)
- cleaning of a concrete waste water trench associated with the WWTP
- cleaning of the concrete pit where the 125- and 500-gallon tanks were located

GE's contractor will prepare project documentation and manage the physical decontamination of the units. Details of these tasks are developed in Section 2.0 of this document.

1.2 BACKGROUND INFORMATION

GE operated the wastewater treatment plant at the GE Juana Diaz facility from 1971 through 1988. The plant treated waste water from an electroplating process. The treatment included neutralization, chromate reduction, and solids settling prior to discharge to publicly owned treatment works (POTW). The Environmental Quality Board (EQB) conducted a RCRA Facility Assessment (RFA) of the GE Juana Díaz facility in 1988. The RFA was documented in *"RCRA Facility Assessment Report" Caribe GE Products, Inc. Juana Diaz, Puerto Rico* (PRD090282757) dated December 1988.

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The settling tank of the treatment plant was identified in the December 1988 *RFA Report* as Solid Waste Management Unit (SWMU) 7. The volume of SWMU 7 has been estimated to be approximately 5,000 to 6,000 gallons.

The *RFA Report* concluded on p. 49 that: " SWMU 7 has a potential of F006 waste and wastewaters releases into the soil due to the fact that the tank walls are old structures. However, release potential into groundwater could be low due to the low permeabilities that characterize the soils of the site. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed."

On p. 50, the *RFA Report* identified the development of a procedure for decontamination as further action. In 1989, sludge was removed from the settling tank, the walls were washed, and integrity tests were performed.

1.3 PROJECT APPROACH

GE's consultants and contractors will provide or arrange for all services described in the scope of work presented as Section 2.0 of this document.

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2.0 SCOPE OF WORK

2.1 SETTLING TANK (SWMU 7)

A flow diagram of the anticipated tasks for decontamination of the settling tank (SWMU 7) is presented on Figure 1. A variable in the scope of work is the sampling and analysis of soils associated with the settling tank. Sampling will be performed if cracks, breaks, or gaps are observed in the sides or bottom of the tank. Specific tasks are discussed in the following paragraphs of this subsection.

Work Plan - For quality assurance purposes typical of regulatory-compliant corrective or remedial actions, a written Work Plan will be prepared. The Work Plan will describe the decontamination procedures and standards to be obtained and will also address health and safety, sampling and analysis, and quality assurance. Upon finalization of the plan GE will proceed with mobilization and implementation of field activities.

Concrete Background Samples - Eight locations within the GE Juana Diaz facility will be selected to obtain concrete core samples (2-inch diameter) to be analyzed for F006 metals. The purpose of the analysis is to establish statistically normal concentrations of metals that may be found in uncontaminated concrete. The core holes will be repaired by filling them with a cement grout. The samples will be delivered to a Puerto Rico-based laboratory for analysis.

Demolition and Removal of Settling Tank Ceiling and Baffle Walls - The settling tank ceiling and the two cinder- block baffle walls within the settling tank will be removed. The debris from this demolition will be containerized and labeled as F006 debris waste. If sludge is encountered when the walls are removed, the sludge will be containerized separately and labeled as F006 waste.

Inspect Settling Tank Interior - After removal of the baffle walls and sludge (if any), the interior of the settling tank will be visually examined to locate fully penetrating cracks, breaks or gaps in the walls or bottom that could have been a point of release from the tank. If such cracks, breaks or gaps are encountered, potentially impaired subsoil samples will be acquired for analysis for F006 metals and halogenated solvents. The cracks, breaks, or gaps will be filled with a cement bentonite grout to ready the tank for decontamination washing.

Clean Settling Tank - The interior of the tank will be cleaned using a high-pressure slightly-acidic (5 to 10 percent) wash followed by a rinse of potable water. Washwater generated from the decontamination will be containerized and labeled as F006 waste.

Settling Tank Cleaning Verification - After cleaning the tank, the affected surfaces will be inspected to determine that a uniformly clean finish is achieved to the extent practicable. Concrete core sample will be selected from a statistically determined number of locations. At this time, we estimate the number of locations to be 14.

Analyze Samples - Samples will be delivered to a Puerto Rico-based laboratory for analysis. These cores will be analyzed for F006 metals and halogenated volatile organics.

Evaluate Analytical Results - The results reported by the laboratory will determine the standard of decontamination achieved. The proposed standard for this tank decontamination is removal of all material impaired (above RCRA Subpart S Corrective Action Levels for organic solvents or background levels for metals) by potential releases from the unit.

Project Documentation - A Draft Decontamination Completion Report will be prepared that documents this scope-of-work for the settling tank. The report will provide a narrative description of the decontamination, present analytical data, and include copies of the Work Plan as an appendix item.

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2.2 CUTTING AND CONTAINERIZATION OF FIBERGLASS TANKS (SWMUs 5 AND 6)

SWMUs 5 and 6 are tanks with reported volumes of 125 and 500 gallons, respectively. The 125-gallon tank was used to reduce hexavalent chromium to trivalent chromium. The 500-gallon tank was used for neutralization. Both tanks are currently empty. These two tanks will be cut in pieces and containerized for GE's disposal as hazardous waste.

2.3 CONCRETE PIT AND CONCRETE WASTEWATER TRENCH

The concrete pit of the WWTP and the concrete wastewater trench associated it will be cleaned using pressure washing techniques described in subsection 2.1 of this scope-of-work.

Washwaters will be containerized and then sampled. The samples will be analyzed for hazardous waste characteristics. GE will properly dispose of washwaters. Cleaning procedures associated with concrete pit and trench will be addressed in the Work Plan and Project Documentation described in subsection 2.1 of this scope-of-work.

2.4 BACKFILLING OF SETTLING TANK AND CONCRETE PIT

Upon achieving decontamination standards, the settling tank and WWTP concrete pit will be backfilled with sand. Sand layers will be placed in approximate 6-inch lifts and densified with a compact vibratory roller. Sand will be obtained from a local quarry. A reinforced concrete slab will be constructed over the sand fill to cap the two pits.

GE Lighting

Caribe General Electric, Inc.
Wiring Devices Puerto Rico Operations
Calle Carrión Maduro Final
Juana Diaz, P.R. 00795
809 837-2500

April 26, 1996

Sr. Benito Colón
Land Pollution Control Area
Environmental Quality Board
National Bank Plaza
431 Ponce de León Ave.
Hato Rey, PR 00917

RE: Proposal for Decontamination Plan
Caribe General Electric Products
Wiring Devices, Juana Diaz, PR
PRD090282757

On Nov 2, 1995 CGEO WD J.D Plant submitted to your consideration Propo Decon Plan for our former WWTP

We have not received your response to our Decontamination Plan proposal submitted to the Environmental Quality Board (EQB) on November 2, 1995, for our Waste Water Treatment Plant. Specifically, solid waste management units 5, 6 and 7 as defined by your agency's RFA report of 1988. In our subsequent telephone calls we have agreed that the submittal of said document was not based on regulatory requirements but rather on a re-assurance from your agency. This was resolved with you as per said RFA report. In order for the project not to fall behind schedule, after May 17, 1996 we will proceed with the development of the Decontamination Plan as outlined in the documents submitted on November 2. If we have no feedback from your agency by that date, we will understand that the EQB has no comments on said proposal and that the Decontamination Plan is agreeable with your agency. We will submit to the EQB a copy of the finished Decontamination Plan for the same purpose the draft of the plan was submitted, which is your agency's re-assurance.

As agreed with B. Colón (2x) it is our understanding not as reg. but as courtesy basis. As of today we have not received response/comments. In order to meet schedule we are hereby informing you that if we don't hear from your office we will proceed with the design of the decon

If you have any questions, please contact me at 260-5008.

Cordially,

Eng. Luis A. Yordán Frau
EHS Coordinator

xc: T. Harlan - GE Lighting
M. Ruiz - Caribe GE
V. Félix - Law Environmental
File

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental Quality Board

FKE
20905-7-0022
CORRESPONDENCE

FROM: RAMON PEREZ
ATTENTION
WENDELL RODGERS
fax 722-7796

December 18, 1996

Ing. Jorge De Jesus
General Electric Company
Carrion Maduro Final st.
Juana Diaz, P.R.,00795

RE: DECONTAMINATION WORK PLAN/
SWMU'S 5,6 AND 7.
CARIBE GENERAL ELECTRIC,
JUANA DIAZ, PR, 00795

Dear Mr. De Jesus:

On December 13, 1996 the Environmental Quality Board (EQB) received the Decontamination Work Plan for the Solid Waste Management Units (SWMU's) 5,6 and 7 submitted by Law Environmental-Caribe on behalf of General Electric Company located at Juana Diaz.

The Corrective Action and Quality Assurance Section has evaluated the document and understand that G.E. can commence with all decontamination activities as scheduled in the work plan.

If you have any question regarding this matter, feel free to contact Mr. Benito Colón or Mr. Santos Cabrera, of my staff, at (809) 766-2817 or 767-8181 ext. 2816.

Cordially,

Israel Torres Rivera
Director
Land Pollution Control Area

BC/eas

bgejdaz.tnk+

NATIONAL PLAZA BUILDING, 431 PONCE DE LEON AVENUE, HATO REY, PUERTO RICO 00917
P.O. BOX 11488 SANTURCE, PUERTO RICO 00910 PHONE NUMBER: 767-8181

1

RCRA FACILITY ASSESSMENT REPORT

CARIBE GE PRODUCTS, INC.

JUANA DIAZ, PUERTO RICO

PRD090282757

Aida T. Fuentes Rivera
EQB Land Pollution Control Area
Hazardous Wastes Division
December, 1988

United States
ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

BILL FOR COLLECTION

BILL NO. ~~BRIN-01478-06~~

BUREAU/OFFICE FOR REMITTANCE PAYABLE

DATE 6-30-06

ADDRESS FOR MAILING PAYMENT USEPA-Region II

P.O. Box 360188M, Pittsburgh, Pa 15251

[redacted]

PAYER

O'Brien & Gere
Mr. John Jennings
404 South Pinehurst Avenue
Tampa, Florida 33617

DATE	DESCRIPTION	QUANTITY	UNIT PRICE COST	UNIT PRICE PER	AMOUNT	
	RFA Report for Caribe GE Products in Juana Diaz, PR Approximate Number of pages 242 pages @ $ .15 per page				$ 36	30
	Payment is due within 30 days of the date of this bill. If payment is not received by this date, a daily interest charge of .0055% (2% per annum) will be assessed from the date of this bill through the date of payment. A late payment handling charge of $ 15.00 will be imposed after 30 days with an additional charge of $ 15.00 for each subsequent 30 day period. A 6% per annum penalty will be applied on any principal amount not paid within 90 days of the due date.					

DATE	SIGNATURE	TITLE			
			AMOUNT DUE	$	
			AMOUNT OF PAYMENT	$	~~$ 36~~ ~~30~~

EPA Form 2505-4 (9-73) REPLACES FORM DI-1040 WHICH IS OBSOLETE.

OFFICIAL RECEIPT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

JUN 30 2006

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. John Jennings
O'Brien & Gere
404 South Pinehurst Avenue
Tampa, Florida 33617

Re: Freedom of Information Request No. (2)-RIN-01478-06
Dated: June 7, 2006

Dear Mr. Jennings:

Your request for information has been referred to this branch for response. We have searched the Resource Conservation and Recovery Act (RCRA) files and/or computer database as appropriate to respond to your request.

Enclosed is a copy of the RCRA Facility Assessment (RFA) Report dated December 1988 for Caribe General Electric Product, Juana Diaz at Carr. 149 Km 67 in Juana Diaz, Puerto Rico.

Also, as indicated in your request, the cost for processing your request will not exceed $50.00. The charge for copying the RFA Report is $36.30. Please remit in accordance with the enclosed bill.

Please include the above referenced request number on the face of your check, or money order, and in any inquiries regarding this response.

Sincerely yours,

Adolph S. Everett, P.E.
Chief
RCRA Programs Branch

Enclosures

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Mr. John Jennings
O'Brien + Gere
404 South Pinehurst Ave.
Tampa, Florida
33617

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Return

EPA FORM 1320-6-R-II (REV. 4-88)

☆U.S. GPO:1995—611-180

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FLM

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

May 10, 1989

M E M O R A N D U M

TO : Mrs. Flor L. del Valle
Director
Land Pollution Control Area

THROUGH : Mr. Carlos R. Martínez
Acting Director
Hazardous Waste Division

FROM : Aida T. Fuentes
Junior Environmental
Science Specialist

SUBJECT : RCRA Facility Assessment Report
Caribe GE Products, Inc.
Juana Díaz, Puerto Rico
PRD090282757

Enclosed please find the RFA Report for Caribe General Electric Products, Inc. as committed for the 1st quarter of FY'89. The same should be sent to EPA, New York.

Should you have any question in regard to it, please contact the subscriber.

ATF/eas

Enclosure

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

May 10, 1989

Mr. Angel Chang, Chief
Caribbean Facilities Section
Hazardous Waste Facilities Branch
US Environmental Protection Agency
26 Federal Plaza - Region II
New York, New York 10278

RE: RCRA Facility Assessment Report
Caribe GE Products, Inc.
Juana Díaz, PR
PRD090282757

Dear Mr. Chang:

Enclosed please find the RFA Report prepared for Caribe GE Products, Inc., Juana Díaz as committed for the 1st quarter of FY'89.

Should you have any question or need additional information, please contact Ms. Aida T. Fuentes, at (809) 722-5453.

Cordially,

Flor L. del Valle
Director
Land Pollution Control Area

ATF/eas

Enclosure

RCRA FACILITY ASSESSMENT REPORT

CARIBE GE PRODUCTS, INC.

JUANA DIAZ, PUERTO RICO

PRD090282757

Aida T. Fuentes Rivera
EQB Land Pollution Control Area
Hazardous Wastes Division
December, 1988

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2. Summary of Important Events in the History of Caribe G.E., Juana Díaz

3. Solid Waste Management Unit No. 1

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10. Summary of Potential Release Pathways and Further Actions

ATTACHMENTS

1. EQB's Industrial Hazardous and Toxic Waste Study
2. Original Notification of Hazardous Waste Activity
3. Original Part A Permit Application
4. Revised Notification of Hazardous Waste Activity
5. Revised Part A Permit Application
6. PFE Permit
7. Field Notes
8. List of Hazardous Waste Manifest
9. Letter dated June 1, 1987 from GE to EQB
10. Memorandum dated September 19, 1984
11. Geologic Map of the Ponce Quadrangle, Puerto Rico (Map I-863)
12. Regional Geology and Ground Water (from Reference 3)
13. Facility Response Letter and Questionnaire
14. Generalized Superfund Site Setting Map
15. Chronological History of the Hg Landfill
16. Description of the Geology and Hydrogeology of the Hg Landfill
17. Site and Land Use Map
18. Details of CSA1 and Sumps
19. Copy of Analysis Report of Sludge

20. Study on permeability, cation exchange capacity, mineralogy and grain size

21. Detailed Drawings of the sedimentation tank

22. List of electroplating Raw Materials

23. Wastewater Analysis Report (for July 1 to December 31, 1988)

24. Spent Hydraulic Oil Analysis Report

25. Scheme of the Electroplating Area

26. Topographic Map

27. Copy of Memorandum to the Inspection, Monitoring and Surveillance Section

RCRA FACILITY ASSESSMENT REPORT
CARIBE GE PRODUCTS, INC.
JUANA DIAZ, PUERTO RICO
EPA ID. NO. PRD090282757

I. Introduction

A RCRA Facility Assessment (RFA) embraces the identification of past, present or potential releases of hazardous wastes or hazardous constituents into the environment from any unit or activity that involves management of solid wastes as defined in 40 CFR 261.2 in a permitted or under interim status facility. The Assessment shall address releases of hazardous wastes or constituents to all environmental media including soil, groundwater, surface water, air, and the generation of subsurface gas. Any release that has migrated beyond the facility boundaries shall also be considered. The ulterior purpose of an RFA will be the implementation of corrective actions where necessary as mandated by the 1984 Hazardous and Solid Waste Amendments (HSWA) made to the Resource Conservation and Recovery Act (RCRA).

The present project is intended to identify the Solid Waste Management Units (SWMUs) and Areas of Concern (AOC) that could have potential or a history of hazardous wastes releases at the Caribe GE Products, Inc. of Juana Díaz, Puerto Rico PRD090282757. This facility is located at State Road 149, Km. 67, Juana Díaz at the South-Central part of the Island (Latitude 18°05'03"N, Longitude 66°30'03"W). Its postal address is:

Caribe General Electric Products, Inc.
P.O. Box 1430
Juana Díaz, Puerto Rico 00665

and the local contact person for environmental affairs is:

Mr. Stephen Brown
Environmental Coordinator
(809) 837-2500

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A Solid Waste Management Unit is defined as "any discernible unit at which solid or hazardous wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. It would include any area at which hazardous waste or hazardous constituents have been routinely and systematically released; but, it would not include accidental spills from production areas and units in which wastes have not been managed"[1]. In the other hand, an Area of Concern is defined as "any area at which hazardous waste or hazardous constituents have been released but such release is not routinely and systematically done. An AOC also include any area for which there is a suspicion that a release occurred"[1].

Identification of SWMU's and AOC's at the Caribe GE Products, Inc. has been performed through a preliminary review of EQB's file and four visual site inspections.

The preliminary review included the following files: Facility SWMU Response Letter; RCRA Permits and Engineering Section; Inspection, Monitoring and Surveillance Section; Manifest Records; Permit for Emission (Air Quality File). However, file from EQB's Legal Division was not available.

First visual site inspection (Preliminary Visit) was performed on August 12, 1988 during which the Facility Response Letter was personally, delivered to Mr. José Márquez, Environmental Coordinator at that time and the Mercury Landfill (Superfund Site) was visually inspected. A second site-visit was performed on December 20, 1988 in order to complete facility's information regarding its history, operations, SWMU's and to review facility's file. A third visual-site inspection was performed on December 21, 1988 to visually inspect the GE's manufacturing process the SWMU's and AOC's at the facility; also to take photos of the units. Finally on February 8, 1989 a reinspection of the facility was performed.

After evaluation of all the gathered information, conclusions will be presented addressing the release potential of each SWMU's and AOC's with respect to all the environmental media and further actions will be recommended.

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II. Facility and Process Description

A. History

Caribe GE, Juana Díaz started operations on August 30, 1957 in a property of the Puerto Rico Industrial Development Company (PRIDCO) utilized at the time for growing of sugar cane. GE acquired the property on 1987.

Since 1957 the company has been manufacturing electric wiring devices including switches, receptacles, starters and relays. Manufacture of switches utilizing mercury (Hg) was discontinue on 1970 when this particular operation was transfered to the GE Ponce plant. Electroplating of the manufactured electric wiring devices started on 1971 at Juana Díaz.

On the EQB's Industrial Hazardous and Toxic Waste Study dated March 20, 1974, the company reported the using of urea, steel, aluminum and brass as raw materials and the chemical detoxification process at the treatment plant. Refer to Attachment 1 for copy of the study.

The company notified its hazardous waste activity on August 5, 1980. Its activity was classified as being a generator and a facility that treated, stored and disposed of hazardous wastes. Hazardous wastes reported as being generated were F006, F007, F008 and F009 wastes. Refer to Attachment 2 for copy of the original Notification of Hazardous Waste Activity.

The company submitted their Part A permit application on November 14, 1980. The company reported the following hazardous wastes, estimated quantities and processes:

Hazardous Waste	Estimated Annual Quantity of Waste (Unit)	Process Code
F006	45.36 T	S02,T01
F007	1870.00 P	S01
F008	525.00 P	S01
F009	916.00 P	S01
D000	2.07 T	S01 (Spent oils)

Refer to Attachment 3 for a copy of the Original Part A Permit Application.

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On September 1st, 1987 the company submitted a revised Notification of Hazardous Waste Activity in order to clarify that the only wastes they generate are F006 and D007 (Chromate Bath Spent Solution). The F007, F008 and F009 wastes reported in the original Notification were entered in the Notification as a Protective Filer since they have never generated and will not generated these cyanides wastes. Refer to Attachment 4 for a copy of the Revised Notification of Hazardous Waste Activity. On October 6, 1987 the company submitted a revised Part A Permit Application reporting the following hazardous waste, estimated annual quantity of waste and processes code: F006, 12.0T, S01, D007, 1.0T S01. Refer to Attachment 5 for a copy of the Revised Part A Permit Application.

From 1957 to 1970 the company's west field was used as a receptor for processed defective mercury buttons. The waste fill contains plastic fragments, defective switch parts, broken glass, mercury switch buttons, brass stampings and rubber. It is included in the National Pollutant Priority List and has been classified as a Superfund site since 1982.

Wastewaters from the electroplating process are treated in the company's Wastewater Treatment Plant since 1971. Generated sludge (F006 waste) was transported and disposed of by Servicios Carbareón, Peñuelas which requested a permit to disposed GE's sludge on April 3, 1979. However, since 1980, F006 wastes are stored on Container Storage Area No. 1. On April 21, 1987 the company was requested by the US EPA to submit either a RCRA Part B Permit Application or a Closure Plan for the Container Storage Area No. 1. The company submitted a Closure Plan on May 17, 1988 with revisions made on July 26, 1988 and August 10, 1988. On February 7, 1989 the Completeness Determination step was completed. Public Notice was issued on March 11, 1989.

Caribe GE, Juana Díaz obtained a Permit for Emissions for four stacks five or six years ago being the last renewal made on July 29, 1987 which expire on July 29, 1989 (PFE-39-0786-0518I-0). Refer to Attachment 6 for a copy of the PFE permit.

B. Present Facility Operations

At present Caribe GE of Juana Díaz is engaged in the manufacturing of the following:

1) Fluorescent bulb starters
2) Multiple Plug Tabs
3) Electrical Plugs
4) Electrical Outlets
5) Pull Chain Fixture Socket
6) Brass Stamping Operations (electroplating)

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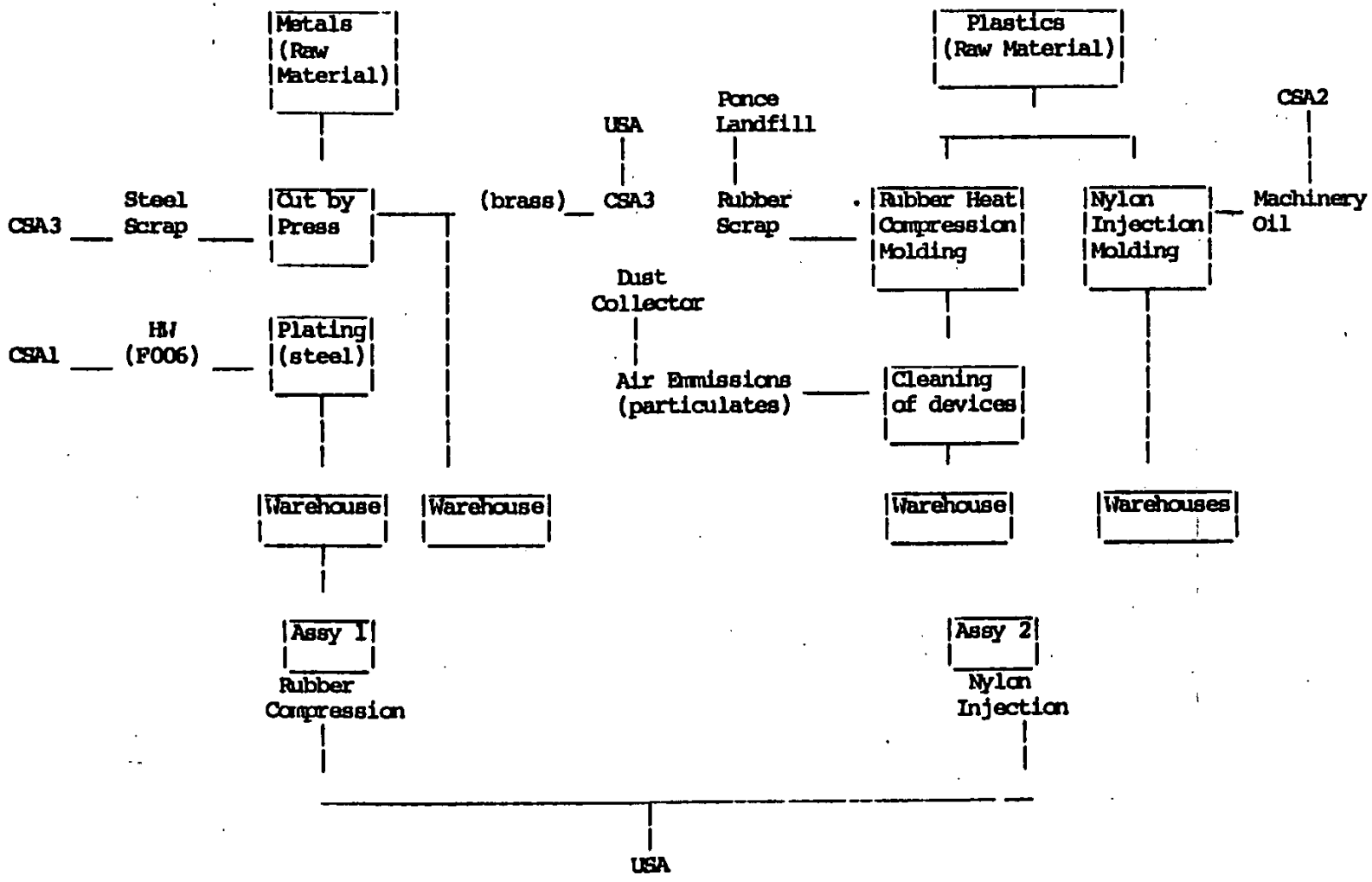
Raw materials utilize for the manufacturing processes include: Polymers, plastic, brass, aluminum and steel. (Refer to Attachment 22 for a list of Raw Materials utilized in the developing process.

A scheme describing present facility operations follows:



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C. Identification of All Waste Streams

At present, the following solid and hazardous wastes are generated by the company:

a) F006, Wastewater Treatment sludge from electroplating operations.
b) D007, Chromate Bath Spent Solution
c) Non-regulated non-hazardous used oil
d) Non-regulated scrap metals
e) Rubber scrap from rubber heat compression molding
f) D001, Waste Petroleum Naphtha Combustible liquid, UN1255

Seven (7) solid waste management units (SWMU's) have been identified. These are:

NPL

a) SWMU1 - Mercury-contaminated Landfill
b) SWMU2 - Container Storage Area No. 1 (CSA1) for F006 wastes
c) SWMU3 - Container Storage Area No. 2 (CSA2) for Spent Oil
d) SWMU4 - Container Storage Area No. 3 (CSA3) for Metal Scrap
e) SWMU5 - Wastewater Treatment Unit No. 1 (WWT-1) for Chromate Reduction
f) SWMU6 - Wastewater Treatment Unit No. 2 (WWT-2) for Neutralization/Chemical Precipitation
g) SWMU7 - Wastewater Treatment Unit No. 3 (WWT-3) for Sludge Sedimentation (Sludge Settling Tank)

Refer to Attachment 7, facility site plan, for location of all the SWMU's.

Table 1 describes waste flow for all identified wastes stream from the point of generation through ultimate disposition.

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TABLE 1 : WASTE FLOW DESCRIPTION CHART

WASTE	GENERATION	TREATMENT	STORAGE	DISPOSAL
F006, Wastewater Treatment Sludge from Electroplating Operations AST, 6000 gal No release control metered release of Liquid into sewer	SWMU7, Sludge settling tank (WWT-3)	N/A	Stored in 55-gallon drums at CSA1 (SWMU2); or sludge is directly transfered from WWT-3 to a 5,000 gallon tank truck to haul away the waste same day. (As a new Wastewater Treatment Plant start operations on 1989, the sludge will be filter pressed and stored in Marino bags at CSA1).	Emelle, Alabama; Livingston, Louisiana; or Pottsville, Pennsylvania Liquid into Sewer
D007, Chromate Bath Spent Solution	Electroplating Process, specifically from the yellow chromate bath where zinc electroplated pieces go.	N/A	Stored in 55-gallon drums at CSA1.	Emelle, Alabama
Non-regulated non-hazardous used oil*	From Nylon Injection Molding machinery since the end of 1985. Also small quantities from Tool Room.	N/A	Stored in 55-gallon drums at CSA2 (SWMU3)	Disposed by Safety Kleen Envirosystems (PRD090399718)

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TABLE 1 (CONT.)

WASTE	GENERATION	TREATMENT	STORAGE	DISPOSAL
Non-regulated scrap metals	When cutting metals (raw materials) in a press (before electroplating), two kind of scrap metals are generated, namely brass scrap and cold rolled steel.	N/A	Brass scrap is stored in CSA3, Area 1 and steel scrap is stored in CSA3, Area 2. Both are stored in drums.	Steel scrap is sold to siderurgical industries in P.R. Brass scrap is sold to mills in USA.
Rubber-scrap	From Rubber heat compression molding	N/A	Garbage	EFI disposed the rubber scrap in the Ponce Landfill
D001, Waste Petroleum Naphta Combustible liquid, UN1255	From cleaning of Die in Tool Room.	N/A	N/A	Disposed of by Safety Kleen as soon as it is converted in spent solvent, aprox. every 6 weeks.

* NOTE: Spent oil was disposed as a D001 hazardous waste till 1987 since analyses performed showed oil was not hazardous. Refer to Attachment 24 for Analysis Test Results Report).

Refer to Attachment 8, list of Hazardous Waste Manifest for quantities of hazardous wastes that have been manifested until present.

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D. Regulatory History

On letter dated June 1, 1987 (refer to Attachment 9 for copy of the letter) and after receipt of the RCRA Part B Permit Application submission request for April 21, 1987, Caribe GE, Juana Díaz requested a change in status to become only a Hazardous Waste Generator facility. Since the only RCRA unit the company has is the Container Storage Area No. 1 (CSA1), for F006 waste storage, GE also submitted a Closure Plan for the RCRA unit on May 17, 1988 with revisions made on July 26, 1988 and August 10, 1988. On September 15, 1988, it was determined that the last revision of the Closure Plan was in compliance, however on December 7, 1988 the company submitted an ammendment to Table 2 and Table 3 of the Closure Plan in order to include Total cyanide. Another Completeness Determination dated February 7, 1989 was prepared. The Public Notice was issued on March 11, 1989.

An Administrative Order on Consent (Draft Index no. II-CERCLA-30301) regarding the Mercury - contaminated Landfill (Superfund site) was prepared on 1983 by US EPA. It was issued in order to request to the Caribe GE, Juana Díaz that remedial action be taken, preceded by a remedial investigation and study of alternative remedial actions (feasibility study). Since the order is confidential, it will not be included as an attachment. Public Hearings were carried out on October 1988 and the Record of Decision informing the chosen remedial action, was presented on November, 1988.

On a Full RCRA Inspection made in September 4, 1984, 4 violations were encountered at that time. Refer to Attachment 10, for a copy of the memo detailing the violations. An administrative order (DL-87004-009) was issued and a fine was paid by the company. (Copy of the order was not available).

Table 2 presents a summary of the most relevant historical events of the company.

GE_CARIBE000246

TABLE 2: SUMMARY OF IMPORTANT EVENTS IN THE HISTORY OF CARIBE GENERAL ELECTRIC PRODUCTS, INC. JUANA DIAZ, PUERTO RICO

DATE	EVENTS	COMMENTS
August 30, 1957	Operations started	Owners PRIDCO till 1987
Year of 1971	Electroplating of manufactured devices started	
August 5, 1980	Notification of HW Activity	Reported F006, F007, F008, F009 wastes
November 14, 1980	Part A Permit Application	
Year of 1983	Administrative Order on Consent (Index No. II-CERCLA-30301)	Prepared by EPA regarding Mercury-contaminated Landfill.
September 4, 1984	Full RCRA Inspection	4 violations encountered
April 21, 1987	Part B permit application submission request	
July 29, 1987	PFE-39-0786-0518-I-0 Issued	Expires on July 29, 1989
September 1, 1987	Revised Notification of HW Activity	
October 6, 1987	Revised Part A Permit Application	
May 17, 1988	Closure Plan submitted for CSA1	Revisions made on July 26, 1988 and August 10, 1988
November, 1988	Record of Decision presented	Remedial action for Mercury Landfill was chosen
December, 1988	Completeness Determination of Closure Plan	Includes ammendment to Table 2 and Table 3 of CP to include Total Cyanide

GE_CARIBE000247

E. Maps

Different maps are included as attachments, as follows:

1) Geologic Map of the Ponce Quadrangle, Attachment 11.
2) Map showing location of SWMU's, Attachment 13
3) Generalized Superfund Site Setting Map, Attachment 14
4) Site and Land Use Map, Attachment 17
5) Topographic Map, Attachment 26

GE_CARIBE000248

III. ENVIRONMENTAL SETTING

A. Surrounding Land Use

Caribe GE of Juana Díaz is located in an area zoned as urban by the Puerto Rico Planning Board. The facility is located outside the 100-year flood zone.

Caribe GE is surrounded to the north by a parking lot and an electrical sub-station; to the south by a GE land property follows by a residential area (Urbanización Jacaguax); to the west by a PRIDCO property (last occupied by a shoe factory); and to the east by Carrión Maduro Street, Road 149. Refer to Attachment 17 for a Site and Land Use Map..

Population within 5 miles is 10,000 inhabitants.

B. Meteorology

As per reference 3, Hydrogeologic Investigation:

"The climate in the study area is semiarid. The east-west trending mountain chain north of Juana Díaz causes the release of a majority of rain (orographic precipitation) on the northern slope. The southern slope when the site is located receives an average annual rainfall of approximately 30 to 40 inches. The season of heaviest rainfall is during the months of August, September and October. April and May are the first wet periods, while January, February and March constitute the dry season. The temperature varies approximately 5°F between January and July. The mean annual temperature for the Juana Díaz area is approximately 80°F".

C. Surface Hydrology

According to the geologic map (refer to attachment 11), the nearest major surface water bodies are Río Jacaguas and the Juana Díaz Canal. Río Jacaguas is .9 km away from GE Juana Díaz to the East and .7 km to the north. The Juana Díaz Canal is .55 km away from the facility to the west. Both water bodies flow to the north.

The use of these water bodies is unknown.

GE_CARIBE000249

D. Geology and Soils

Refer to Attachment 12 for description of the regional geology as per description included in reference 3.

The topography of the area is very light, that is, of low relief. The slope from the topographic map (Attachment 26) dips gently to the north.

According to the Geological map (Attachment 11), the facility is located in Alluvial Terraces. This deposit is described as follows: "Alluvial Terrace (Pleistocene - Quaternary Age) - crudely and irregularly bedded, fresh to moderately weathered, gravel, sand, silt, and some clay.

E. Hydrogeology

As per reference 3 and attachment 12: "The Tertiary and Cretaceous volcanics rocks yield small to moderate amounts of ground water". "The Juana Díaz formation has limited importance to the ground water as a result of low permeabilities. The associated ground water is generally saline as a result of connate waters or ocean water entrapped in the interstices at the time the sediment was deposited". "The groundwater associated with the Ponce Limestone is generally of poor quality".

"A well drilled by the Puerto Rican Aqueduct and Sewer Authority in 1959 indicated that the water level was about 35 feet below the ground surface at the Holocene alluvium. The alluvium is the major source of ground water in the area".

Two permeabilities tests that were run on the south of the Hg Landfill area. Refer to Attachment 20 for the study on permeability, cation exchange capacity, mineralogy and grain size. Tests were run for the clayey silt and silty clay layers, and the results were 6.0 E-4 and 8.0 E-5 cm/sec, respectively. According to the study, lower permeabilities might exist in these materials at greater depths below the zone of root activity or dessication.

GE_CARIBE000250

IV. SUMMARY OF VISUAL SITE INSPECTIONS

Two visits were conducted at the Caribe GE, Juana Díaz during the RFA procedures.

In order to visually inspect the Superfund site (Mercury Landfill), a Preliminary visit was first conducted on August 12, 1988 during which the following personnel met with Mr. José Márquez, Environmental Coordinator: Carlos O'Neill, EPA Caribbean Office, Jackie Moya and Laura Brown, EPA Washington, Aida T. Fuentes, EQB. A letter requesting facility information was handed to Mr. José Márquez. Refer to Attachment 13 for a copy of the letter and the questionnaire.

A meeting was conducted on December 20, 1988 between Mr. José Márquez and Aida T. Fuentes in order to complete information about the facility regarding its history, operations, solid waste management units and to review facility's files. Files reviewed included the following: Hazardous Waste Storage Log and Hazardous Waste Inspection Record.

On site-visit inspection was performed on December 21, 1988 during which photos from the SWMU's and AOC were taken. Ms. Yamira L. Rivera, Mr. Néstor M. Rivera and Ms. Aida T. Fuentes from EQB met with Mr. José Márquez, Mrs. Milagros Ruiz and Mr. Stephen Brown from GE in order to inspect the manufacturing process, the SWMU's and AOC. Refer to Attachment 7 for copy of the field notes. A re-inspection of the units was performed on February 8, 1989.

Following is a summary of observations made during the visual site inspection of the facility:

a) Electroplating Area

Green solid buildups were observed on the concrete floor at the back side of the nickel solution tank and at the tank outlet. Leaks on lines from the Zinc, Tin, Acid Salts and Rinse tanks were observed. Some leaks drains into a canal which goes to the neutralization tank, bases of all the tanks are corroded; a mobile tank was observed near the electroplating area labeled as tin sludge and containing a greenish-brown sludge; also a drum containing tin-strip was observed in the area.

b) Old Waste Water Treatment Plant

Sedimentation tank can not be visually inspected; the plant will be in use till December 23, 1988.

GE_CARIBE000251

c) Shipping Dock

Raw materials were being received; a white dust was observed on the floor.

d) Mercury Lanfill

Facility run-off is collected through a pipe and diverted through the side of the landfill toward the empty land near the company; landfill side towards the shoe factory has no containment control for releases from the landfill.

e) Container Storage Area No. 1 (CSA1)

Ten (10) drums of 55 gallons containing sludge F006 were observed.

f) Container Storage Area No. 2 (CSA2)

Two levels for storage of drums containing spent oil; absorbent material with oil stains was observed within the CSA dike.

g) New Waste Water Treatment Plant

It was installed and ready for use by January 9, 1989. The plant consist of a chromate treatment tank, neutralization tank, floculation unit, sludge holding tank and a filter press.

h) Container Storage Area No. 3 (CSA3)

It is divided into two different areas; the area designated for storage of metal scrap was full of raw materials such as Sodium Hydroxide, Sodim Metabisulfite, zinc chloride, copper, boric acid, cadmium chloride.

i) Raw Material Storage Area

Small area behind the new Waste Water Treatment Plant for storage of acids.

GE_CARIBE000252

V. SOLID WASTE MANAGEMENTS UNITS

A. SWMU1

SWMU1 consists of a land disposal unit which is waste fill contaminated with mercury. It is located to the west side of the facility. Refer to Attachment 14 for location of the site in the Generalized Site Setting Map.

The waste fill limits are approximately 110 by 460 feet in an area immediately west of the plant. The area of the primary waste fill occupies approximately 30,000 square feet and is estimated to have a volume of about 108,000 cubic feet (4,000 cubic yards). The area south of the waste fill was apparently cultivated for sugar cane in the past and is now an open field. Several occupied houses of Juana Díaz are located about 400 feet south of the waste fill. A fence line roughly forms the parallels this line on the west and drains from north to south. The waste fill formally received storm water runoff directly from the plant area. This run off was diverted by construction of a drain pipe in 1982.

The landfill was used between 1957 and 1969 as a receptor for processed defective mercury buttons. Refer to Attachment 15 for a chronological history of the site. The landfill is included in the National Pollution Priority List and has been under the Superfund since 1981. The unit is currently inactive.

Photos 12 through 14 presents differents aspects of the landfill.

Attachment 16 describes the geology and the hydrogeology of the site.

A Hydrometallurgical Treatment has been recommended as an alternative for remedial action at the site. The recommended alternative consists of dissolve the Mercury in as leaching agent namely, cyanide, hypochlorite or nitric acid and recoverying the Mercury afterwards by means of various metallurgical techniques such as filtration and cementation/ precipitation.

The remedial alternative will be tested in pilot scale studies prior to its full implementation.

Table 3 summarizes the most important information pertinent to SWMU1.

GE_CARIBE000253

TABLE 3: Solid Waste Management Unit No. 1 (SWMU1)

	SWMU
Unit Name	Mercury - Contaminated Landfill
Location	Immdiately west of the plant. See Attachment 14 for location.
Unit Description	110 by 460 feet area; volume of 108,000 cubic feet. See photos 12-14.
Release Control	Storm-water runoff received by the lanfill was diverted by construction of a drain pipe in 1982. There is no containment system for control of releases.
Date Operations Started	1957 - 1969
Current Status	Inactive
Wastes Managed	Processed Defective Mercury buttons
Environmental Setting	Refer to Attachment 16
Release History	Included in the National Pollutant Priority List and has been under the Superfund since 1981.

GE_CARIBE000254

Photo no. 12: Mercury - Contaminated Landfill (to the South)

Photo no. 13: Mercury - Contaminated Landfill (to the North)

GE_CARIBE000257

Photo no. 14: Mercury - Contaminated Landfill (details)

B. SWMU2

SWMU2 has been identified as the Container Storage Area No. 1 (CSA1). It is located outside Building No. 2 at the south-west end of the property. Refer to maps on Attachments 13, and 17 for location of SWMU2.

The east, south and west sides of the unit are constructed of concrete blocks to a height of 36 inches and 5 ft. chainlink fence for a total height of 8 feet. There are 4 gates on the north side of the unit. The unit measures 12 ft. x 40 ft. for a total area of 480 sq. ft. It has concrete sidewalks on all four sides. The floor is constructed of 4 inches thick concrete with three (3) run-off trenches connected to three (3) sumps by 4 in. PVC pipes. The concrete floor and the run-off trenches are a monolithic pour. Run-on or run-off is controlled by concrete walls, run-off trenches and corrugated metal roof. The roof prevents rainfall from falling directly on the unit. Run-on is prevented from entering or leaving the unit by block walls on the east, south and west sides. The sump measures 3 ft. x 3 ft. x 3 ft. for a total volume of 27 cu-ft. They are constructed of 4 inches thick concrete walls and floor.

Refer to Attachment 18 for details of the CSA1 and the sumps. Photos 15 through 18 present different aspects of the unit and its containment system.

The unit has been active since 1980 and will be closed shortly since a Closure Plan was submitted and awaits for public comments. The CSA1 has an estimated maximum capacity of storage of 125, 55 gallon drums. Hazardous wastes stored in the facility include F006 sludge and D007, spent chromate solution from electroplating processes. Copy of Analysis report for the sludge and spent chromate is included in Attachment 19. Estimated annual quantity for both wastes are 12.0T for the sludge and 1.0T for the spent chromate solution.

Since the unit secondary containment for the control of releases seems to be adequate, the probability that any hazardous waste releases from the unit reach the soils and groundwater is considered to be low. Probability of air emmissions from drums is also considered to be low since drums are properly sealed.

Table No. 4 summarizes most important information pertinent to the unit.

GE_CARIBE000258

TABLE 4: Solid Waste Management Unit No. 2 (SWMU2)

SWMU	
Unit Name	Container Storage Area No. 1 (CSA1)
Location	Outside Building No. 2, at the southwest end of the property. See maps on Attachments 13 and 17.
Unit Description	12 ft x 40 ft; 4 in thick concrete floor; 8 feet height; 4 gates on the north side; roof.
Release Control	3 run-off trenches connected to 3 sumps by 4 in. PVC pipes. Sump volume = 27 ft^3; maximum capacity = 125 drums (55 gal.).
Date Operations Started	1980
Current Status	Active, but Closure Plan has been submitted.
Waste Managed	F006 sludge, D007 wastes
Environmental Setting	Low probability of releases to soil, groundwater and air.
Release History	No evidence of release.

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GE_CARIBE000260

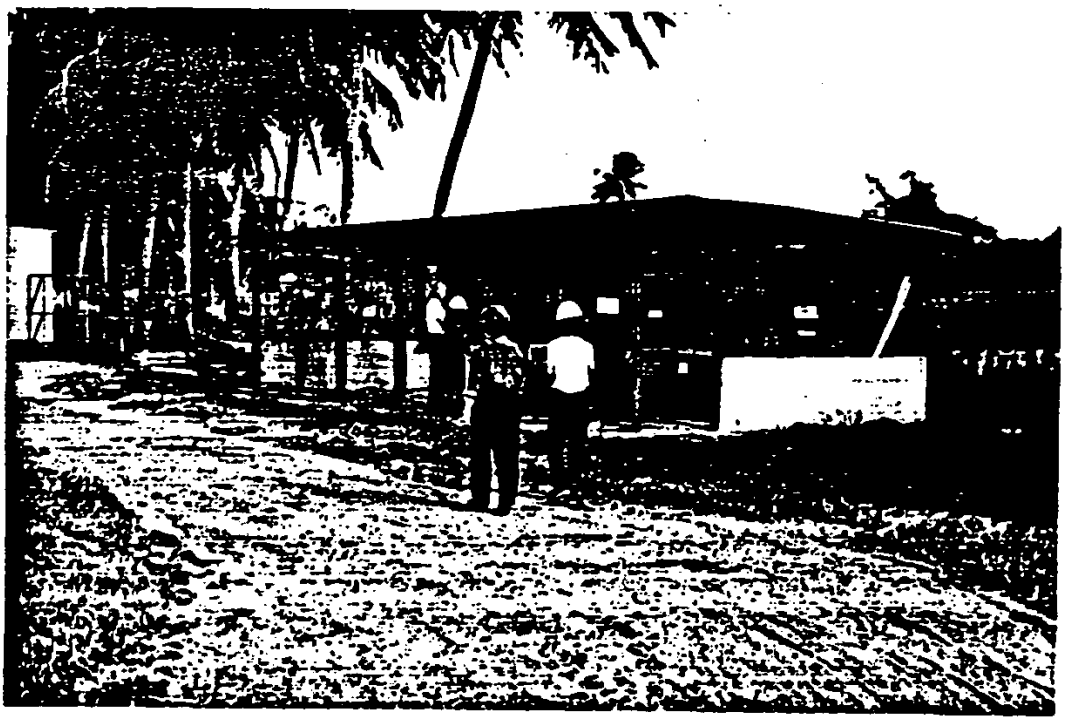

Photo no. 15: Container Storage Area no.1 (CSA1)

Photo no. 16: Container Storage Area no. 1 (CSA1)
(close-up of containment system)

GE_CARIBE000262

Photo no. 17: Container Storage Area no. 1 (CSA1)
(close-up of containment system)

GE_CARIBE000263

Photo no. 18: Sumps of the Container Storage Area no.1 (CSA1)

C. SWMU3

SWMU3 has been identified as the Container Storage Area No. 2 (CSA2). It is located to the south part of the facility. Refer to the map on Attachment 13 for location of SWMU2.

SWMU3 consists of an area of 180 square feet with 3 sides aluminum wall. It is protected from weather by a roof. Photo No. 19 presents a front view of the Container Storage Area.

The unit has a dike of 5 x 25 ft for control of releases. The containment system has a capacity for holding of 500 gallons. It has a concrete floor.

The unit is utilized for storage of non-regulated non-hazardous used oil since 1986. The spent oil is mostly generated from the injection molding machinery. Small quantities of spent oil are generated in the tool room. An estimated annual quantity of 1,980 gallons of spent oil is managed in the unit.

Any accidental spill within the area is managed using absorbent material within the containment system. During the site visit inspection, absorbent material with oil stains was observed within the CSA dike. Since the unit's containment system and management of releases seems to be adequate, potential for soil and groundwater contamination is considered to be low.

Table 5 summarizes all the most important information related to the SWMU3.

TABLE 5: Solid Waste Management Unit No. 3 (SWMU3)

SWMU	
Unit Name	Container Storage Area No. 2
Location	South part; see Attachment 13
Unit Description	180 sq. ft. area; 3-sides alumminum wall; roof. See photo 19.
Release Control	5 x 25 ft. dike; 500 gal holding capacity.

GE_CARIBE000264

Date Operations Started	1986
Current Status	Active
Wastes Managed	Non regulated non-hazardous used oil.
Environmental Setting	Low Potential for soil/groundwater contamination.
Release History	Absorbent material with oil stains within the dike were observed during the site visit.

GE_CARIBE000265

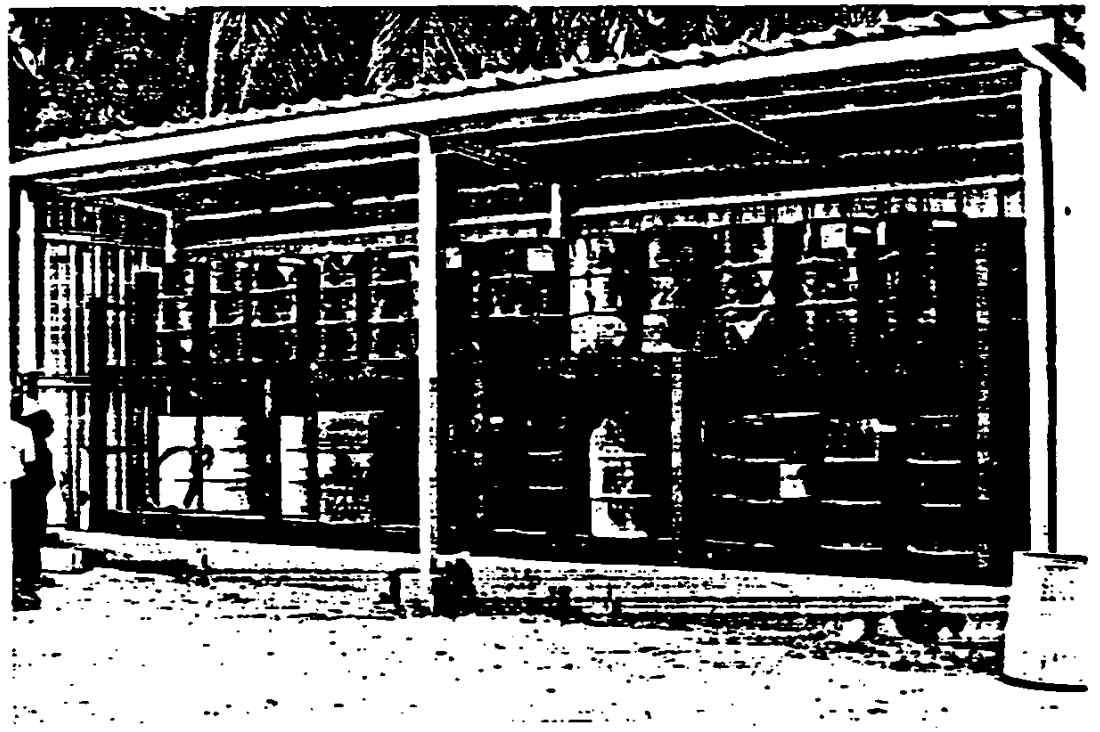

Photo no. 19: Container Storage Area no.2 (CSA2)
(front view)

D. SWMU 4

SWMU4 has been identified as the Container Storage Area No. 3 (CSA3). It consists of two outdoors areas, Area No. 1 is located between buildings No. 1 and No. 2 near the shipping dock and Area No. 2 is located at the south part of the property. Refer to map on Attachment 13 for location.

Area 1, protected by roof has concrete floor and is used to store brass scrap. It is fenced around its perimeter. Area 2 is used to store Cold Rolled Steel. It is an area of 636 sq.-ft. with a 100 drums capacity. Drums in this area are covered with a plastic bag to avoid getting water inside when it rains. Photo 20 present a front view of the CSA3, Area 2.

The unit start on 1981 and it is still active. An estimated annual quantity of 360 tons of metal scrap is managed at the unit.

The unit has no containment system because nature of waste managed at the unit does not worth it. However, during inspection performed on December 21, 1988 and on February 8, 1989, Area 2 was being utilized for storage of raw materials such as Sodium Hydroxide, Sodium Metabisulfide, Zinc Chloride, Copper, Boric and, Calcium Chloride, among others.

Since the unit has no containment system, any accidental spill of any raw material could reach the soil around the unit. However due to the low permeabilities attributable to the site soils, potential that releases could reach the groundwater is considered to be low.

Table 6 summarizes most important information related to the SWMU4.

TABLE 6: Solid Waste Management Unit No. 4 (SWMU4)

	SWMU
Unit Name	Container Storage Area No. 3
Location	Area 1 - between buildings No. 1 and No. 2, near shipping dock. Area 2 - south part. See Attachment 13.
Unit Description	Area 1 - roof, concrete floor, fence around its perimeter Area 2 - 636 sq. ft.

GE_CARIBE000267

Release Control	No Containment System.
Date Operations Started	1981
Current Status	Active
Wastes Managed	Brass Scrap and Cold Rolled Steel swap.
Environmental Setting	Potential for soil contamination. Low potential for groundwater contamination.
Release History	Release potential exists due to the fact that raw materials has being stored at CSA3, Area 2.

GE_CARIBE000268

Photo no. 20: Container Storage Area no.3 (CSA3), Area 2
(Note that the unit was utilized for storage
of Raw Materials)

E. SWMU5

SWMU5 has been identified as the Wastewater Treatment unit no. 1 (WWT-1). It is located next to Building No. 2 to the south part of the facility. Refer to map on Attachment No. 13 for location.

The unit consists of an open aboveground tank made of fiberglass material. It has a volume of 125 gallons. It has been in operations since 1971 and was in used till December, 1988. Water and sludge remaining in the tank will be transferred to the New Wastewater Treatment Plant by a pump.

WWTT1 is part of the facility's wastewater treatment plant and it is utilized for chromates oxidation - reduction process. Hexavalent chrome from the electroplating process is chemically reduced to tri-valent chrome in WWTT1 by addition of a mixture of sodium metabisulfite and sulphuric acid to control pH in the tank. An annual quantity of 230,000 gals. is estimated to be managed in WWTT1.

The tank unit is placed within a containment system in a manner resembling a basement. Refer to photo 6 and 7 to get a perspective of the Wastewater Treatment Plant.

Since the containment system as well as the tank are old structures, there is a potential of chromates releases into the soil. Releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site.

Table 7 summarizes most important information of SWMU5.

TABLE 7: Solid Waste Management Unit No. 5 (SWMU5)

	SWMU
Unit Name	Wastewater Treatment Tank No. 1 (WWTT1).
Location	Next to Building No. 2; to the south. See Attachment 13.
Unit Description	Aboveground tank; fiberglass; 125 gal. volume capacity.
Release Control	Containment system resembling a basement. See photos 6 and 7.

GE_CARIBE000270

Date Operations Started	1971
Current Status	Active till December 1971
Waste Managed	Hexavalent chrome from electroplating process.
Environmental Setting	Potential release to soil and groundwater (low).
Release History	No evidence reported.

GE_CARIBE000271

Photo no. 6: Old Wastewater Treatment Plant
(In the second level, there is one container for Sodium Metabisulfite Solution and one container for Sulphuric Acid)

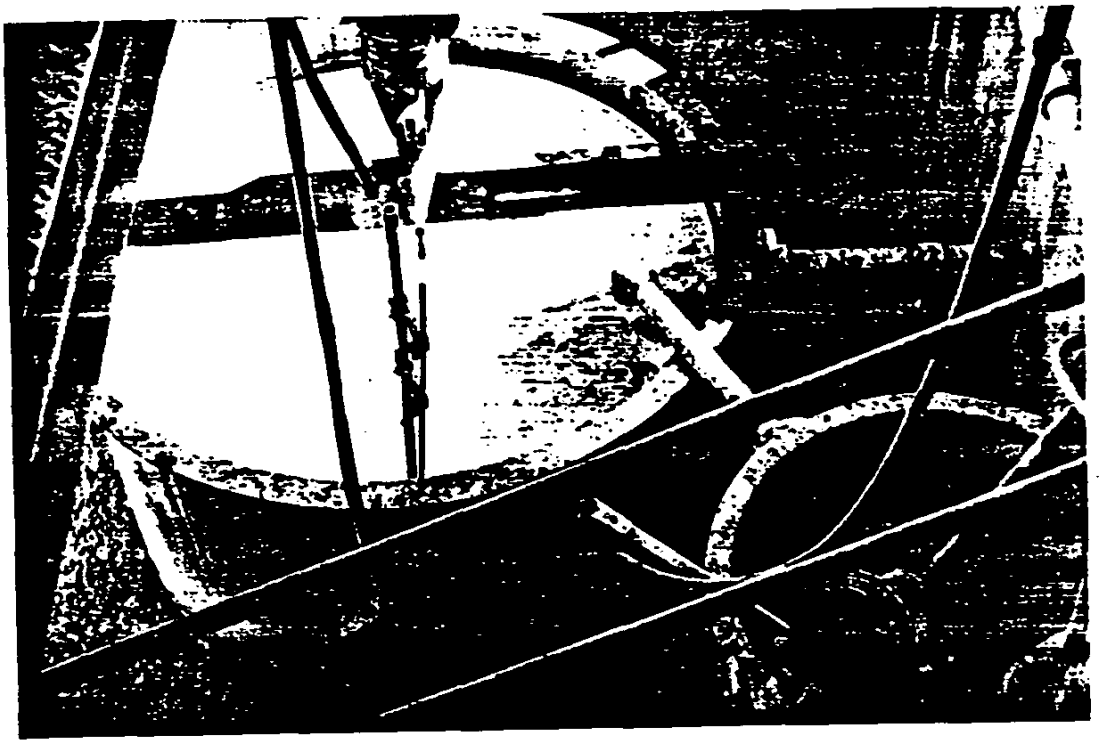

Photo no. 7: Old Wastewater Treatment Plant
(In the first level, there is the neutralization tank and the chromate-reduction tank which is the small one)

F. SWMU6

SWMU6 is identified as the Waste Water Treatment Tank No. 2 (WWTT2). It is located next to Building No. 2 to the South part of the facility. Refer to map on Attachment No. 13 for location.

The unit consists of an open aboveground tank with a volume capacity of 500 gallons. It has been in operations since 1971 and was in used till December, 1988. Water and sludge remaining in the tank will be transferred to the New Wastewater Treatment Plant by a pump.

WWTT2 is part of the facility's Wastewater Treatment Plant and it is utilized for neutralization of the electroplating wastewaters and chromate reduction wastewaters. The reduced chromium wastes consisting of trivalent chromium at pH 2.0 flow to the neutralization tank for combined treatment with non-chromates wastes which consists of concentrated acid and/or alkali wastes from the periodic dumping of spent baths along with dilute wastes from rinses following all non-chromate solutions. A pH of 8.5 is maintained in the neutralization tank by addition of caustic soda. An annual quantity of 1,382,000 gallons is estimated to be managed in WWTT2.

The tank unit is placed within a containment system in a manner resembling a basement. Refer to photos 6 and 7 to get a perspective of the Wastewater Treatment Plant.

Since the containment system as well as the tank are old structures, there is a potential of wastewaters releases into the soil. Releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site.

Table 8 summarizes most important information of SWMU6.

GE_CARIBE000274

TABLE 8: Solid Waste Management Unit No. 6 (SWMU6)

SWMU	
Unit Name	Wastewater Treatment Tank No. 2 (WWTT2)
Location	Next to Building No. 2; to the south. See Attachment 13.
Unit Description	Open-aboveground tank; 500 gallons volume capacity.
Release Control	Containment system resembling a basement. See photos 6 and 7.
Date Operations Started	1971
Current Status	Active till December 1988
Waste Managed	Reduced chrome wastes and non-chromate wastes.
Environmental Setting	Potential releases to soils and groundwater (low).
Release History	No evidence reported.

GE_CARIBE000275

G. SWMU7

SWMU7 has been identified as the Wastewater Treatment Tank No. 3 (WWT-3). It is located next to Building No. 2 to the South part of the facility. Refer to map on Attachment No. 13 for location.

The unit consists of a large underground settling tank. The tank is made of reinforced concrete and have a volume capacity of 6,000 gallons. Refer to Attachment 21 for detailed drawings of the tank. Photo No. 8 shows the aperture of the tank. It has been in operations since 1971 and was in used till December, 1988. Sludge remaining in the tank is being transferred to the New Wastewater Treatment Plant by a pump.

WWTT3 is part of the facility's wastewater treatment plant and it is utilized for removal of all the undesirable solids prior to a gradual metering of the neutral wastewater into the sewer system. Wastewaters from Treatment plant are analyze twice a year and results are informed to PRASA. Refer to Attachment 3 for a copy of last report. F006 sludge is generated during the sedimentation of the solids. Refer to Attachment 19 for a copy of an analysis report of the sludge.

The unit has no release control.

Since the tank walls are old structures, there is a potential of F006 waste and wastewaters releases into the soil. Releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site.

Table 9 summarizes the most important information of SWMU7.

GE_CARIBE000276

TABLE 9: Solid Waste Management Unit No. 7 (SWMU7)

SWMU	
Unit Name	Wastewater Treatment Tank No. 3 (WWTT3)
Location	Next to Building No. 2; South part; See Attachment 13.
Unit Description	Large underground settling tank; reinforced concrete walls; 6,000 gallons volume capacity. See Attachment 21 and photo no. 8.
Release Control	None
Date Operations Started	1971
Current Status	Active till December 1988
Waste Managed	Neutral Wastewater; F006 sludge.
Environmental Setting	Release potential to soils and groundwaters (low).
Release History	Tank cannot visually inspected.

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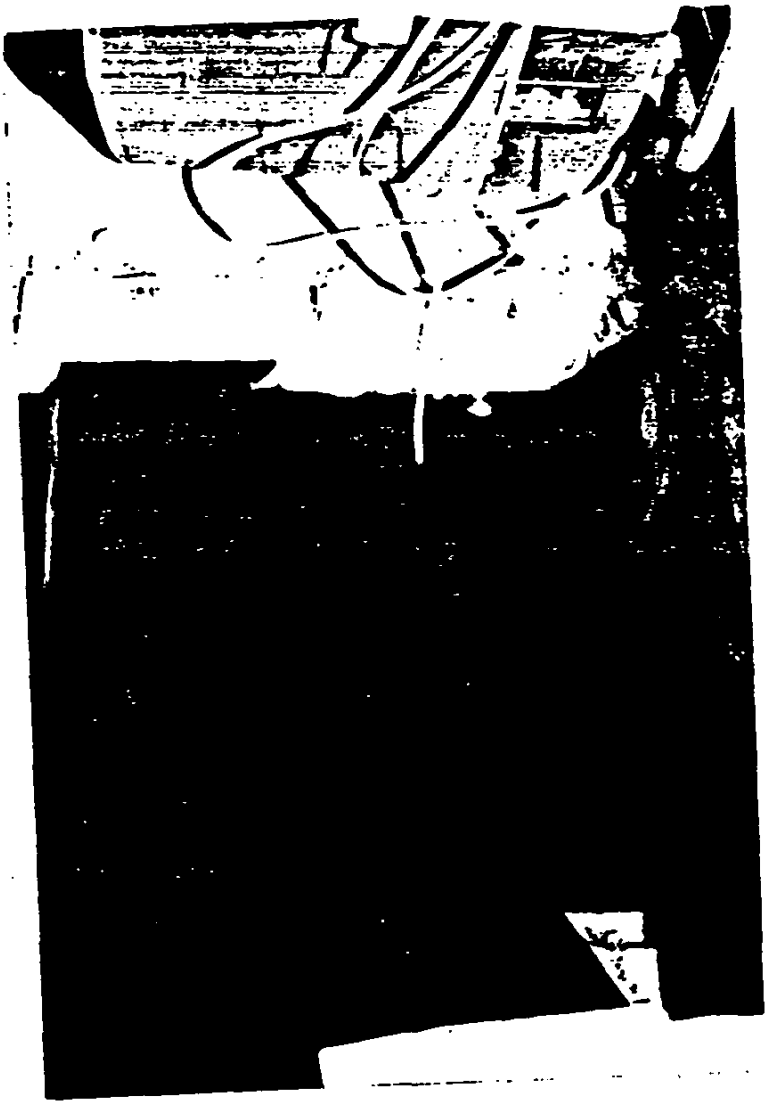

Photo no. 8: Aperture of the underground settling tank, Wastewater Treatment Tank no. 3 (WWT-3) (Old Wastewater Treatment plant)

VI. Areas of Concern

A. AOC1

Area of Concern No. 1 consists of a Satellite area utilized for destripping of brass pieces. The satellite area is located in the electroplating area.

The operation is performed in a small metal tank every 6 months or every year as necessary. Refer to photo No. 1 for picture of the tank.

A tin sludge is generated at the tank. By the time of the inspection (December 21, 1988), a tank and a drum were found half full of tin sludge. Accumulation date could not be determined. However, on a re-inspection performed on February 8, 1989 tin sludge from both containers were mixed and stored at the CSA1 while characterization of the waste was completed.

Since this operation is not routinely performed, there was a concern about the maldisposition of the tin sludge.

B. AOC2

Area of concern No. 2 consists of the Electroplating area. The area is located next to building No. 2 to the south part of the facility.

The electroplating of pieces is carried in different tanks depending upon the kind of plating finish desired for the pieces. Refer to Attachment 25 for a scheme of the electroplating area.

During visual site inspection performed on December 21, 1988 and February 8, 1989 bases of tanks were observed to be corroded and lines from most of the tanks were leaking. Nickel buildup were observed in the outlet of the Nickel tank and over the concrete floor. Refer to photos 2,3, 5 and 10 for evidence of field observations.

Although some of the leaks are canalized through channels into the Old Wastewater Treatment Plant, there is a potential of soil contamination from leakings and metal build up.

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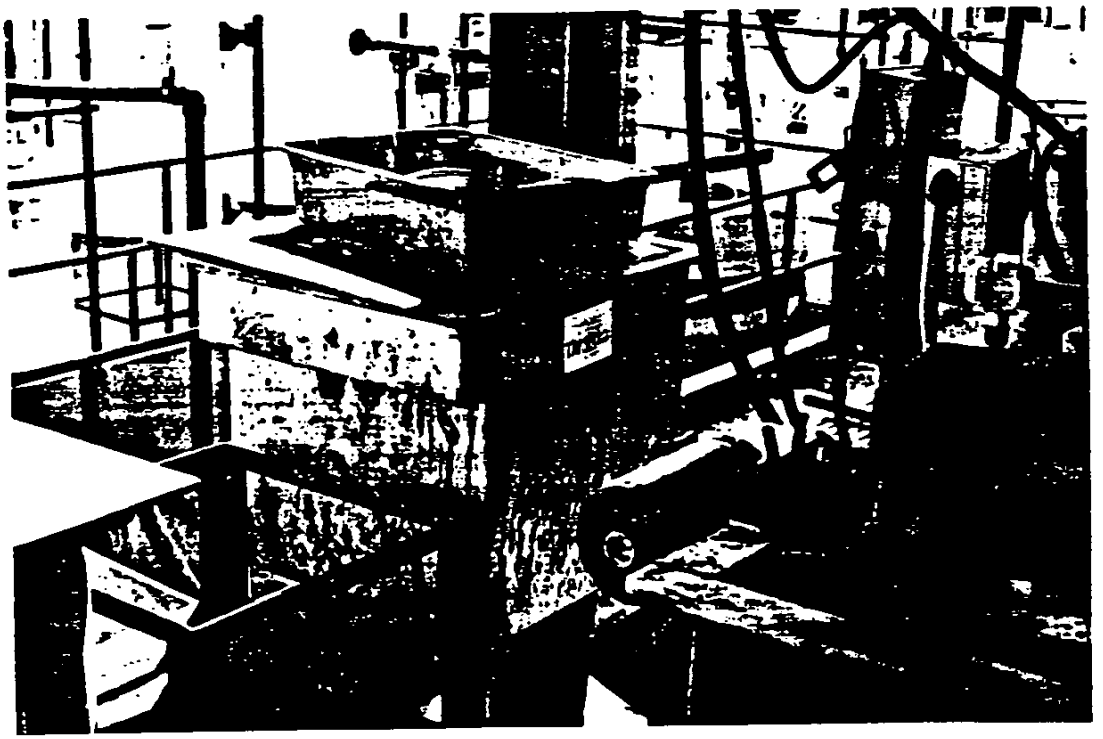

Photo no. 1: Tin Sludge Tank (Satellite Area for destripping of brass pieces, AOC1)

Photo no. 2; Nickel buildup over the concrete floor and tank outlet valves, (Electroplating Area, AOC2)

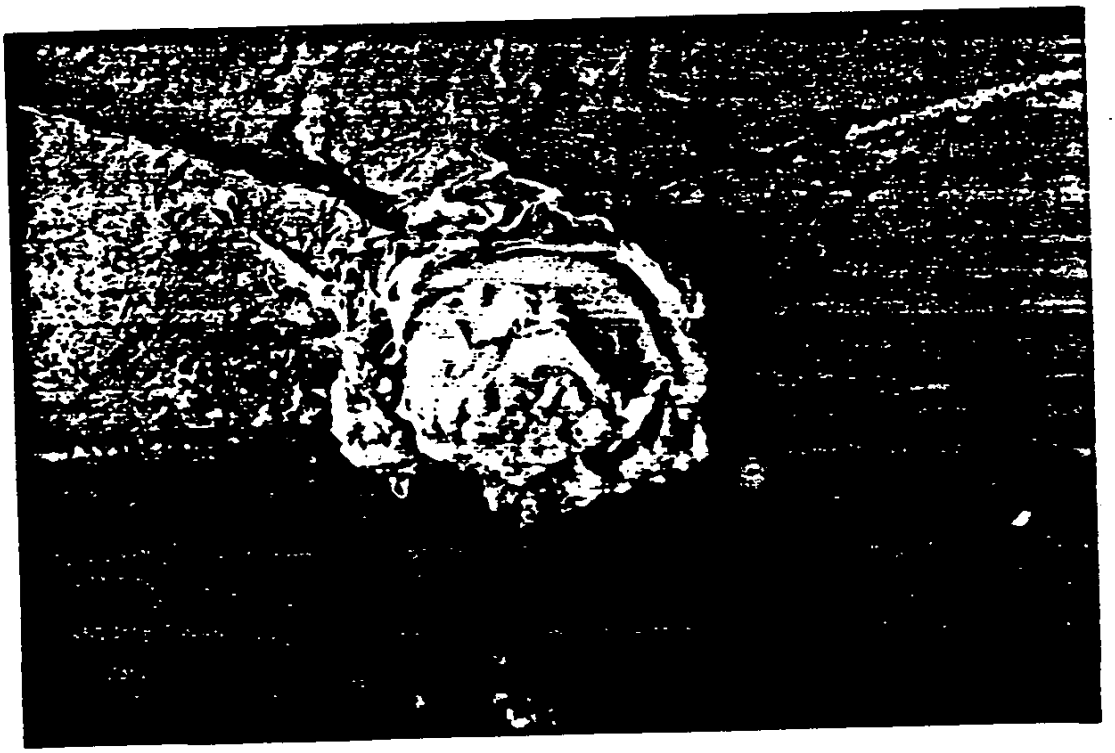

Photo no. 3: Nickel buildup in the outlet valve of the Nickel tank. (Closed-up)

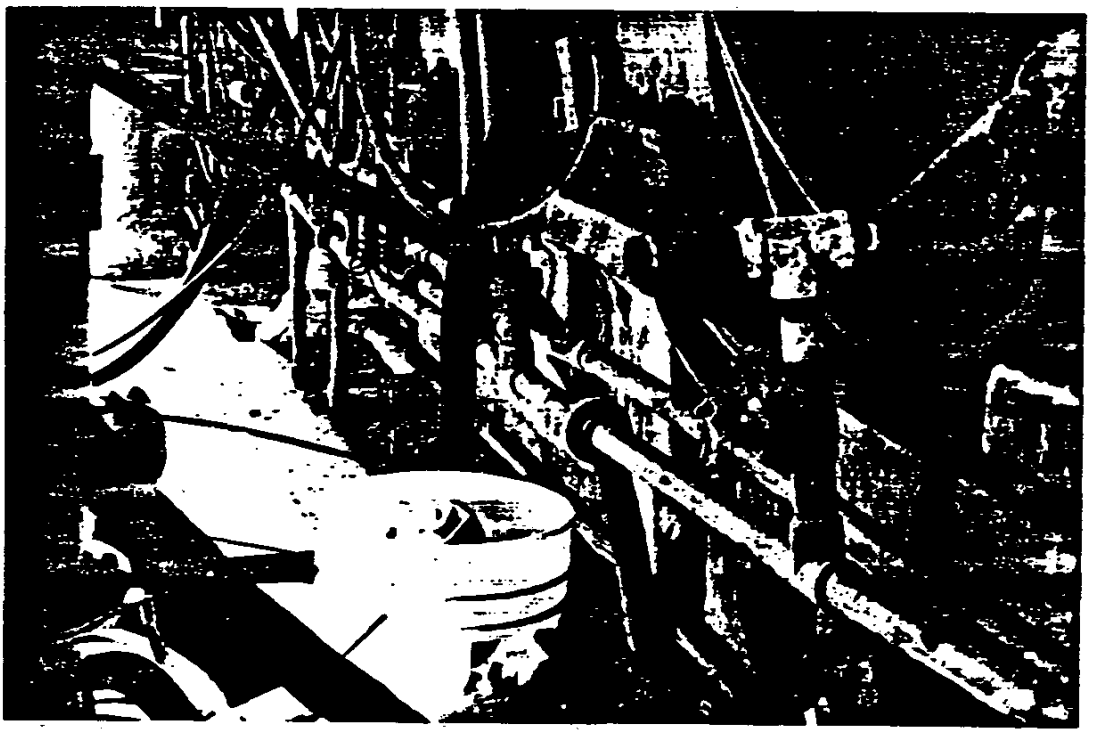

Photo no. 10: Electroplating Area, AOC2
(leaks from electroplating tank lines)

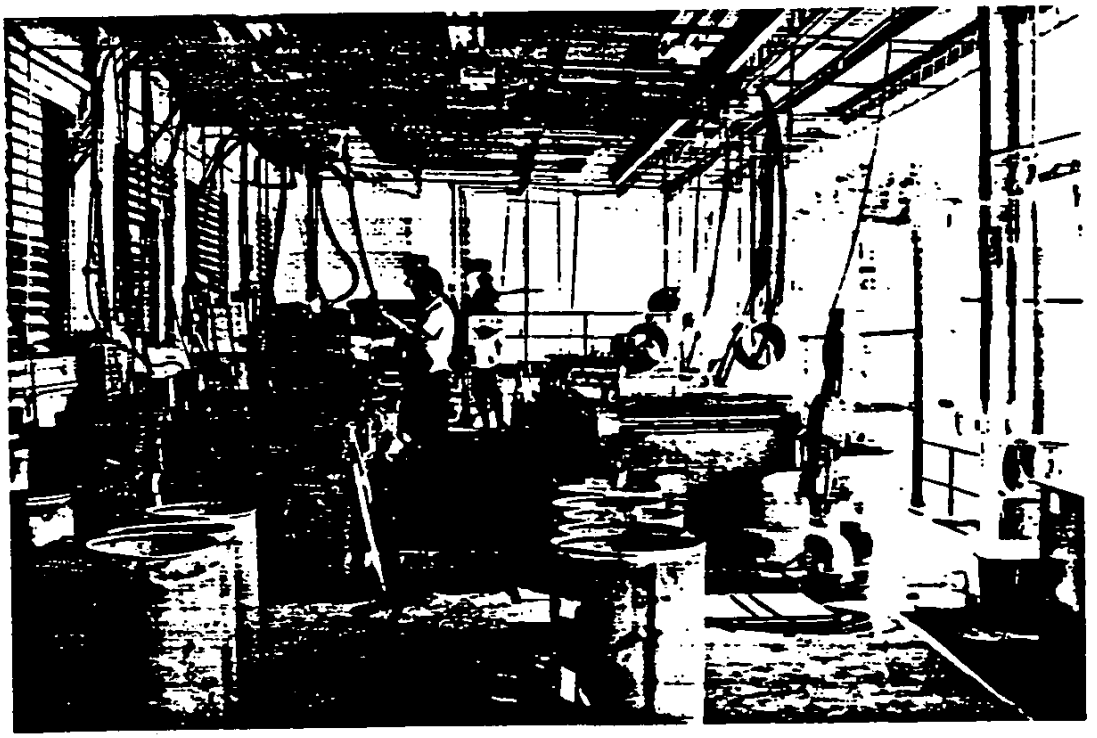

Photo no. 5 : Electroplating Area, Area of Concern no. 2 (AOC2)

VII. Conclusions and Further Actions

Seven (7) Solid Waste Managements Units (SWMU's) and two (2) Areas of Concern (AOC) have been identifed at Caribe General Electric Products, Inc. of Juana Díaz, Puerto Rico (PRD090282757) as part of the RCRA Facility Assessment (RFA) performed to the Company on December, 1988.

Identified units include the followings:

a) SWMU1 - Mercury contaminated landfill
b) SWMU2 - Container Storage Area No. 1 (CSA1)
c) SWMU3 - Container Storage Area No. 2 (CSA2)
d) SWMU4 - Container Storage Area No. 3 (CSA3)
e) SWMU5 - Wastewater Treatment unit No. 1 (WWTT1)
f) SWMU6 - Wastewater Treatment unit No. 2 (WWTT2)
g) SWMU7 - Wastewater Treatment unit No. 3 (WWTT3)
h) AOC1 - Sattelite area for destripping of brass pieces
i) AOC2 - Electroplating area

Each unit presents different potentials of releases to the environmental media. Following is a summary of each unit release potential and their respective recommendations for corrective actions:

1) SWMU1 - as a Superfund site soil contamination with mercury has been established. Remedial action has been chosen to be a Hydrometallurgical Treatment. Wastes generates from the implementation of the remedial actions should be manifested and disposed of as hazardous waste as per RCRA requirements.

2) SWMU2 - has low potential of release to soil, ground-water and air due to the adequacy of its secondary containment system. No further action is required at this time.

3) SWMU3 - has low potential of release to soil and groundwater due to the adequacy of its secondary containment system and management of accidental spills. No further action is required at this time.

4) SWMU4 - Since Area 2 of SWMU4 has been utilized for storage of raw materials and the area has no containment system, there is a potential of releases to the soil. Release potential to groundwater is considered to be low due to the low

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permeabilities attributable to the site soils. It is recommended that the area should be solely utilized for the storage of metal scrap. A memorandum will be sent to the Inspection, Monitoring and Surveillance (IMS) Section of EQB's Hazardous Waste Division in order to inform them of the situation and make the company complies with the recommendation. Refer to Attachment 27 for copy of the memo.

5) SWMU5 - has a potential of chromates releases into the soil due to the fact that the unit containment system as well as the tank are old structures. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed.

6) SWMU6 - has a potential of wastewater releases into the soil due to the fact that the unit containment system as well as the tank are old structures. However releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed.

7) SWMU7 - has a potential of F006 waste and wastewaters releases into the soil due to the fact that the tank walls are old structures. However, releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed.

8) AOC1 - There is a concern about the maldisposition of the tin sludge. A memorandum should be sent to the Inspection, Monitoring and Surveillance Section of the EQB's Hazardous Waste Division informing them the situation to watch that the company disposed of the sludge in an appropriate manner. Refer to Attachment 27 for copy of the memo.

9) AOC2 - has a potential of soil contamination due to leakings and metal buildups from the electroplating tanks. A memorandum should be sent to the Inspection, Monitoring and Surveillance Section of the EQB's Hazardous Waste Division informing them the situation in order to insure that the company repairs leaking lines and corroded tanks. Refer to Attachment 27 for copy of the memo.

Table 10 summarizes the potential release pathways and further actions recommended for each identified unit.

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TABLE 10: Summary of Potential Release Pathways and Further Actions

UNIT	UNIT NAME	POTENTIAL RELEASE PATHWAYS	FURTHER ACTION
SWMU1	Hg-Lanfill	Soil, Groundwater	Hydrometallurgical Treatment; manifest and disposed of hazardous wastes generates during remedial action.
SWMU2	CSA1	Low potential to soil, groundwater and air	No further action
SWMU3	CSA2	Low potential to soil and groundwater	No further action
SWMU4	CSA3	Soil; low to groundwater	Memo to IMS section to make that CSA3 be utilized solely for metal scrap storage. See Attachment 27.
SWMU5	WWTT1	Soil	Develop procedure for decontamination.
SWMU6	WWTT2	Soil; low to groundwater	Develop procedure for decontamination.
SWMU7	WWTT3	Soil; low to groundwater	Develop procedure for decontamination.
AOC1	Sattelite Area (Brass Destripping)	Maldisposition of in sludge	Memo to IMS section to watch company disposed of sludge appropriately. See Attachment 27.
AOC2	Electroplating Area	Soil	Memo to IMS section to insure company repairs leaking lines and corroded tanks. See Attachment 27.

GE_CARIBE000287

REFERENCES

1) "Comments on the RFA Report for Corporación Sublistática", EPA - Region II, 1988.

2) RCRA Facility Assessment Guidance, US Environmental Protection Agency, Washington, D.C.

3) Report Submittal Hydrogeological Investigation, Waste Fill Area, Juana Díaz, Puerto Rico, Law Engineering Job number MH1223, June 19, 1981.

4) Toxic and Hazardous Industrial Chemicals Safety Manual, The International Technical Information Institute, Japan, 1981.

5) Geologic Map of the Ponce Quadrangle, Puerto Rico Map I-683 by Richard D. Krushensky and Watson H. Monroe, 1975.

ATF/eas

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7C

PRD 090 287 757

ATTACHMENT 1

57-01-0329

ENVIRONMENTAL QUALITY BOARD
OFFICE OF THE GOVERNOR
SOLID WASTE PROGRAM

INDUSTRIAL HAZARDOUS AND TOXIC WASTE STUDY

GENERAL INFORMATION

Industry Name: GENERAL ELECTRIC WIRING DEVICES INC.

Local Address: ROAD 149 km. 672 BO. LOMAS JUANA DIAZ, P.R.

Postal Address: P.O. BOX D

837-2500

Telephone Number: 837-2600, -2500, Ponce. 843-1718

Type of Industry: MANUFACTURING (ELECTRICAL)

Principal Product: WIRING DEVICES

~~Owner of~~ General Manager: T. EDWARD MOSLEY GEN. MANG.

Person (s) Responsible for the Hazardous ~~or Toxic~~ Waste Management: SP CARMELO VIERA MFG. ENG.

Total Number of Employees: 225 ≈ 250

Number of Employees Working Directly with the Hazardous ~~or Toxic~~ Wastes: 2

STORAGE FACILITIES

I RAW MATERIAL UREA. Steel. Al. Brass.

A) Storage Station

Location INSIDE - steel, Al. Brass. + OUTSIDE - UREA

Condition

Containers PACKED

Comments Chem - Fuzzy

II Hazardous and Toxic Wastes Storage or Re-use

A) Storage

Containers:

Type N.A.

Location N.A.

B) Re-use

Description COOLING WATER, RECYCLING OF METALS.

NYLON - GRINDING AND REUSE.

Collection Facilities

( ) Municipal System

( ) Same Industry _____ Licence # _____

(✓) Private System SOUTHER WASTE DISP. Licence # _____ (See file

Other _____

Equipment Description: COMPACTION TRUCK.

Collection Frequency DAILY / 5 DAYS

FINAL DISPOSAL OF TREATMENT

SITE ON	SITE OFF		SITE ON	SITE OFF	
( )	( )	Open Burning Dump	( )	( )	Open Dump
( )	(✓)	Land-fill DONCE.	( )	( )	Mine Disposal
( )	( )	Incineration	(✓)	(✓)	METALS Recovery & Re-use NYLON.
( )	( )	Compaction .	( )	( )	Lagooning as ultimate disposal
( )	( )	Ocean Dumping	(✓)	( )	Chemical & ~~Biological~~ Detoxification TREATMENT. PLANT.
( )	(✓)	Sanitary Sewage AFTER TREATMENT.	( )	( )	Other.

System Description : [illegible], H_2SO_4, [illegible], FOR NEUTRALIZING. SEE

Comments: WILL SEND COPY OF THE ANALYSIS OF THE SLUDGE. AND EFFLUENT. CALIBRATION OF INSTRUMENTS EVERY MONTH.

Special Treatment : BAKER BROS SYSTEMS ENG.

Comments : ANNEX INFO. OF TREATMENT PLANT.

Person Interviewed : T. EDWARD MOSLEY - [illegible] VIERA

Position: GEN MANG. MFG. ENG

Date : MARCH 20, 197[illegible]

Oficial : [illegible] EQA S.W.P.

Industry Name: S.I.C. & Grouping: Principal Product: Waste Identifier: G L S Constituents:	Production	Concentration (ppm %)	T.L.V. (ppm)	Provisional Limit (E.P.A.)			Health Hazard								Environmental Hazard			Physico - Chemical Characteristics	Recommended Treatment
							Acute				Chronic								
				Air	Water	Soil	Local		Systemic		Local		Systemic		Fire	Explosion	Disaster		
							T	TR	T	TR	T	TR	T	TR					

Health Hazard Analysis

T	Toxicity	T.R.	Toxicity Rating
AR	Allergen	U	Unknown
IRR	Irritant	0	No toxicity
ING	Ingestion	1	Slight Toxicity
INH	Inhalation	2	Moderate Toxicity
S.A.	Skin Absorption	3	Severe Toxicity

Environmental Hazard Value
Fire, Explosion and Disaster

0	None
1	Slight
2	Moderate
3	Dangerous

BAKER BROS.
SYSTEMS ENGINEERING AND MANUFACTURING CORPORATION • RT. 138 CANTON, MASSACHUSETTS 02021 6177828-4100

G.E. Wiring Devic

GENERAL ELECTRIC WIRING DEVICES INC.

JUANA DIAZ, PUERTO RICO

PLATING WASTEWATER TREATMENT

BAKER BROS. JOB #WG6-1012

REF. DWG. C21036

SUPPLEMENT #1

9 MARCH 1971

BAKER BROS.
SYSTEMS ENGINEERING AND MANUFACTURING CORPORATION • RT. 138 CANTON, MASSACHUSETTS 02021 617/828-4100

General Electric Wiring Devices, Inc. March 9, 1971

The Chrome reduction system is based on a flow of 5 GPM.

The Neutralization system is based on a flow of 35 GPM.

The system is designed to:

a) Chemically reduce the hexavalent chrome to tri-valent chrome and to neutralize, precipitate and settle these wastewaters. We expect an effluent containing less than 1.0 ppm of chrome.

b) Effluent pH will be controlled to maintain a pH in the total combined effluent of 8.5. This pH will insure precipitation of heavy metals for removal in the settling tank.

GENERAL ELECTRIC WIRING DEVICES, INC.

JUANA DIAZ, PUERTO RICO

MPI

SUBJECT		DATE EFFECTIVE	NO.
WASTE TREATMENT		9-1-74	1.12
PREPARED BY	APPROVALS	SUPERSEDES NO. DATE NEW	PAGE OF
F.Lopez-Cepero	T.E.Mosley,Pres. : C.Viera,Mgr.Mfg.Eng.:		1 9

I. SCOPE:

This instruction describes the operation of the equipment in the waste treatment area.

I. Scope
II. Safety
III. Process Description
IV. Control Console
V. Dump Tanks
VI. Chemicals for Treatment
VII. Metering Pump Settings
VIII. Maintenance

II. SAFETY:

~~There are tanks in this system that contain, alkalies, acids and caustic soda,~~ extreme care should be taken when working around these tanks. Should anyone come in contact with these, they should flush the area with large volumes of water.

III. PROCESS DESCRIPTION:

All the waste waters from the plating facility are classified into three categories: 1) concentrated chromates. 2) Diluted chromates and 3) non-chromate waters. The system has three separate drainage systems; - one for each of the above classifications with its own set of holding tanks, metering pumps and monitoring equipment. The waste waters from each of these systems are metered to a neutralization tank where necessary additives are added to neutralize these solutions and from here the neutral waste water flows into a large underground settling tank where all the undisirable solids are removed prior to a gradual metering of the neutral waste water into the sewer system.

This system is based on taking the water from the chromate rinses or from dumping the chromate tank, collecting them and reducing the chromates to trivalent chrome in a sump tank adjacent to the chrome dump tank. This chromate

III. Process Description (cont'd)

reduction is carried out using sodium metabisulfite while maintaining the ph at approximately 2.5. This treated water is then added to water from the acid and alkaline rinse stations and neutralized to a ph of 8.5 by automatic additions of caustic solution. At this ph, any metals or trivalent chrome remaining in solution will be precipitated out as harmless chromates in the form of suspended solids. (See Exhibit "A").

IV. CONTROL CONSOLE:

The control console is the heart of the waste treatment system and being so, it should be treated as such. Following is a brief description of what controls it contains and what they do. (See Exhibit "B").

A. Alarms:

1. High level Acid Dump Alarm Light- This light will go on when the level in the acid dump tank high.

2. High Level Alkaline Dump Alarm - This light will go on when the level in the alkaline tank is high.

3. High level chrome dump alarm - This light will go on when the level in the chrome dump tank is high.

4. Neutralization Ph Alarm - This light will go on when the neutralization Ph is too high or too low.

5. Chrome Ph Alarm - This light will go on when the chrome Ph is too high only.

6. Chrome ORP Alarm - This light will go on when the chrome ORP is high.

7. Low Level Caustic Soda - This light will go on when the level in the drum is low - approximately 6" of soda left.

8. Low level Acid Alarm - This light will go on when the level in the drum is low approximately 6" left.

Whenever an alarm light goes on, it will automatically sound an audible alarm, which, must be silenced by pressing the alarm silence button followed by the appropriate fault by-pass switch.

IV. Control Console: - (cont'd)

B. Fault By-Pass and Alarm Lamp Test

1. Each set of alarm lights has an alarm or fault by-pass and alarm test switch.

2. Alarm by-pass switch is used when the alarm sounds to disconnect it from the system so that if it has to sound again it can.

3. Alarm Lamp Test Switch is a push button switch to allow for checking the alarm lamps.

C. RECORDERS/CONTROLLERS

1. Neutralization Ph Recorder - is a 24-hour circular chart recorder, that graphically indicates the Ph in the neutralization tank.

2. Chrome Ph Recorder is a 24-hour circular chart recorder that graphically indicates the Ph in the chrome reduction tank.

3. Chrome ORP Recorder is a 24-hour circular chart recorder that graphically indicates the ORP level in the chrome reduction chart.

D. MAIN POWER AND INPUT CONTROLS

1. Main Power input switch - this turns on or off the power coming into the cabinet.

2. Power on Light - This goes on when the power switch is in the "on" position

3. Ready/Prime Light - This light is for a special accessory which we do not have.

4. Cabinet Fault or System Fault Light - This light tells where there is a fault, whether in the system or in the cabinet.

5. Alarm test and Silence Switch - This will test the alarm and also silence it when there is a fault.

D. Main Power Input (cont'd)

6. Start and Stop Switch - This will either start the system or stop it.

7. Circuit Breaker - the system has three circuits with its own set of breakers.

E. Pumps:

1. Acid feed Pump Switch - This turns the pump on or off.

2. Chrome Dump Pump Switch - This turns pump on or off. This switch should always be in the "Auto" position when the pump is on.

3. Acid Dump Pump Switch - This turns pump on or off. This switch should always be in the "auto" position when the pump is on.

4. ~~Bisulfite feed Pump Switch - This turns the pump on or off~~

5. Caustic soda feed (NAOH) - This turns the pump on or off. This should always be in the "auto" position when the pump is on.

6. Alkaline Dump Pump - This turns the pump on or off. This switch should always be on the "auto" position when the pump is on.

F. Mixers:

7. Chrome Reduction Mixer - This switch should always be in the "on" position when the system is operating.

8. Bisulfite Mixer - This mixer is used only when mixing a new batch of Bisulfite solution. Otherwise, it should be in the "off" position.

9. Neutralization Mixer - This switch should always be in the "on" position when the system is operating.

G. Start-Up of Console:

1. Turn main power switch "on".
2. Push Start Button

G. Start Up of Console (cont'd)

3. Start all pumps.
4. Start chrome and neutralization mixers.

H. Shut-Down of Console

1. Turn all pumps and mixers off.
2. Push "Stop" button.
3. Turn main power switch off.

I. Power Failure Procedure

1. When power resumes, push start button.
2. If power failure is longer than five minutes shut down the console and re-start upon the restoration of power.

V. DUMP TANKS:

The dump tanks are used when the acid, alkaline soak, electrocleaner or chromate solutions have to be changed. They are filled by use of the portable Vanton pump.

CHEMICALS FOR TREATMENT

In treating waste water three chemicals are involved and are used as follows:

1. Bi Sulfite is mixed to a solution of approximately one pound per gallon. It is used to reduce the Hexavalent Chrome to Trivalent Chrome, in the Chrome Reduction Tank.
2. Liquid Caustic Soda (NAOH-Drawn from the 55 gallon drum in which it was purchased. It is used to control ph in neutralization tank.
3. Sulphuric Acid - drawn from the 55-gallon drum in which it was purchased. Used to control ph in chrome reduction tank.

VII. METERING PUMPS

There are six metering pumps in the waste treatment system. The three pumps on the dump tanks have a capacity of 6 GPH., while the treatment chemicals have a 2-1/2 GPH capacity.

VII. Metering Pumps - continued

There are six metering pumps in the waste treatment system. The three pumps on the dump tanks have a capacity of 6 GPH., while the treatment chemicals have a 2-1/2 GPH capacity.

a. Pump Settings:

1. Chrome Dump set at 80% capacity.
2. Acid Dump set at 60% capacity.
3. Alkaline Dump set at 60% capacity.
4. BiSulfite set at 45% capacity.
5. Caustic soda set at 45% capacity.
6. Sulphuric Acid set at 45% capacity.

b. Setting Adjustment:

Adjustment can only be made when the pump is running and only by someone authorized to do so.

VIII. MAINTENANCE SCHEDULE

a. Daily - Responsibility Q.C. Inspector
1.* Change recorder charts every morning.
2. On chart to be installed, record on the back side
   a. Name of recorder.
   b. Date of Installation.

b. Monthly: Responsibility Outside Service
1. Clean waste treatment electrodes
2. Calibrate all recorders

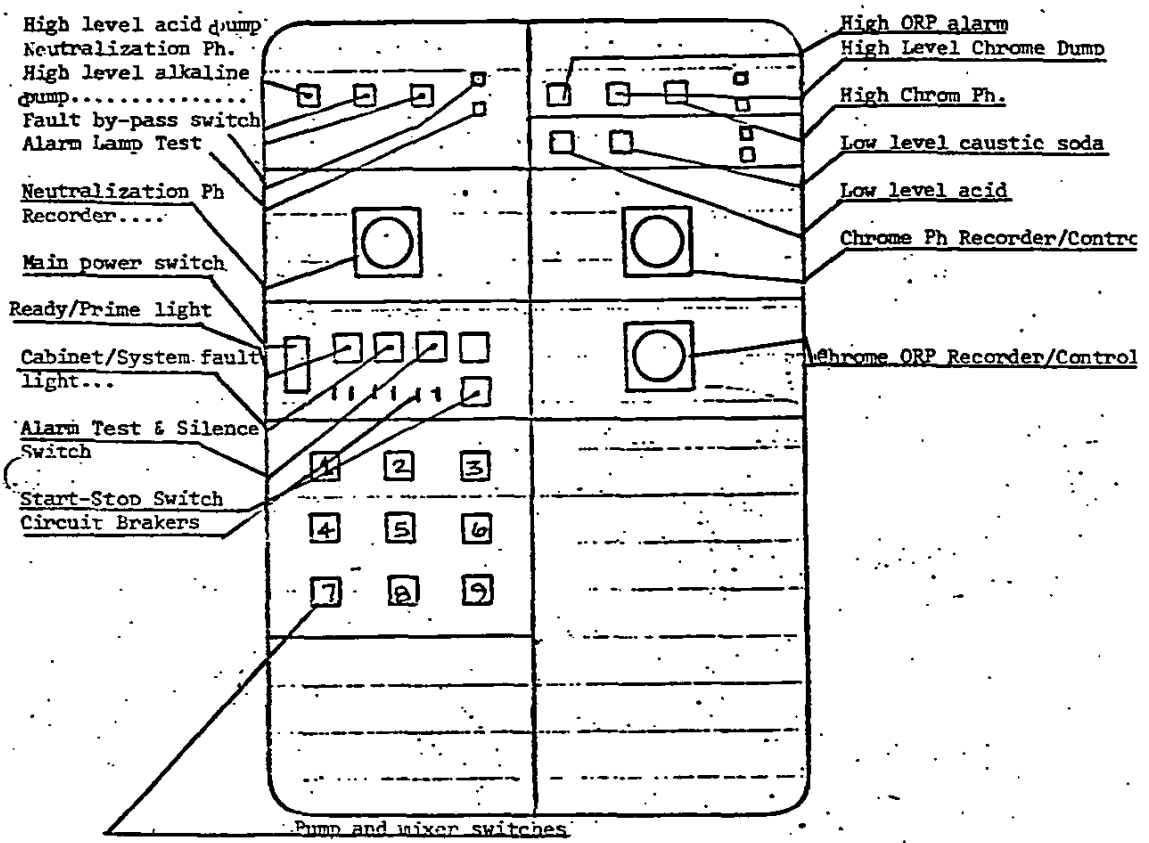
c. Monthly: Responsibility - Maintenance
1. Check and fill oil level in Metering Pumps
2. Check and oil mixers.
3. Repair all necessary equipment at once.
4. Repair all leaks at once.

IX WASTE WATER TREATMENT

For general information about waste water treatment, attached are write-ups by Baker Brothers, supplier of the treatment facilities..

*NOTE: Route the completed chart to ~~me~~ M.E. to be filed as a permanent record.

CONTROL CABINET
WASTE TREATMENT



Pump and mixer switches

1. Acid Feed (Sulphuric) pump
2. Chrome Dump Pump
3. Acid Dump Pump
4. B_ISulfite Feed Pump
5. Caustic Soda Pump
6. Alkaline Dump Pump
7. Chrome Mixer
8. B_ISulfite Mixer
9. Neutralization Mixer

EXHIBIT "B"

BAKER BROS.
SYSTEMS ENGINEERING AND MANUFACTURING CORPORATION • RT. 138 CANTON, MASSACHUSETTS 02021 617/828-4100

EXHIBIT A.

GENERAL ELECTRIC WIRING DEVICES, INC.

JUANA DIAZ, PUERTO RICO

PLATING WASTEWATER TREATMENT

BAKER BROS. JOB #JC-6-1012

REF. DWG. C-21036

General Electric Wiring Devices, Inc. February 22, 1971

A. SOURCE OF WASTE

Wastewaters are segregated into two major classifications. Those that contain and those that do not contain hexavalent chrome. These in turn can be deliniated as dilute or concentrated wastes as follows.

1) CHROMATE WASTES.

a) Concentrated wastes result from the periodic dumping of spent chromate processing solutions. These solutions will flow by gravity to a dump holding tank and then bleed at a slow uniform rate by a level controlled metering pump to the chromic reduction tank. A high level alarm is provided for the dump holding tank.

b) Dilute wastes are the rinse waters following the chromating solutions. These wastewaters will flow by gravity to the chrome reduction tank.

2) NON-CHROMATE WASTES.

a) Concentrated acid and/or alkali wastes result from the periodic dumping of spent baths. These solutions will flow by gravity to respectively an acid or alkali dump holding tank.

b) Dilute wastes result from rinses following all non-chrome solutions.

B. TREATMENT

1) CHROME.

a) Chemistry. Chromium, in the context of waste treatment can exist in either of two valence states; namely, hexavalent chrome (Cr^{+6}), or trivalent chrome (Cr^{+3}). Both are toxic and therefore must be removed from the waste stream. Treatment is accomplished by a two-step process.

1. Chemically reducing the Chrome from the hexavalent to the trivalent state, and

2. Neutralizing and precipitating of the trivalent chrome.

The chemical reducing agent used in this system is sodium metabisulfite - $Na_2S_2O_5$. The reaction is as follows:

3. $Na_2S_2O_5 + 4H_2SO_4 + 4H_2CrO_4 \rightarrow 2Cr_2(SO_4)_3 + 2Na_2SO_4 + 2NaHSO_4 + 7H_2O$.

Oxidation-reduction-potential, ORP, measurements can be used to plot the course of the reduction reaction. A family of curves can be developed for different reaction pH's. At a given pH an ORP Level or value can be determined to indicate completion of reaction. The reduction reaction or the feed rate of bisulfite can then be automatically controlled by ORP instrumentation.

In order to design a process based on the above, we must have a reaction whose rate is rapid and predictable or repeatable. In the case of chrome reduction, the reaction rate is inversely proportional to pH, i.e., it is fastest at low pH. The optimum pH for this reduction reaction is pH 2.0. This assures a rapid reaction and a minimum requirement for excess bisulfite.

The reduced or trivalent chrome is soluable at low pH values. As the pH is increased the solubility decreases, reaching a minimum from pH 8.5 to 9.0. As the pH rises above this point the chromic hydroxide complexes and the precipitate redissolves. To reprecipitate, it is necessary to lower the pH to approximately 3 or lower to break the complex and then raise the pH to the 8.5 to 9.0 range. The optimum control point for the neutralization reaction is then within the range of pH 8.5 to 9.0 and therefore overshooting of this control range must be avoided.

After reduction the chromate wastes are combined with the non-chromate wastes for neutralization.

SYSTEM OPERATION

The instrumentation and control systems are electronic or electric, thus providing a system that does not require a high-quality, oil-free moisture-free instrument air supply. It also makes for a more easily maintained system.

Dumped solutions are conveyed to a holding tank. A diaphragm metering pump is used to bleed these concentrated wastes to the treatment system at a slow uniform rate.

Rinse waters following all chrome-bearing solutions are diverted to the treatment system by gravity.

The ORP in the reduction tank is continuously monitored and recorded on a 24 hour circular chart for record purposes. The ORP controller automatically and continuously calculates the bisulfite requirements of the reaction and automatically and continuously adjusts the feed rate of bisulfite. The controller transmits a milliamp electronic control signal to the speed control of the bisulfite pump.

The ORP recorder is equipped with an alarm contact which is wired to the alarm module. In the case of a reduction reaction ORP is decreased. Hence, the alarm or emergency condition is "Hi-ORP".

The pH of the reduction reaction is also continuously monitored and recorded on a 24 hour circular chart for record purposes. The pH controller automatically and continuously calculates the sulfuric acid requirement to maintain the reduction reaction at pH-2.0. The controller transmits a milliamp electronic control signal to the diaphragm metering pump. The pump accepts this signal and automatically adjusts the sulfuric acid feed rate. The pH recorder is equipped with an alarm contact which is wired to the alarm module to provide a "Hi-pH" alarm.

2) NEUTRALIZATION.

The reduced chrome wastes consisting of trivalent chrome, at pH - 2.0, flow to the neutralization tank for combined treatment with non-chromate wastes. The pH in the neutralization tank is continuously monitored and recorded on a 24 hour circular chart. The pH controller automatically and continuously calculates the caustic soda requirement to maintain a pH of 8.5. The controller transmits a signal to the diaphragm metering pump. The pump accepts this signal and automatically adjusts the caustic soda feed rate. The pH recorder is equipped with an alarm contact which is wired to the alarm module to provide a "Lo-pH" alarm.

3) CHEMICALS FOR TREATMENT.

a) Bisulfite is mixed to a solution - approximately 1 lb per gallon in the chemical mix tank.

b) Sulfuric Acid is drawn from the 55 gallon drum in which it was purchased. A low level alarm is provided.

c) Caustic soda is drawn from the 55 gallon drum in which it was purchased. A low level alarm is provided.

ATTACHMENT 2

Please print or type with ELITE type (12 characters/inch) in the unshaded areas only.

Form Approved OMB No. 158-S79016
GSA No. 0246-EPA-OT

EPA

ENVIRONMENTAL PROTECTION AGENCY

NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTALLATION'S EPA I.D. NO.	
I. NAME OF INSTALLATION	
II. INSTALLATION MAILING ADDRESS	PLEASE PLACE LABEL IN THIS SPACE
III. LOCATION OF INSTALLATION	not in list! ap

INSTRUCTIONS: If you received a prepri label, affix it in the space at left. If any of information on the label is incorrect, draw a through it and supply the correct informa in the appropriate section below. If the lab complete and correct, leave Items I, II, and below blank. If you did not receive a prepri label, complete all items. "Installation" mea single site where hazardous waste is genera treated, stored and/or disposed of, or a tr porter's principal place of business. Please r to the INSTRUCTIONS FOR FILING NOT CATION before completing this form. information requested herein is required by (Section 3010 of the Resource Conservation Recovery Act).

DETACH

FOR OFFICIAL USE ONLY

COMMENTS

C

INSTALLATION'S EPA I.D. NUMBER	APPROVED	DATE RECEIVED (yr., mo., & day)
F PRD090282757 T/A 2 C 1		800818

I. NAME OF INSTALLATION

GENERAL ELECTRIC CO WIRING DEVICE DEPT

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX

3 PO BOX D

CITY OR TOWN	ST.	ZIP CODE
4 JUANA DIAZ	PR	00665

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

5 KM 67 CARRETERA 149

CITY OR TOWN	ST.	ZIP CODE
6 JUANA DIAZ	PR	00665

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)	PHONE NO. (area code & no.)
2 JOSE MARQUES MGR-MFG ENGRG	809-837-2500

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

8 GENERAL ELECTRIC COMPANY

DETACH

B. TYPE OF OWNERSHIP (enter the appropriate letter into box)

F = FEDERAL
M = NON-FEDERAL

M

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

- [X] A. GENERATION
- [ ] B. TRANSPORTATION (complete item VII)
- [X] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only – enter "X" in the appropriate box(es))

- [ ] A. AIR
- [ ] B. RAIL
- [ ] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

EPA Form 8700-12 (6-80)

GE_CARIBE000309

I.D. – FOR OFFICIAL USE ONLY

W P R D 0 9 0 2 8 2 7 5 7

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F006	F008				
7	**8**	**9**	**10**	**11**	**12**
F007	F009				

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste fr specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	**20**	**21**	**22**	**23**	**24**
25	**26**	**27**	**28**	**29**	**30**

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	**38**	**39**	**40**	**41**	**42**
43	**44**	**45**	**46**	**47**	**48**

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinar hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

- [X] 1. IGNITABLE (D001)
- [X] 2. CORROSIVE (D002)
- [ ] 3. REACTIVE (D003)
- [X] 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
R. J. Schausei l	Plant Manager	8/5/80

EPA Form 8700-12 (6-80) REVERSE

PP

ATTACHMENT 3

(fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-R0175

FORM 1 GENERAL

EPA

ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F P R D 0 9 0 2 8 2 7 5 7

LABEL ITEMS

PA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, it in the designated space. Review the in ation carefully; if any of it is incorrect, through it and enter the correct data i appropriate fill-in area below. Also, if a the preprinted data is absent *(the area t left of the label space lists the inform that should appear)*, please provide it i proper fill-in area*(s)* below. If the la complete and correct, you need not com Items I, III, V, and VI *(except VI-B must be completed regardless)*. Comple items if no label has been provided. Re the *instructions* for *detailed* item de tions and for the legal authorizations which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to a questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third colu if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activ is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X	
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP GENERAL ELECTRIC CO WIRING DEVICES DEPT

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 JOSE A MARQUES MGR-MFG ENGR	809 837 2500

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 PO BOX D

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 JUANA DIAZ	PR	00665

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 KM 67 CARRETERA NO 149

B. COUNTY NAME

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 JUANA DIAZ	PR	00665	

CONTINUED FROM THE FRONT

VII. SIC CODES *(4-digit, in order of priority)*

A. FIRST	B. SECOND
7 3,6,4,3 (specify) ELECTRICAL MACHINERY MANUFACTURER	7 (specify)
C. THIRD	**D. FOURTH**
(specify)	7 (specify)

VIII. OPERATOR INFORMATION

A. NAME: B GENERAL ELECTRIC CO.

B. Is the name listed in Item VIII-A also owner? ☐ YES ☒ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box; if "Other", specify.)*
F = FEDERAL, M = PUBLIC *(other than federal or state)*, S = STATE, O = OTHER *(specify)*, P = PRIVATE: P (specify)

D. PHONE *(area code & no.)*: A 809 837 2500

E. STREET OR P.O. BOX: KM 67 CARRETERA NO 149

F. CITY OR TOWN: B JUANA DIAZ | G. STATE: PR | H. ZIP CODE: 00665

IX. INDIAN LAND
Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*: 9 N	D. PSD *(Air Emissions from Proposed Sources)*: 9 P
B. UIC *(Underground Injection of Fluids)*: 9 U	E. OTHER *(specify)*: 9 (specify)
C. RCRA *(Hazardous Wastes)*: S R	E. OTHER *(specify)*: 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements. F9: A/50

XII. NATURE OF BUSINESS *(provide a brief description)*

ENGAGED IN THE MANUFACTURE OF ELECTRICAL WIRING DEVICES.

F9: A/51

XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
R. I. SCHAUSEIL - PLANT MANAGER	R. I. Schauseil	10/27/80

COMMENTS FOR OFFICIAL USE ONLY

C

GE_CARIBE000313

(fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-S80004

FORM 3 RCRA

EPA

HAZ[illegible] VIRONMENTAL PROTECTION AGENCY US WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

F	P	R	D	0	9	0	2	8	2	7	5	7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facili EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

[X] 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

[ ] 2. NEW FACILITY *(Complete item below.*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

C	YR.	MO.	DAY
8	7 1	1 0	0 1

FOR NEW FACILI PROVIDE THE DA *(yr., mo., & day)* OF TION BEGAN OR EXPECTED TO BE

YR.	MO.	DAY

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

[ ] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES — CODES AND DESIGN CAPACITIES

A. PROCESS CODE — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, describe the process *(including its design capacity)* in the space provided on the form *(Item III-C).*

B. PROCESS DESIGN CAPACITY — For each code entered in column A enter the capacity of the process.
1. AMOUNT — Enter the amount.
2. UNIT OF MEASURE — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT MEASU COD
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	E
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	C
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below):* A facility has two storage tanks, one tank can hold 200 gallons and other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C	DUP				T/A	C
						1

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FO OFFIC US ONI
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 2	4750 000	G		7				
	T 0 1	8640 000	U		8				
3	S 0 1	935 000	G		9				
4					10				

GE_CARIBE000314

CONTINUED FROM THE FRONT.

III. PROCESSES *(continued)*

C. SPACE FOR ADDITIONAL PROCESS CODES AND FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four—digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four—digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non—listed waste*(s)* that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:
   For listed hazardous waste: For each listed hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non—listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non—listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non—listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
X-1	K054	900	P	T03 D80	
X-2	D002	400	P	T03 D80	
X-3	D001	100	P	T03 D80	
X-4	D002				included with above

 CONTINUE ON PAGE 3

GE_CARIBE000315

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1): W P R D 0 9 0 2 8 2 7 5 7 T/A 3 C 1

FOR OFFICIAL USE ONLY: W DUP T/A 3 C 2 DUP

DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F006	45 360	T	S02	T01			
2	F007	1870 000	P	S01				
3	F008	525 000	P	S01				
4	F009	916 000	P	S01				
5	D000	2 070	T	S01				Spent Oils
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

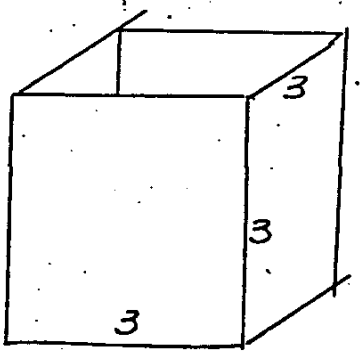
EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

GE_CARIBE000316

JUANA DIAZ, PUERTO RICO

7.48 gals/ft³



3 UNDERGROUND TANKS @

3'x 3'x3' = 27 cu-ft or

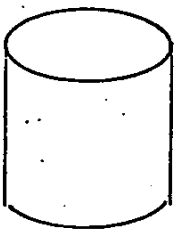
202 gals - capacity each

SPILL CONTROL - HW STORAGE

---

d= 3.5'

h= 4'-0"

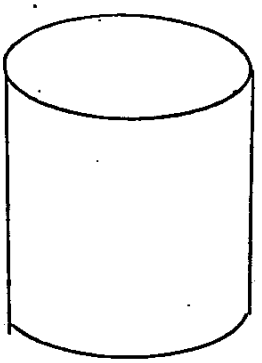


$\frac{\pi d^2}{4} \times h = \frac{3.14(3.5)^2}{4} \times 4 = 38.46$ cu

288 gals

d= 4'-0"

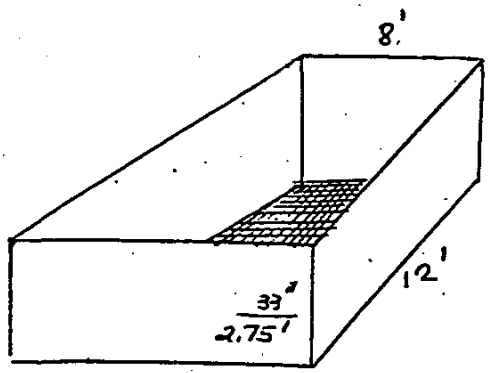
h= 4'-0"



$\frac{\pi d^2}{4} \times h = \frac{3.14(4)^2}{4} \times 4 = 50.24$ cu-ft

375 gals

TWO(2) VATS (FIBERGLASS) for INTERMEDIATE STORAGE of SLUDGE



8'x 12'x 2.75' = 264 cu-ft

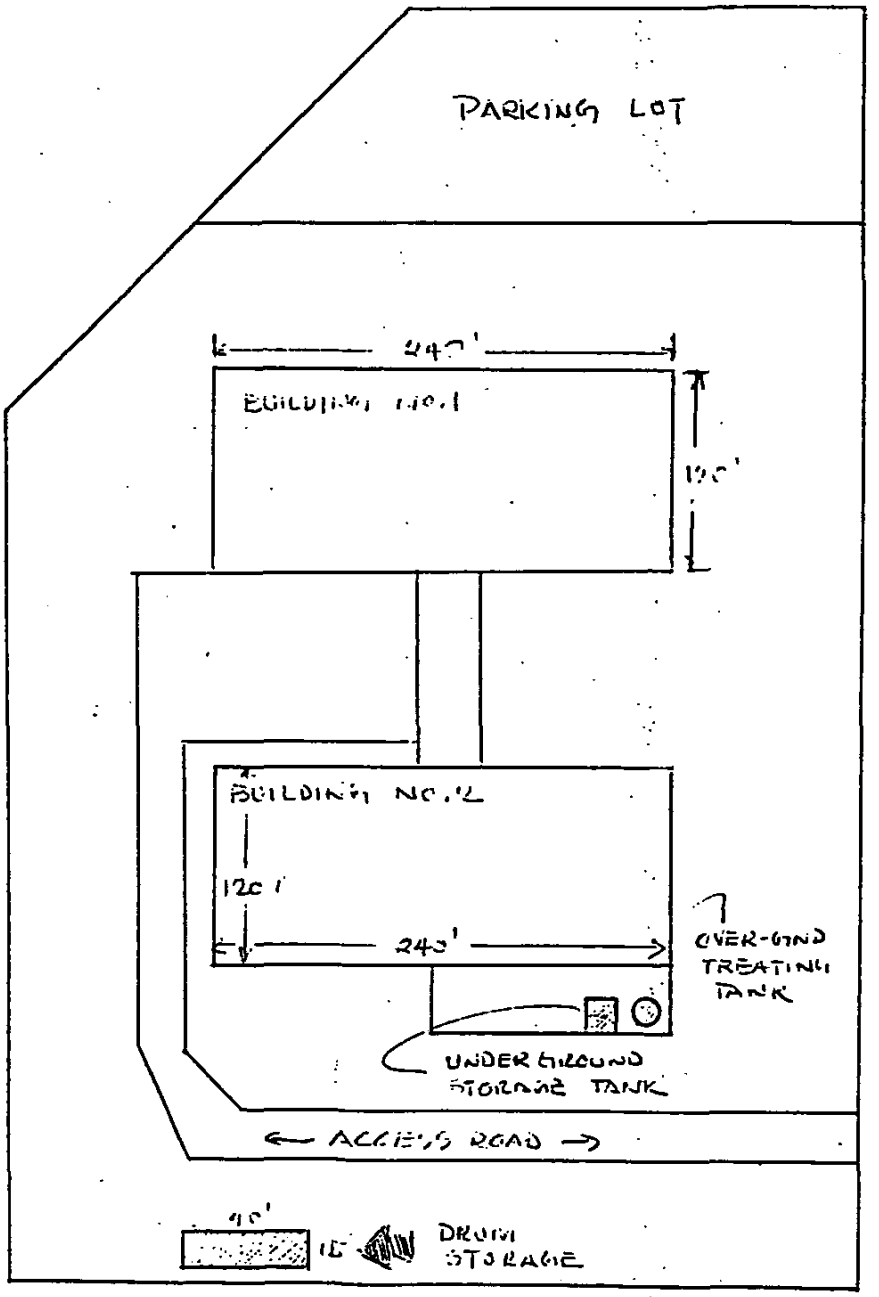
or

1974.72 gals

SURFACE CONTAINMENT FOR ABOVE VATS (NEXT TO TREATMENT PLANT)

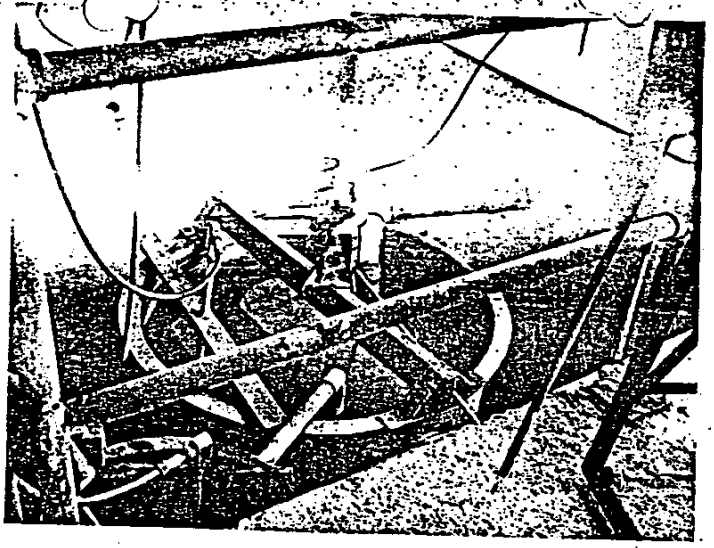
SPILL CONTROL

V. FACILITY DRAWING *(see page 4)*



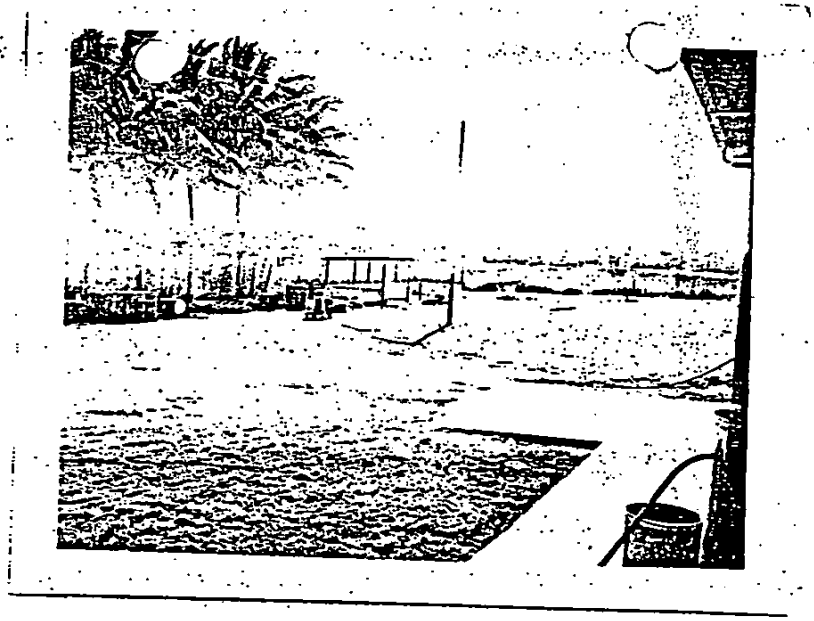
GENERAL ELECTRIC CO
LUNA DIAZ, P.R. 00665

GE_CARIBE000318

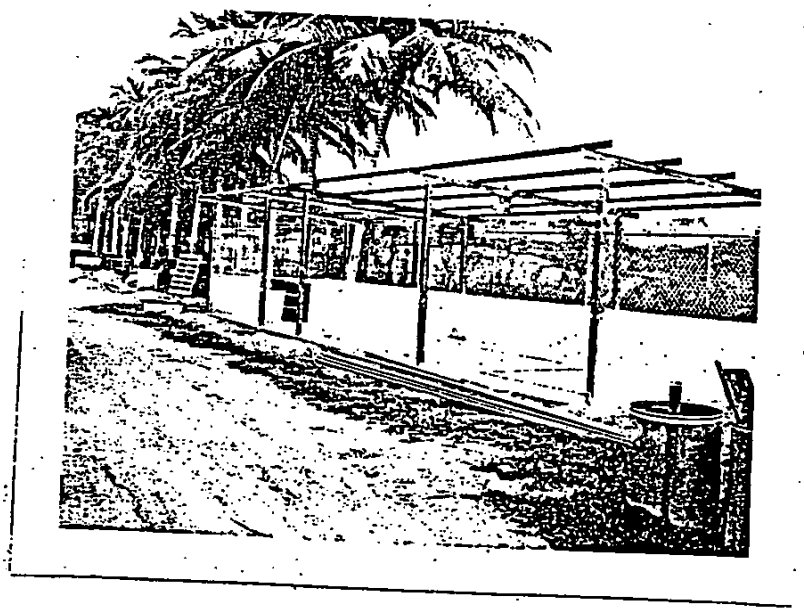


TREATMENT TANK

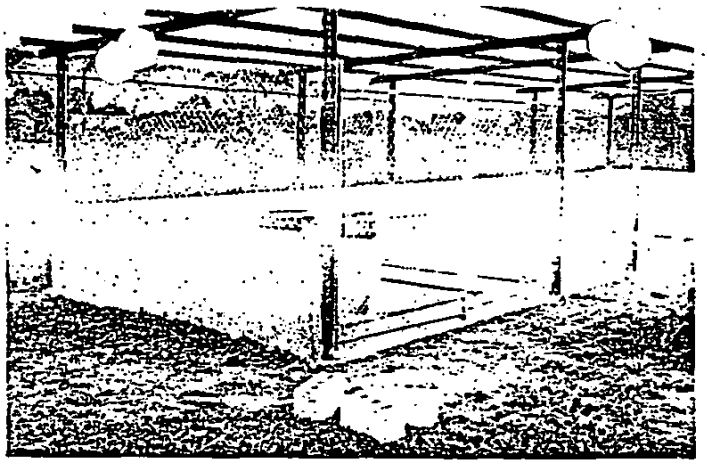
PLATING AREA



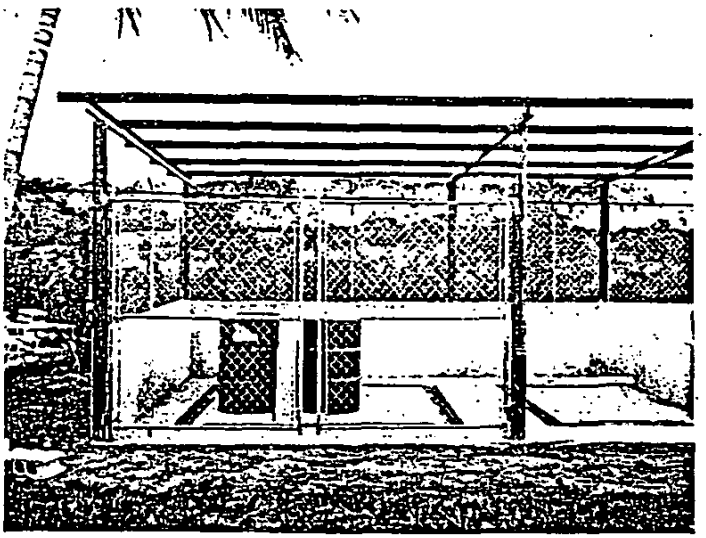
HAZARDOUS WASTE STORAGE
AS SEEN FROM THE PLATING
AREA.



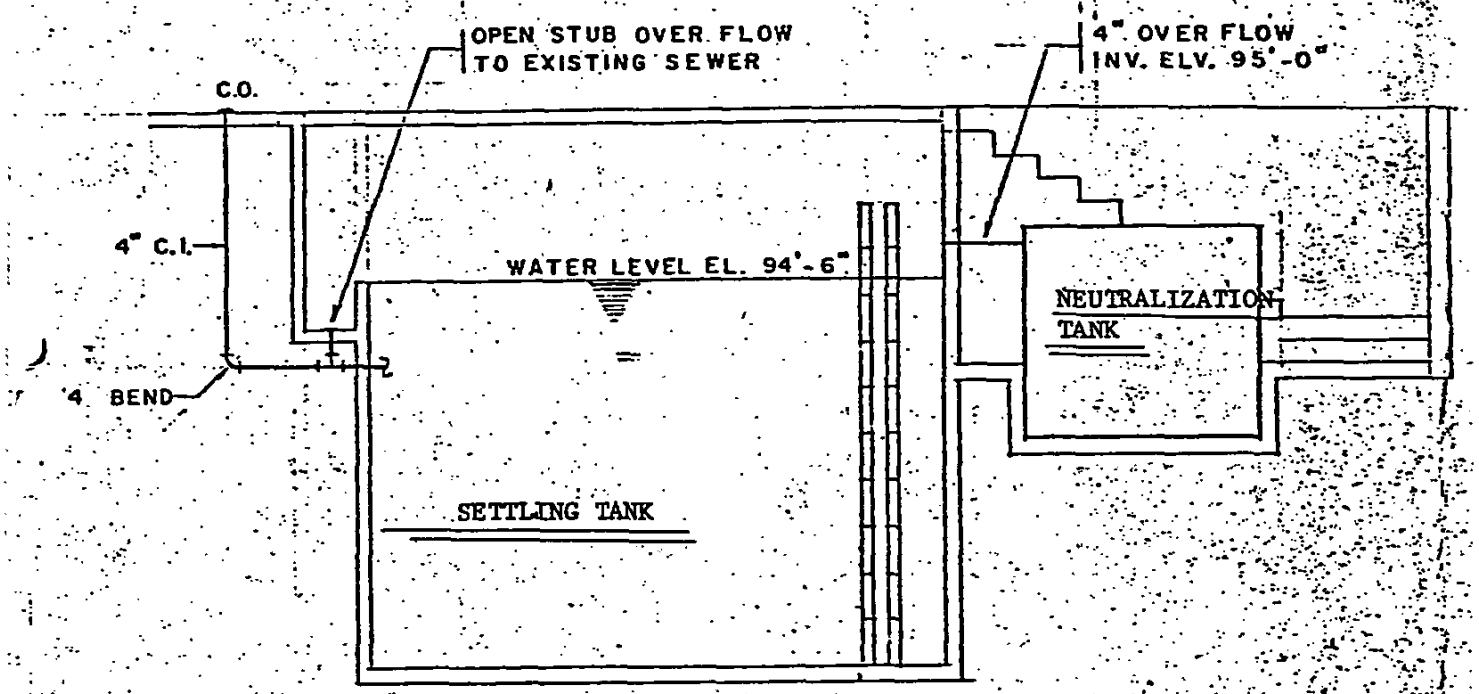
HAZARDOUS WASTE STORAGE
PARTIALLY COMPLETED



HAZARDOUS WASTE STORAGE
FOR DRUMS



HAZARDOUS WASTE STORAGE
FOR DRUMS



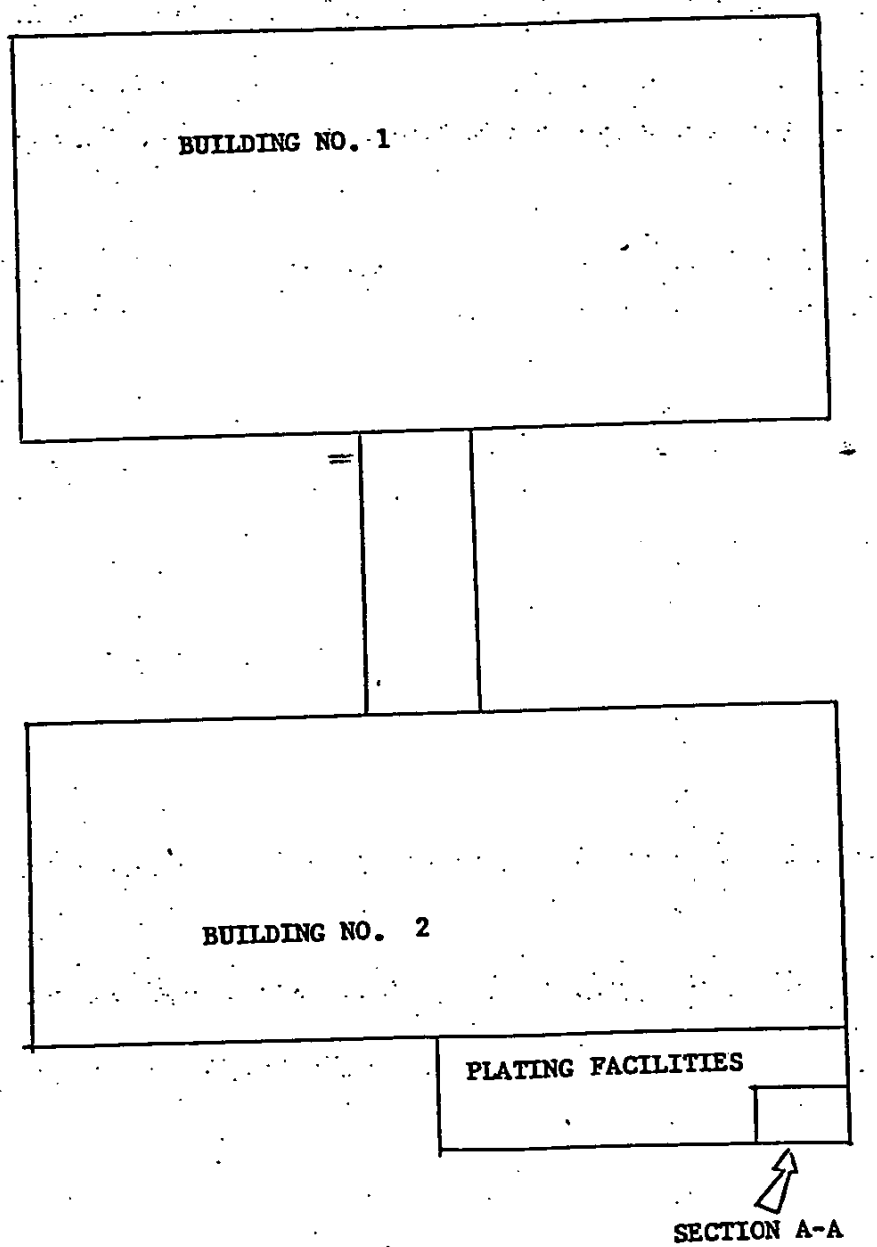
SECTION A-A

SCALE: 1/4"=1'-0"

GENERAL ELECTRIC CO. - WIRING DEVICES DEPARTMENT
JUANA DIAZ PLANT - JUANA DIAZ , PUERTO RICO

GEN[illegible] ELECTRIC COMPANY
WIRING DEVICES DEPARTMENT
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO

PLATING FACILITIES



INDUSTRIAL SITE

MUN. JUANA DIAZ
BARRIO URBAN ZONE

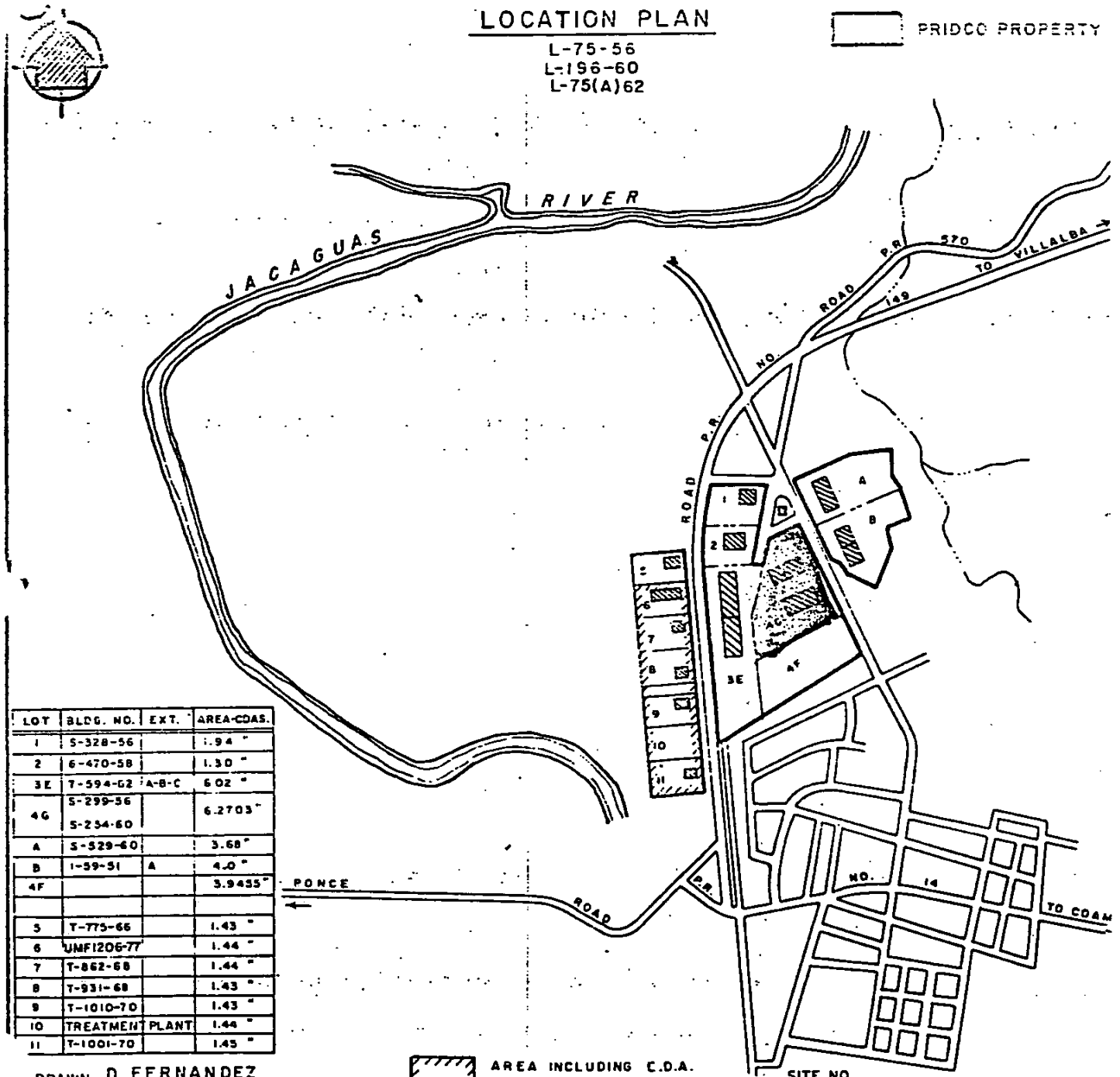
DATE JULY 29 '69

NUMBER JD – I

LOCATION PLAN

L-75-56
L-196-60
L-75(A)62

PRIDCO PROPERTY



LOT	BLDG. NO.	EXT.	AREA-CDAS.
1	S-328-56		1.94 "
2	6-470-58		1.30 "
3E	7-594-62	A-B-C	6.02 "
4G	S-299-56 S-234-60		6.2703"
A	S-329-60		3.68"
B	1-59-51	A	4.0 "
4F			3.9455"
5	T-775-66		1.43 "
6	UNF1206-77		1.44 "
7	T-862-68		1.44 "
8	T-931-68		1.43 "
9	T-1010-70		1.43 "
10	TREATMENT	PLANT	1.44 "
11	T-1001-70		1.45 "

DRAWN D. FERNANDEZ

CHECKED

AREA INCLUDING C.D.A.
PROJECTS 01-0.-00315
01-51-26226
(MULTY FACTORY BUILD. LOT-6)
(TREATMENT PLANT LOT-10)

SITE NO.

SCALE 1:10,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. – PLANNING DEPT. – SAN JUAN. P.R.

ATTACHMENT 4

GSA No 0246-E

Unit[illegible]ates Environmental Protection A[illegible]y
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Pleas[illegible]er to the *Instructions Filing* [illegible]*fication* before comple[illegible] this fo[illegible] The information reque[illegible] here [illegible] required by law *(Sec[illegible] 3010 of the Resource Conservat[illegible] and Recovery Act).*

For Official Use Only

Comments

C
C

Installation's EPA ID Number			Approved	Date Received (yr. mo. day)
C F	T/A	C 1		

I. Name of Installation

CARIBE G.E. PRODUCTS, INC.

II. Installation Mailing Address

Street or P.O. Box

C 3 P.O BOX 1430

City or Town	State	ZIP Code
C 4 JUANA DIAZ	PR	0066

III. Location of Installation

Street or Route Number

C 5 CALLE CARRION MADURO

City or Town	State	ZIP Code
C 6 JUANA DIAZ	PR	0066

IV. Installation Contact

Name and Title *(last, first, and job title)*	Phone Number *(area code and number)*
C 2 ROBLES, H.-MGR-ENGR.	809 837 250

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership *(enter cod*
C R PRIDCO-(GOVMT. OF PR)	

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- [X] 1a. Generator
- [ ] 1b. Less than 1,000 kg/mo.
- [ ] 2. Transporter
- [X] 3. Treater/Storer/Disposer
- [ ] 4. Underground Injection
- [ ] 5. Market or Burn Hazardous Waste Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner

B. Used Oil Fuel Activities

- [ ] 6. Off-Specification Used Oil Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner
- [ ] 7. Specification Used Oil Fuel Marketer *(or On site Burner)* Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device *(enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)*

[ ] A. Utility Boiler [ ] B. Industrial Boiler [ ] C. Industrial Furnace

VIII. Mode of Transportation *(transporters only — enter 'X' in the appropriate box(es)*

[ ] A. Air [ ] B. Rail [ ] C. Highway [ ] D. Water [ ] E. Other *(specify)*

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

[ ] A. First Notification [X] B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number: PRD0902827 57

EPA Form 8700-12 (Rev. 11-85) Previous edition is obsolete.

Continue on revers

EPA

Identification and Listing of Hazardous Waste

This package is a complete reprint of the EPA regulations identifying and listing hazardous waste that were promulgated under Section 3001 of the Resource Conservation and Recovery Act *(RCRA)* on May 19, 1980. If you need a copy of the preamble discussion to this regulation or a copy of other regulations for hazardous waste management that were promulgated under Subtitle C of RCRA please contact:

Mr. Ed Cox
U.S. Environmental Protection Agency
P.O. Bldg. B
Dalton and Liberty Streets
Dock 14
Cincinnati, Ohio 45214
(513) 684–5362

GE_CARIBE000327

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C W T/A

X. Description of Hazardous Wastes *(continued from front)*

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 *CFR* Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
D 0 0 7	F 0 0 6				
7	**8**	**9**	**10**	**11**	**12**

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 *CFR* Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	**20**	**21**	**22**	**23**	**24**
25	**26**	**27**	**28**	**29**	**30**

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 *CFR* Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	**38**	**39**	**40**	**41**	**42**
43	**44**	**45**	**46**	**47**	**48**

D. Listed Infectious Wastes. Enter the four-digit number from 40 *CFR* Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 — 261.24)*

☐ 1. Ignitable *(D001)* ☐ 2. Corrosive *(D002)* ☐ 3. Reactive *(D003)* ☒ 4. Toxic *(D000)*

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature	Name and Official Title *(type or print)*	Date Signed
R.I. Schauseil	R.I. Schauseil - Plant Manager	8/31/87

EPA Form 8700-12 (Rev. 11-85) Reverse

7 OCT 13 A8:55

§ 261.31 Hazardous waste from nonspecific sources.

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
Generic:		
F001	The spent halogenated solvents used in degreasing, tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and the chlorinated fluorocarbons; and sludges from the recovery of these solvents in degreasing operations.	T
F002	The spent halogenated solvents, tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, o-dichlorobenzene, trichlorofluoromethane and the still bottoms from the recovery of these solvents.	T
F003	The spent non-halogenated solvents, xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, n-butyl alcohol, cyclohexanone, and the still bottoms from the recovery of these solvents.	I
F004	The spent non-halogenated solvents, cresols and cresylic acid, nitrobenzene, and the still bottoms from the recovery of these solvents	T
F005	The spent non-halogenated solvents, methanol, toluene, methyl ethyl ketone, methyl isobutyl ketone, carbon disulfide, isobutanol, pyridine and the still bottoms from the recovery of these solvents.	I, T
F006	Wastewater treatment sludges from electroplating operations	T
F007	Spent plating bath solutions from electroplating operations	R
F008	Plating bath sludges from the bottom of plating baths from electroplating operations	R
F009	Spent stripping and cleaning bath solutions from electroplating operations	R
F010	Quenching bath sludge from oil baths from metal heat treating operations	R
F011	Spent solutions from salt bath pot cleaning from metal heat treating operations	R
F012	Quenching wastewater treatment sludges from metal heat treating operations	T
F013	Flotation tailings from selective flotation from mineral metals recovery operations	T
F014	Cyanidation wastewater treatment tailing pond sediment from mineral metals recovery operations	T
F015	Spent cyanide bath solutions from mineral metals recovery operations	R
F016	Dewatered air pollution control scrubber sludges from coke ovens and blast furnaces	T

§ 261.32 Hazardous waste from specific sources.

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
Wood Preservation: K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol	T
Inorganic Pigments:		
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments	T
K003	Wastewater treatment sludge from the production of molybdate orange pigments	T
K004	Wastewater treatment sludge from the production of zinc yellow pigments	T
K005	Wastewater treatment sludge from the production of chrome green pigments	T
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated)	T
K007	Wastewater treatment sludge from the production of iron blue pigments	T
K008	Oven residue from the production of chrome oxide green pigments	T
Organic Chemicals:		
K009	Distillation bottoms from the production of acetaldehyde from ethylene	T
K010	Distillation side cuts from the production of acetaldehyde from ethylene	T
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile	R, T
K012	Still bottoms from the final purification of acrylonitrile in the production of acrylonitrile	T
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile	R, T
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile	T
K015	Still bottoms from the distillation of benzyl chloride	T
K016	Heavy ends or distillation residues from the production of carbon tetrachloride	T
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin	T
K018	Heavy ends from fractionation in ethyl chloride production	T
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production	T
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production	T
K021	Aqueous spent antimony catalyst waste from fluoromethanes production	T
K022	Distillation bottom tars from the production of phenol/acetone from cumene	T
K023	Distillation light ends from the production of phthalic anhydride from naphthalene	T
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene	T
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene	T
K026	Stripping still tails from the production of methyl ethyl pyridines	T
K027	Centrifuge residue from toluene diisocyanate production	R, T
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane	T
K029	Waste from the product stream stripper in the production of 1,1,1-trichloroethane	T
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene	T
Pesticides:		
K031	By-products salts generated in the production of MSMA and cacodylic acid	T
K032	Wastewater treatment sludge from the production of chlordane	T
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane	T
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane	T
K035	Wastewater treatment sludges generated in the production of creosote	T
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton	T
K037	Wastewater treatment sludges from the production of disulfoton	T
K038	Wastewater from the washing and stripping of phorate production	T
K039	Filter cake from the filtration of diethylphosphorodithoric acid in the production of phorate	T
K040	Wastewater treatment sludge from the production of phorate	T
K041	Wastewater treatment sludge from the production of toxaphene	T
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T	T
K043	2,6-Dichlorophenol waste from the production of 2,4-D	T
Explosives:		
K044	Wastewater treatment sludges from the manufacturing and processing of explosives	R
K045	Spent carbon from the treatment of wastewater containing explosives	R
K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds	T
K047	Pink/red water from TNT operations	R
Petroleum Refining:		
K048	Dissolved air flotation (DAF) float from the petroleum refining industry	T
K049	Slop oil emulsion solids from the petroleum refining industry	T
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry	T
K051	API separator sludge from the petroleum refining industry	T
K052	Tank bottoms (leaded) from the petroleum refining industry	T
Leather Tanning Finishing:		
K053	Chrome (blue) trimmings generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish, hair save/chrome tan/retan/wet finish, retan/wet finish, no beamhouse, through-the-blue, and shearling.	T

GE_CARIBE000329

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1430
JUANA DIAZ, PUERTO RICO 00665

September 1, 1987

Mr. Barry Tornick
Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

Dear Mr. Tornick:

REF: EPA Id. No. PRD090282757

On August 5, 1980, we submitted to EPA a Notification of Hazardous Waste Activity for our Juana Diaz Plant.

Enclosed you will find a new, revised Notification dated September 1, 1987.

You will find that on the 1980 Notification we included as waste streams the following: F006, F007, F008, and F009. Please refer to enclosed copy of Federal Register, Vol. 45, No. 98, Monday May 19, 1980, page 33123 , included as part of the instructions on how to fill out the Notification.
These hazardous waste numbers identified the possible waste streams that we had at that time , and they were entered in the Notification as Protective Filer in the event that we would need them.

Throughout these years we have only generated F006 and D007 (Chromate Bath Spent Solution - as defined now).

We are removing from the notification the F007, F008, and F009 because at the present time they represent wastes that we have never generated and will not generate because we do not use cyanide. We are only notifying F006 and D007 as our current ones.

Thank you very much for your attention. I remain,

Cordially Yours,

Heriberto Robles
Mgr.- Mfg. Tech.

Encl.
cc: Milagros Ruiz - GEPRO
File

ATTACHMENT 5

GENERAL

EPA GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

EPA I.D. NUMBER: P R D 0 9 0 2 8 2 7 5

LABEL ITEMS	
I. EPA I.D. NUMBER	PLEASE PLACE LABEL IN THIS SPACE
II. FACILITY NAME	
V. FACILITY MAILING ADDRESS	
VI. FACILITY LOCATION	

GENERAL INSTRUCTIONS

If a preprinted label has been [illegible] it in the designated space. Review [illegible] ation carefully; if any of it is incorrect through it and enter the correct [illegible] appropriate fill-in area below. [illegible] the preprinted data is [illegible] *left of the label space lists the [illegible] that should appear)*, please provide [illegible] proper fill-in area(s) below. If [illegible] complete and correct, you need [illegible] items I, III, V, and VI [illegible] *must be completed regardless* [illegible] items if no label has been provided [illegible] the instructions for detailed [illegible] tions and for the legal [illegible] which this data is collected [illegible]

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" [illegible] questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third [illegible] if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" [illegible] is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms [illegible]

SPECIFIC QUESTIONS	MARK "X" YES	MARK "X" NO	MARK "X" FORM ATTACHED	SPECIFIC QUESTIONS	MARK "X" YES	MARK "X" NO
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility *(other than those described in A or B above)* which will result in a discharge to waters of the U.S.? (FORM 2D)		X
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X

III. NAME OF FACILITY

1 S.K.I.P. CARIBE GENERAL ELECTRIC PRODUCTS, INC.

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 ROBLES, HERIBERTO - MGR- MFG - TECH.	809 837 2500

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 P.O. BOX 1430

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 JUANA DIAZ	PR	00665

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 STATE RD. 149, KM. 67

B. COUNTY NAME

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
6 JUANA DIAZ	PR	00665	

EPA Form 3510-1 (6-80)

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
3643 (specify) ELECTRICAL MACHINERY MANUFACTURER	(specify)
C. THIRD	**D. FOURTH**
(specify)	(specify)

VIII. OPERATOR INFORMATION

A. NAME: CARIBE GENERAL ELECTRIC PRODUCTS, INC.

B. Is the name listed in Item VIII-A also owner? ☐ YES ☒

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL, S = STATE, P = PRIVATE, M = PUBLIC (other than federal or state), O = OTHER (specify)
P (specify)

D. PHONE (area code & no.): A 809 837 2500

E. STREET OR P.O. BOX: P.O BOX 1430

F. CITY OR TOWN: JUANA DIAZ | **G. STATE**: PR | **H. ZIP CODE**: 00665

IX. INDIAN LAND
Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9N	9P
B. UIC (Underground Injection of Fluids)	**E. OTHER (specify)**
9U	9 (specify)
C. RCRA (Hazardous Wastes)	**E. OTHER (specify)**
R	9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must sh the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous wa treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surf water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

ENGAGED IN THE MANUFACTURE OF ELECTRICAL WIRING DEVICES.

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application an attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submi lse information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Eduardo L. Buso General Counsel & Asst. Secretary	E. L. Buso	8/21/87

COMMENTS FOR OFFICIAL USE ONLY

C

EPA Form 3510-1 (6-80) REVERSE

PRD090262757

INDUSTRIAL SITE

MUN. JUANA DIAZ

BARRIO URBAN ZONE

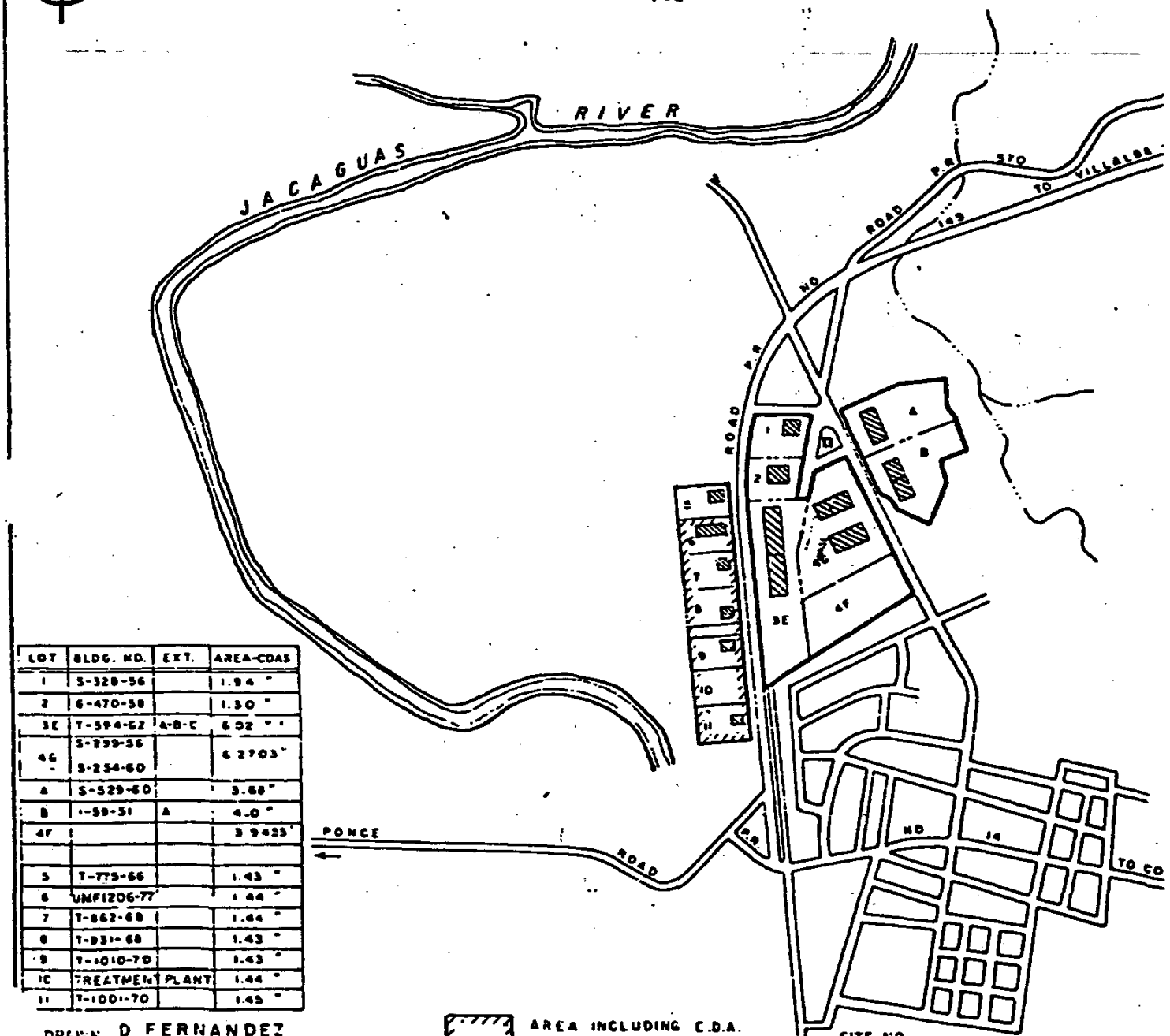
DATE JULY 29 '69

NUMBER JD - 1

LOCATION PLAN

L-75-56
L-196-60
L-75(A)62

PRIDCO PROPERTY



LOT	BLDG. NO.	EXT.	AREA-CDAS
1	S-328-56		1.94 "
2	6-470-58		1.30 "
3E	T-594-62	A-B-C	6.02 "
4G	S-299-56 S-254-60		6.2703 "
A	S-529-60		3.68 "
B	1-59-51	A	4.0 "
4F			3.9455 "
5	T-775-66		1.43 "
6	UMF1206-77		1.44 "
7	T-662-68		1.44 "
8	T-931-68		1.43 "
9	T-1010-70		1.43 "
10	TREATMENT	PLANT	1.44 "
11	T-1001-70		1.45 "

DRAWN D FERNANDEZ

CHECKED

AREA INCLUDING C.D.A. PROJECTS 01-0.-00315
01-51-26226
(MULTI FACTORY BUILD. LOT-6)
(TREATMENT PLANT LOT-10)

SITE NO.

SCALE 1 : 10,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. - PLANNING DEPT. - SAN JUAN. P.R.

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

GE_CARIBE000334

RCRA **EPA**

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

FPRD090282757

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

I. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facil revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your fac EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

☐ 2. NEW FACILITY *(Complete item belo*

FOR NEW FACI PROVIDE THE *(yr., mo., & day)* TION BEGAN O EXPECTED TO

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

☒ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. PROCESS CODE – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provid entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes belo describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. PROCESS DESIGN CAPACITY – For each code entered in column A enter the capacity of the process.

1. AMOUNT – Enter the amount.
2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HO GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	
LITERS	L	TONS PER HOUR	D	HECTARE-METER	
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons a other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP 1

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	OF
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S01	8250 (MAX)	G		7				
2					8				
3					9				
4					10				

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INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. **EPA HAZARDOUS WASTE NUMBER** – Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If y handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the character tics and/or the toxic contaminants of those hazardous wastes.

B. **ESTIMATED ANNUAL QUANTITY** – For each listed waste entered in column A estimate the quantity of that waste that will be handled on an anm basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handl which possess that characteristic or contaminant.

C. **UNIT OF MEASURE** – For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropria codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

cility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking in account the appropriate density or specific gravity of the waste.

D. **PROCESSES**

1. **PROCESS CODES:**
   For listed hazardous waste: For each listed hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process coc contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that poss that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in t extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.

2. **PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described i more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annu quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line ent "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* – A facility will treat and dispose of an estimated 900 poun per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wast are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimat 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
Y	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				*included with above*

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Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY	
W P R D 0 9 0 2 8 2 7 5 7 1	W DUP 2	DUP

DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F006	12.0	T	S01	
2	D007	1.0	T	S01	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

CONTINUE ON P

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)

F PRD090282757 6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)	LONGITUDE (degrees, minutes, & seconds)
18 05 03 0	066 30 030

VIII. FACILITY OWNER

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. (area code & n
E PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (PRIDCO)	809-758-4747

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F GPO BOX 2350	G SAN JUAN	PR	00936

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
ANGEL J. COLON	Angel J. Colón	10/6/87

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
Eduardo L. Buso	E L Buso	8/21/87

CONTINUE ON PA

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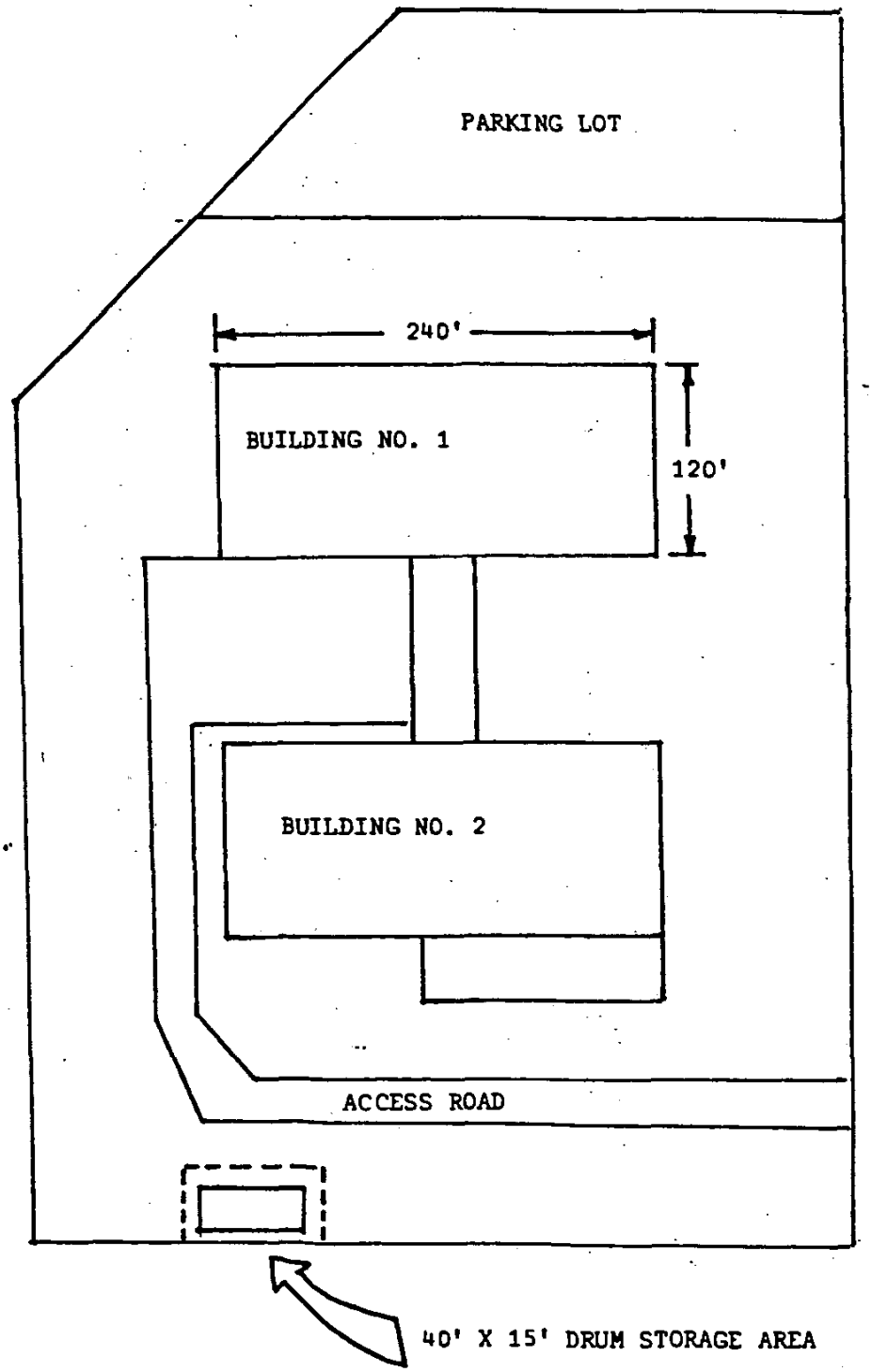
PRD090282757

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX A.E.
JUANA DIAZ, P.R. 00665

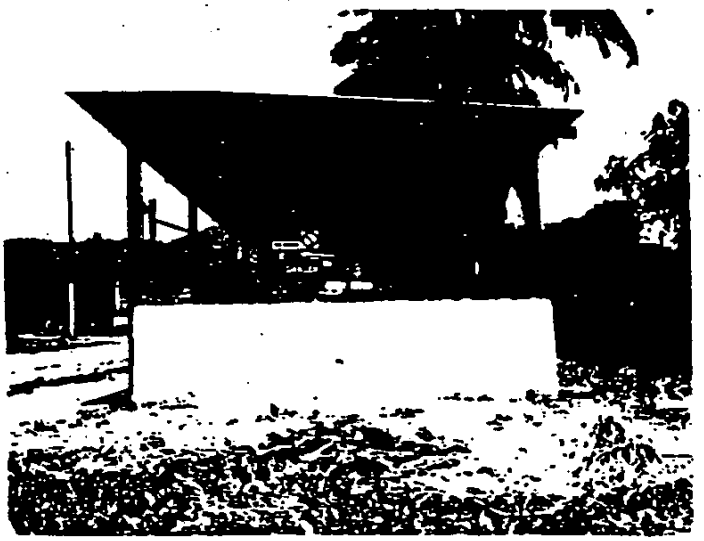
LOCATION OF "DRUM STORAGE AREA"

WITHIN THE COMPANY BOUNDARIES



PRD090282757

CARIBE
GENERAL ELECTRIC PRODUCTS
JUANA DIAZ PLANT
P.O. BOX A.E.
JUANA DIAZ, P.R. 00663



ATTACHMENT 6

COMMONWEALTH OF PUERTO RICO/OFFICE OF THE GOVERNOR

Environmental Quality Board

Office Of The Board: 204 Del Parque St., Corner of Pumarada/
Mailing Address: P.O. Box 11488, Santurce, P.R. 00910
Tel: [725-5140] - [Exts. 222 or 227]

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION O: OPERATION OF EMISSIONS SOURCES IN PUERTO RICO

PART I - GENERAL INFORMATION

[ ] Original [X] Revision No. 1 [Check One]. Date: 24 June 1986

1. Applicant:
   A. Name of project or emission source: Caribe General Electric Products Inc.
   B. Location: Juana Diaz Plant, Juana Diaz, Puerto Rico
   C. Authorized representative for permit application coordination and correspondance:

Caribe General Electric Products, Inc., Juana Diaz Plant
Organization

Robert I. Schauseil	Plant Manager	837-2500
Name Of Official	Title	Tel. No.

   D. Postal Address: AE (P. O. Box No.) Juana Diaz, P.R. (Municipality) 00665 (Zipe Code)

2. Purpose of application: [ ]Construction [X]Operation [Check One]
3. Nature of Business: Manufacturer
4. No. of employees at site: 222
5. Annual production [any convenient unit]: 2 million devices
6. Itinerary of normal operations: 8 Hrs./Day, 5 Days/Wk., 12 Mos./Yr.
7. If intermittent operation, frequency:
8. Attach the following documents:
   A. Location map of plant site [projected or existing] indicating neighboring fields and prominent points or structures.
   B. Layout plan of all facilities [projected or existing] indicating clearly all emission sources.
   C. Plan and specification of the emission source and its control measures or equipment.
   D. Information about any air sampling or monitoring equipment used, intended to be used or owned by applicant, including type, trade mark, method, operation schedule, etc.
9. List all approvals or denials granted by Federal, State or Local agencies for any structure, construction, permit for use or requested number, and sanitary permit:

Type of Permit	Issuing Agency	Identification No.	Date
RCRA	EPA	PRD090282757	11/80

10. Did facility exist, or was it lawfully under construction prior to September 16, 1971?
[X]Yes [ ]No [Check One]

CERTIFICATION

Application is hereby made for a permits to authorize the activities described herein. I certify that, to the best of my knowledge and belief, such information is true, complete and accurate.

RECIBIDO AREA CALIDAD DE AIRE JUL 03 1986 DIVISION DE PERMISOS

Robert I. Schauseil
Signature of Applicant

AFFIDAVIT

Affidavit No.: 443

Sworn and suscribed before me by Robert I. Schauseil responsible official of Caribe Elec. Products, Inc. Juana Diaz Plant of legal age, civil status MARRIED and resident of Ponce, P.R., whom I personally know.

Juana Diaz, Puerto Rico, this 2d day of July 1986.

Eduardo L. Rodríguez
Notary Public

EDUARDO L. RODRIGUEZ ABOGADO NOTARIO

FOR ENVIRONMENTAL QUALITY BOARD USE ONLY 39-0786-D578-1-

Permit issued on _____ Expire on _____ Applicant No. _____

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental Quality Board

Office Of The Board: 204 Del[illegible]que St., Corner of Pumarada
Mailing Address: P.O. Box 11488, Santurce, P.R. 00910
Tel: [725-5140] - [Exts. 222 or 227]

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION O OPERATION OF EMISSIONS SOURCES IN PUERTO RICO

PART I - GENERAL INFORMATION

[ ] Original [XX] Revision No. 1 [Check One] Date: 24 June 1986

1. Applicant:
   A. Name of project or emission source: Caribe General Electric Products Inc.
   B. Location: Juana Diaz Plant, Juana Diaz, Puerto Rico
   C. Authorized representative for permit application coordination and correspondance:

   Caribe General Electric Products, Inc., Juana Diaz Plant
   Organization

Name Of Official	Title	Tel. No.
Robert I. Schauseil	Plant Manager	837-2500

   D. Postal Address: AE (P. O. Box No.) Juana Diaz, P.R. (Municipality) 00665 (Zipe Code)
2. Purpose of application: [ ]Construction [X]Operation [Check One]
3. Nature of Business: Manufacturer
4. No. of employees at site: 222
5. Annual production [any convenient unit]: 2 million devices
6. Itinerary of normal operations: 8 Hrs./Day, 5 Days/Wk., 12 Mos./Yr.
7. If intermittent operation, frequency:
8. Attach the following documents:
   A. Location map of plant site [projected or existing] indicating neighboring fields and prominent points or structures.
   B. Layout plan of all facilities [projected or existing] indicating clearly all emission sources.
   C. Plan and specification of the emission source and its control measures or equipment.
   D. Information about any air sampling or monitoring equipment used, intended to be used or owned by applicant, including type, trade mark, method, operation schedule, etc.
9. List all approvals or denials granted by Federal, State or Local agencies for any structure, construction, permit for use or requested number, and sanitary permit:

Type of Permit	Issuing Agency	Identification No.	Date
RCRA	EPA	PRD090282757	11/80

10. Did facility exist, or was it lawfully under construction prior to September 16, 1971?
    [X]Yes [ ]No [Check One]

CERTIFICATION

Application is hereby made for a permits to authorize the activities described herein. I certify that, to the best of my knowledge and belief, such information is true, complete and accurate.

RECIBIDO AREA CALIDAD DE AIRE JUL 03 1986 DIVISION DE PERMISOS

Robert I. Schauseil
Signature of Applicant

AFFIDAVIT

Affidavit No. 443

Sworn and suscribed before me by Robert I. Schauseil responsible official of Caribe Gen. Products Inc. Juana Diaz Plant of legal age, civil status MARRIED and resident of Ponce P.R., whom I personally know.

San Juan, Puerto Rico, this 24 day of July 1986

Eduardo L. Rodríguez
Notary Public

EDUARDO L. RODRIGUEZ ABOGADO NOTARIO

FOR ENVIRONMENTAL QUALITY BOARD USE ONLY 39-0786-0078-1

Permit issued on _____ Expire on _____ Applicant No. _____

COMMONWEALTH OF PUERTO RICO/
OFFICE OF THE GOVERNOR

Environmental Quality Board

Mailing Address: P.O. Box 11488/Santurce, P.R. 00910
Telephone No.: [7 5140] - [Exts. 222 o 227]

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION OR OPERATION OF EMISSION SOURCES IN PUERTO RICO

PART II - PLANT PROCESS AND EMISSIONS DESCRIPTION

Industrial Emissions: STACK NO. 1

1. Describe process or operation that emits atmospheric contaminants.
   Dust Collector (Wheelabrator No. 1)

2. Raw material used or processed: Molded parts (Type) 2 M/yr. (Quantity) _____ (Unit/Unit Time)

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
Dust Bags	99.99	24 ft.	8 in.	amb °F	83.33 ft./sec.
		ft.	in.	°F	ft./sec.

5. Volume of discharge of emissions: 1.70 cu.ft./min.

6. Emissions: Actual XX Estimated-Based on: Equipment performance by manufacturer

Type of Pollutant	Quantity [wt./unit time]	Duration [time/unit time]
Particulate	below measurable levels	8 hrs/day

7. Attach process flow diagram[block type] showing points, amounts and types of emissions.

II. Emissions from combustion:

1. Combustion equipment: _____ (Type) _____ (BTU/hr.) or _____ (Horsepower)

2. Fuel:

Type	Gals./hr. or	Lbs./hr.	% Sulfur

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
		ft.	in.	°F	ft./sec.
		ft.	in.	°F	ft./sec.

III Emissions from incineration or waste disposal:

1. Method for disposal of wastes: _____

2. Wastes: Type _____ Quantity _____ lbs/day

3. Incinerator: _____ (type) _____ (Trade Mark) _____ (Capacity) lbs/day

4. Chimney or stack: _____ ft. (Height) _____ in. (Exh. Diam.) _____ °F (Exh. Temp.) _____ ft/sec. (Exh. Veloc.)

5. Auxiliary fuel: _____ (Type) _____ (Gals./hr.) or _____ (Lbs./hr.) _____ (% Sulfur)

6. Control equipment: _____ (Type) _____ (Efficiency) % by wt.

IV. Compliance: Attach data or information showing that emissions will not exceed the established limits.

V. Control Equipment: Attach sketch of any control equipment installation at the emission source.

CERTIFICATION BY AN ENGINEER OR A CHEMIST

I Certify that I am registered and authorized to practice my profession in Puerto Rico; that the equipment and measures for the control of the emission are adequate and comply with the provisions of the Air Pollution Control regulations of the Puerto Rico Environmental Quality Board and that, to the best of my knowledge and belief, the above information is true, complete and accurate.

License Number _____ Name [Typed] _____ Signature _____

RECIBIDO AREA CALIDAD DE AIRE JUL 03 1990 DIVISION DE PERMISOS

Date _____ Applicant Number: 39-0786-0573

OFFICE OF THE GOVERNOR

Environmental Quality Board

Mailing Address: P.O. Box 11488, Santurce, P.R. 00910
Telephone No.: [725-5140] - [Exts. 222 o 227]

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION OR OPERATION OF EMISSION SOURCES IN PUERTO RICO

PART II - PLANT PROCESS AND EMISSIONS DESCRIPTION

Industrial Emissions: STACK NO. 2

1. Describe process or operation that emits atmospheric contaminants.
   Dust Collector No. 2 (Wheelabrator No. 2)

2. Raw material used or processed: Molded parts (Type) 2M/yr (Quantity) _____ (Unit/Unit Time)

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
Dust Bags	99.99	16 ft.	8 in.	amb °F	83.33 ft./sec.
		ft.	in.	°F	ft./sec.

5. Volume of discharge of emissions: 1.70 cu.ft./min.

6. Emissions: Actual XX Estimated-Based on: Equipment performance by manufacturer

Type of Pollutant	Quantity [wt./unit time]	Duration [time/unit time]
Particulates	Below measurable level	8 hrs/day

7. Attach process flow diagram[block type] showing points,amounts and types of emissions.

Emissions from combustion:

1. Combustion equipment: _____ (Type) _____ (BTU/hr.) or _____ (Horsepower)

2. Fuel:

Type	Gals./hr. or	Lbs./hr.	% Sulfur

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
		ft.	in.	°F	ft./sec.
		ft.	in.	°F	ft./sec.

III. Emissions from incineration or waste disposal:

1. Method for disposal of wastes: _____

2. Wastes: Type _____ Quantity _____ lbs/day

3. Incinerator: _____ (type) _____ (Trade Mark) _____ (Capacity) lbs/day

4. Chimney or stack: _____ ft. (Height) _____ in. (Exh. Diam.) _____ °F (Exh. Temp.) _____ ft/sec. (Exh. Veloc.)

5. Auxiliary fuel: _____ (Type) _____ (Gals./hr.) or _____ (Lbs./hr.) _____ (% Sulfur)

6. Control equipment: _____ (Type) _____ (Efficiency) % by wt.

IV. Compliance: Attach data or information showing that emissions will not exceed the established limits.

V. Control Equipment: Attach sketch of any control equipment installation at the emission source.

CERTIFICATION BY AN ENGINEER OR A CHEMIST

I Certify that I am registered and authorized to practice my profession in Puerto Rico; that the equipment and measures for the control of the emission are adequate and comply with the provisions of the Air Pollution Control Regulations of the Puerto Rico Environmental Quality Board and that, to the best of my knowledge and belief, the above information is true, complete and accurate.

JUL 03 1986

License Number _____ Name [Typed] _____ Signature _____

Date _____ Applicant Number: 39-0786-05/8

COMMONWEALTH OF PUERTO RICO
OFFICE OF THE GOVERNOR

Environmental Quality Board

Mailing Address: P.O. Box 11488/Santurce, P.R. 00910
Telephone No.: [7[illegible]5-5140] - [Exts. 222 o 227]

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION OR OPERATION OF EMISSION SOURCES IN PUERTO RICO

PART II - PLANT PROCESS AND EMISSIONS DESCRIPTION

I. Industrial Emissions: STACK NO. 3

1. Describe process or operation that emits atmospheric contaminants.
   Heat treating oven for hardening of die metal parts. Tool Room
   Exception Rule 206, Part C., No. 5

2. Raw material used or processed: Propane (Type) 12 (Quantity) lbs/day (Unit/Unit Time)

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
none		15 ft.	7 in.	atm °F	24.34 ft./sec.
		ft.	in.	°F	ft./sec.

5. Volume of discharge of emissions: 390 cu.ft./min.

6. Emissions: Actual Estimated-Based on:

Type of Pollutant	Quantity [wt./unit time]	Duration [time/unit time]

7. Attach process flow diagram[block type] showing points, amounts and types of emissions.

II. Emissions from combustion:

1. Combustion equipment: _____ (Type) _____ (BTU/hr.) or _____ (Horsepower)

2. Fuel:

Type	Gals./hr. or	Lbs./hr.	% Sulfur

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
		ft.	in.	°F	ft./sec.
		ft.	in.	°F	ft./sec.

III. Emissions from incineration or waste disposal:

1. Method for disposal of wastes: _____
2. Wastes: Type _____ Quantity _____ lbs/day
3. Incinerator: _____ (type) _____ (Trade Mark) _____ (Capacity) lbs/day
4. Chimney or stack: _____ ft. (Height) _____ in. (Exh. Diam.) _____ °F (Exh. Temp.) _____ ft/sec. (Exh. Veloc.)
5. Auxiliary fuel: _____ (Type) _____ (Gals./hr.) or _____ (Lbs./hr.) _____ (% Sulfur)
6. Control equipment: _____ (Type) _____ (Efficiency) % by wt.

IV. Compliance: Attach data or information showing that emissions will not exceed the established limits.

V. Control Equipment: Attach sketches of any control equipment installation at the emission source.

CERTIFICATION BY AN ENGINEER OR A CHEMIST

I Certify that I am registered and authorized to practice my profession in Puerto Rico; that the equipment and measures for the control of the emission are adequate and comply with the provisions of the Air Pollution Control regulations of the Puerto Rico Environmental Quality Board and that, to the best of my knowledge and belief, the above information is true, complete and accurate.

License Number _____ Name [Typed] _____ Signature _____

Date _____ Applicant Number: 39-0796-0518

COMMONWEALTH OF PUERTO RICO/
OFFICE OF THE GOVERNOR

Environmental Quality Board

Mailing Address: P. O. Box 11488/Santurce, P.R. 00910
Telephone No.: [7[illegible]5140] - [Exts. 222 o 227]

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION OR OPERATION OF EMISSION SOURCES IN PUERTO RICO

PART II - PLANT PROCESS AND EMISSIONS DESCRIPTION

Industrial Emissions: STACK NO. 4

1. Describe process or operation that emits atmospheric contaminants.
   Plating Laboratory fumes hood.
   Exception - Rule 206, Part C, No. 4

2. Raw material used or processed: _____ Type _____ Quantity _____ Unit/Unit Time

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
none		20 ft.	3 in.	amb °F	63.58 ft./sec.
		ft.	in.	°F	ft./sec.

5. Volume of discharge of emissions: 184 cu.ft./min.

6. Emissions: Actual Estimated-Based on: _____

Type of Pollutant	Quantity [wt./unit time]	Duration [time/unit time]

7. Attach process flow diagram[block type] showing points, amounts and types of emissions.

II. Emissions from combustion:

1. Combustion equipment: _____ Type _____ BTU/hr. or _____ Horsepower

2. Fuel:

Type	Cals./hr. or	Lbs./hr.	% Sulfur

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
		ft.	in.	°F	ft./sec.
		ft.	in.	°F	ft./sec.

III. Emissions from incineration or waste disposal:

1. Method for disposal of wastes: _____

2. Wastes: Type _____ Quantity _____ lbs/day

3. Incinerator: _____ type _____ Trade Mark _____ Capacity lbs/day

4. Chimney or stack: _____ ft. Height _____ in. Exh. Diam. _____ °F Exh. Temp. _____ ft/sec. Exh. Veloc.

5. Auxiliary fuel: _____ _____ Cals./hr. or _____ Lbs./hr. _____ % Sulfur

6. Control equipment: _____ Type _____ Efficiency % by wt.

IV. Compliance: Attach data or information showing that emissions will not exceed the established limits.

V. Control Equipment: Attach sketch of any control equipment installation at the emission source.

CERTIFICATION BY AN ENGINEER OR A CHEMIST

I Certify that I am registered and authorized to practice my profession in Puerto Rico; that the equipment and measures for the control of the emission are adequate and comply with the provisions of the Air Pollution Control regulations of the Puerto Rico Environmental Quality Board and that, to the best of my knowledge and belief, the above information is true, complete and accurate.

License Number	Name [Typed]	Signature

Date _____ Applicant Number: 39-0786-0N78

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ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

FS-cr

'87 ... 0:37

29 de julio de 1987

Sr. Robert I. Schauseil
Gerente de Planta
General Electric Co.
Apartado Postal 1D
Juana Díaz, P.R.

ASUNTO: GENERAL ELECTRIC CO.
WIRING DEVICES DEPARTMENT
PFE 39- 0786-0518-I-O

Estimado señor Schauseil:

Me refiero a su solicitud para autorización de la fuente de emisión de epígrafe.

Luego de someterse la documentación necesaria y realizarse la evaluación correspondiente, SE AUTORIZA la operación de la fuente de emisión de referencia en cuanto a contaminación atmosférica respecta. Esta autorización vencerá el día 29 de julio de 1989 y podrá ser revocada antes de esa fecha de tenerse conocimiento de que han variado las condiciones bajo las cuales se otorga o se violen las disposiciones del reglamento vigente aplicable.

Las fuentes de emisión y condiciones que se autorizan con este documento son específicamente las que se detallan en el Anejo A que forma parte de esta autorización.

Deseamos indicar que esta Junta se reserva el derecho de intervenir con dicha fuente en otros aspectos ambientales no cubiertos por esta autorización.

Cordialmente,

JUNTA DE CALIDAD AMBIENTAL

Carlos Vázquez Ayala
Miembro Asociado

Carlos M. Jiménez Barber
Vice-Presidente

Santos Roñena Betancourt
Presidente

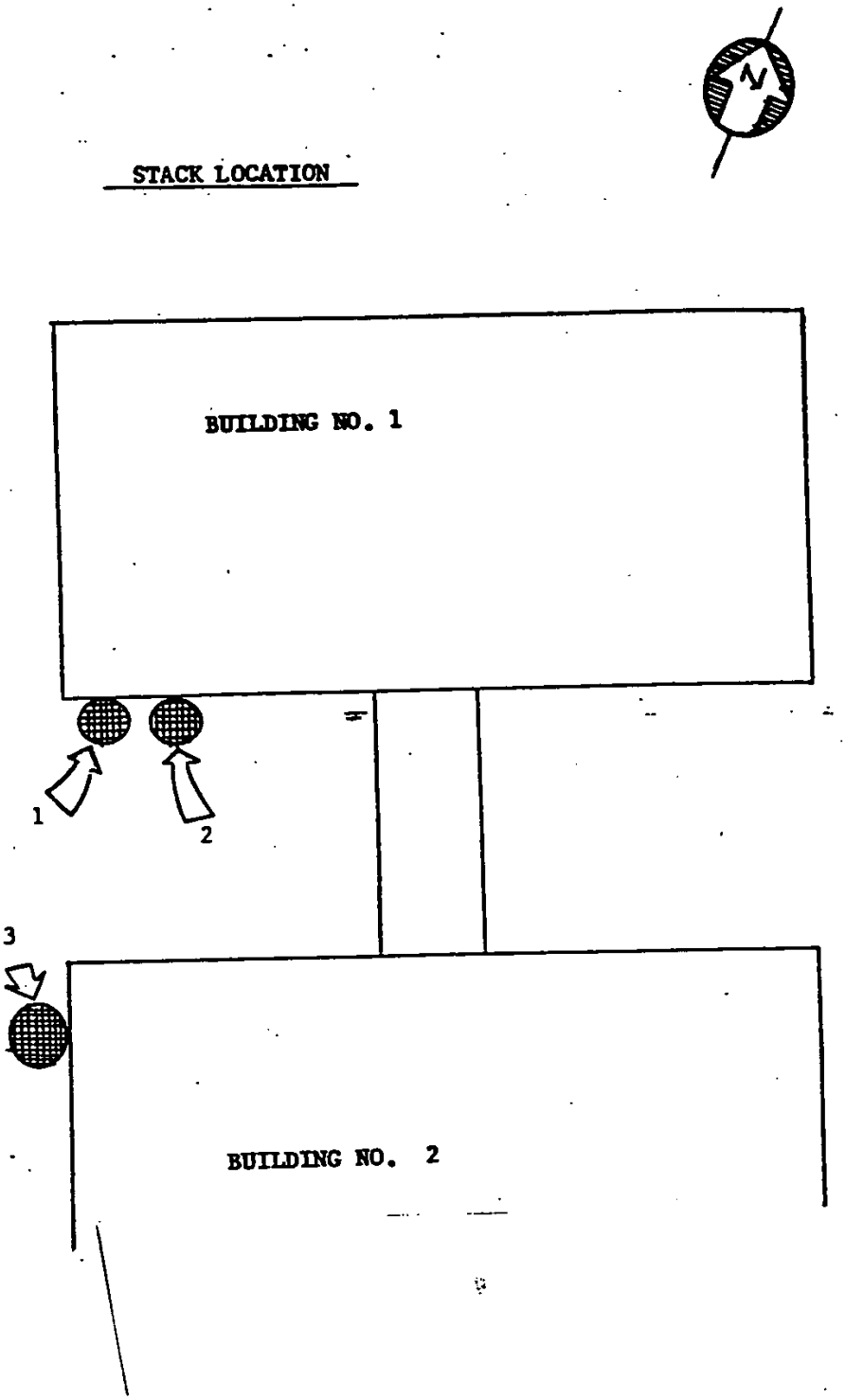
Velando por la pureza que usted desea, en el ambiente que le rodea.

GE_CARIBE000348

FUENTES DE EMISION DE PROCESO INCLUIDAS EN ESTA AUTORIZACION

Proceso	Equipo de Control	Características
Dos máquinas de sandblasting	Colector de polvo	Poseen un motor de 7 HP c/u
Dos hornos	Sistema de extracción Chimenea 15' alto y 8" diámetro	Son utilizados para endurecer las piezas de metal

STACK LOCATION



GE_CARIBE000350

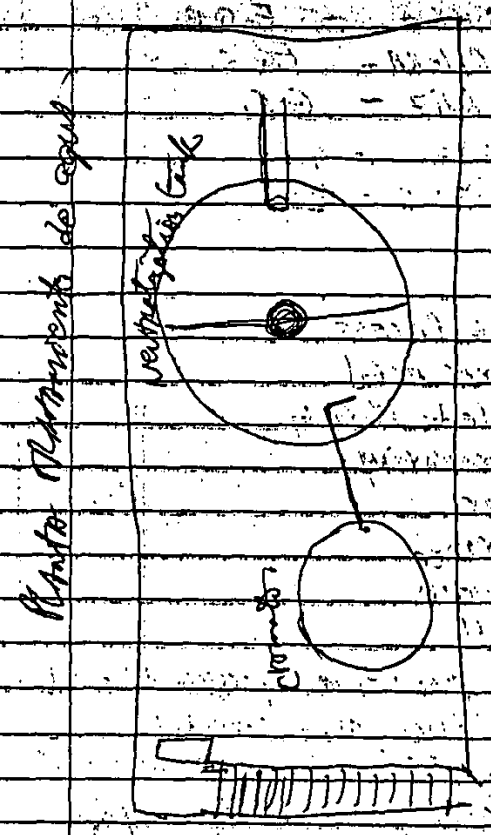
ATTACHMENT 7

Dec. 21, 19

CARIBE G.E. - JUANA DÍAZ
RFA SITE VISIT.
TIME: 1:50 P.M.

Personnel:
Aida T. Fuentes (RFA) - E.Q.B.
Néstor Rivera - E.Q.B.
Yamira L. Rivera - E.Q.B.
Milagros Ruiz - G.E.
Jose Márquez - G.E.
Stephen Brown - G.E.

I Inspection
A. MANUFACTURING Process.
Presas - scrap metal
Acero - Se le da plating
Proceso Electroplating
1- Soak cleaner
2- Electro-cleaner
3- Rinse - water
4- Rinse "
5- Acids-salts para activar superficie del metal.
6- Rinse - water. Tank corroded
7- Tin-soln. o Zinc Soln. o Nickel sol. o c
- muriatic acid para lavar algunas piezas
- había dron de nickel chloride.
8- Rinse
9- Rinse
10- chromate soln.



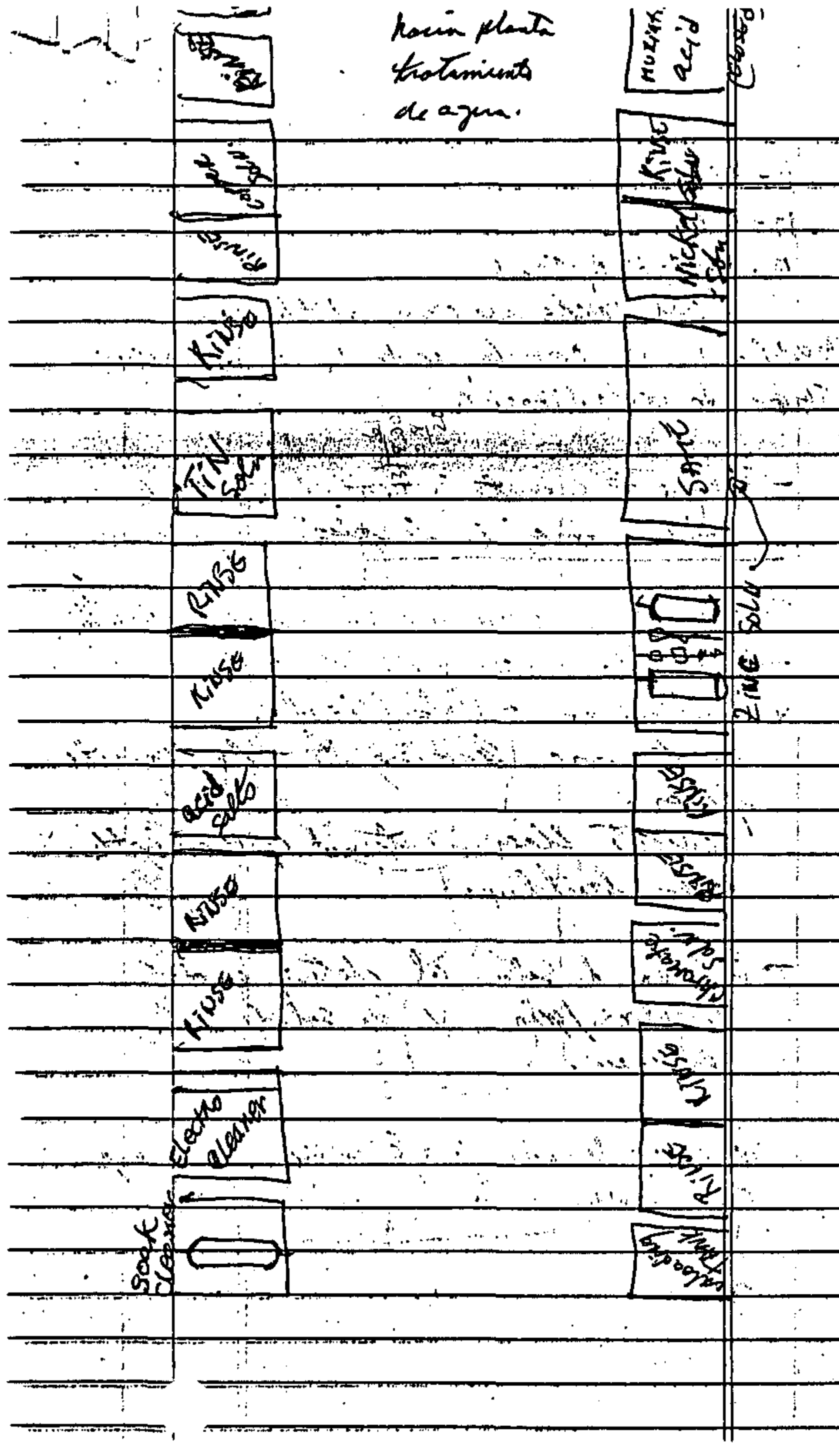
11 - RINSE
12 - RINSE
13 - Unloading Tank
Call tanks are open at the top.
TANQUE AGUA con cromato, se trata en un tanq
TANQUE de neutralización

- Tanque de cromato y neutralization tank estaba mojado el piso.

TANQUES de proceso (BAÑOS de electropla
- Tanque de RINSE y NICKEL Soln.
- Buildup on outlets (closed).
tanks are leaking to the conc floor.
Concrete floor is stained green circ green buildups

- Entrada de Soln. al plating es de 6 galns./min y de salida es proceso

Se recoge de cada 6 a 8 meses el sludg que se genera en los tanques.



- H.W.C.S.A.
  10 drums.
  4 at one side
  6 at another side.
  1 drums with a shovel inside

  3 concrete squares

P-8 - #2 Sample bottle

P-9 - Sample label

P-16 - Tank w/ the wash waters

11 - Drum

12 - Drum

13 - Drum

It was agreed that from the 1ft grid, a sub-grid will be made to choose 3 points (cores) for that 1ft grid square.

11:45 I pointed out to Mr Perez & Mr Rosas that several safety measures: eg safety boots, gloves, etc and chain of custody record sheet were not available. They were going to make copies of them.

12:00 left site to war car

Saw w/ drum size of them had remains of H.W. label. Took photos (11, 12, 13)

12:10 left Millipore

1:45 Got to G.E. Juana Diaz

1:50 Sign up at gate. Guard went to let Mr Jose Marquez know we are here

155 Meet with:
Jose Marquez
Milagros Ruiz

~~15~~ 16

Stephen Brown

Process description

Raw material so are metals

Metal strings are molded to the desired shape.

On that area they have manual with the MSDS and hazardous properties of the various products or materials they use.

Cleaning

- two washes with detergent
- two rinses
- acid - salts
- two rinses
- Tin - soln
- two rinses
- copper soln
- two rinses
- Muriatic acid
- Rinse
- Ni soln
- Zn - soln (two sets) - most pieces go by here
- two rinses
- Chromate soln
- two rinses - unloading tank

ap. same parts

P-1 - Tin sludge [illegible]
P-2 - Zn. bars
P-3 - New WWTP
P-4 - Plating area
P-5 - Old WWTP
P-6 - Old WWTP
P-7 - Water dropping
P-8 - Spill of [illegible] substance
P-9 - Old WWTP - Tank
P-10 - Close up of spilled material

They have new waste water treatment plant for the wash/waste waters generated in the plating process. This new plant will start on Jan. 9, 1988.

Old plant will be shut down.

Nickel Soln tanks are made out of fiber glass but are cracked and leaking.

The bases of all the tanks are corroded.

The leaks on the lines, see P- , are old [illegible] (rouge) is observed.

According to Mr Brown the water spilled is just plain water used for rinsing that is used also for cooling system.

According to Mr Brown, the green staining is nickel. The tank will be repaired during shut down.

P-1 - Well by [illegible]

[illegible] (Roll Wall)

[illegible]

P-1 - [illegible]

P-2 - Fill S

P-3 - Fill N

P-4 - CSA

P-5 - CSA - close up of contaminated system

P-6 - Sumps for the CSA

P-7 - Oil storage

WWTP.

Waste waters are directed to [illegible]

1st NaOH is added. In trunk they are neutralized. The chromate sol. (Cr^{+6}) are treated (reduced) to (Cr^{+3}) mixed with the other water, adjusted pH.

Sent to trunk for settlement of metals hydroxides. Water decanted and goes to PRASA. Sludge taken out by pumps and disposed as FOOG.

Usually sludge was recovered from 8 to 10 mos. New WWTP will have filter press.

Waste fill.

The eleven standpipes were observed.

A lot of plastic parts were observed also metal parts.

The run off is collected through a pipe and diverted through the side of the fill toward the land empty.

GE_CARIBE000358

P-8 - New WWTP
Filter Press on foreground

P-9 - Clarifier

P-10 - Tank for [illegible]

P-11 - TK for Cx

Oil str. Area
used is tolerably safety
Kleen

4:05 - Called Luis Rivera from Abbot
to change the appointment
to the afternoon.
Nobody answered

4:40 - Leave the Plant
Vector Rivera
~~8:47~~ 12/22/08
Clearance Inspection

8:47 - Got to Plant Abbot Mfg.

8:50 - Got pass at Mail Lobby
Meet with Ana Tirado
No pass was available for the Camera
Luis Rivera is on vacation.

9:05 - Call GE. Arecibo
Mr Hector Plascencia

original pt 1,000,000 T of FOOS process code T02
treatment is surface impoundment
Still bottoms of acetone & methylene chloride
are treated with acetic acid and
are sent to a surface impoundment
of the WWTP.

ATTACHMENT 8

TOTAL MANIFEST OF: CARIBE GE PROD.,INC. JUANA DIAZ PLANT
EPA ID. NO. : PRD090282757

#1 TRANSP ID NO. / NAME & DATE
#2 TRANSP ID NO. / NAME & DATE
#3 TRANSP ID NO. / NAME & DATE
TSD FAC. ID NO. & NAME

GENERATOR ID NO. & NAME / DOC. NO.	FORM	NET QUANTITY	UNITS	CONTAINERS NO.	TYPE	HAZ CODE	WASTE TYPE	DATE SHIPPING
PRT000010306	EMILIO BARBOSA VELEZ INC.							//
PRD000726810	PUERTO RICO MARINE MANAGEMENT INC							//
								//
LAD000618298	CECOS INTERNATIONAL LIVINGSTON FACILITY							//
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT							//
PR01	02	04070	01	074	01	T	F001	03/25/83
PRD000692566	CARRERAS TRUCKING COMPANY							11/26/86
								/ /
							Waste Oil, Combustible Liquid NA 1270	/ /
PRD090399718	SAFETY KLEEN ENVIROSYSTEMS							/ /
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT							11/26/86
PR00001		02200.00	G	040	DM		D001	S01
PRD000692566	CARRERAS TRUCKING COMPANY							01/27/87
								/ /
							Waste Oil, Combustible Liquid NA 1270	/ /
PRD090399718	SAFETY KLEEN ENVIROSYSTEMS							01/27/87
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT							01/27/87
PR00002		00715.00	G	013	DM		D001	S01
PRD980526362	CO. PONCENA DE TRANSPORTE INC							05/05/87
PRD090559360	TRAILER MARINE TRANSPORT CORP							05/05/87
LAD000618298	CECOS INTERNATIONAL LIVINGSTON FACILITY							06/01/87
LAD000618298	CECOS INTERNATIONAL LIVINGSTON FACILITY							06/02/87
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT							05/05/87
PR00005		05000.00	G	001	TT		F006	D81
PRD000706291	ASHLAND CHEMICAL COMPANY							11/13/86
PRD000726810	PUERTO RICO MARINE MANAGEMENT INC							/ /
ALD004031928								/ /
ALD000622464	CHEMICAL WASTE MANAGEMENT, INC.							/ /
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT						Waste Corrosive Liquid NOS (Spent Cleaners & Spent plating bath)	11/13/86
PR0003		00100.00	G	002	DM		D002	D81
PRD000706291	ASHLAND CHEMICAL COMPANY							03/13/86
PRD000726810	PUERTO RICO MARINE MANAGEMENT INC							04/09/86
ALD004032028								04/28/86
ALD000622464	CHEMICAL WASTE MANAGEMENT, INC.							04/28/86
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT							03/13/86
PR002		00550.00	G	010	DM		F006	D81
PR002		00500.00	L	001	DM		PCB	D81

Small PCB capacitors containing less than 3 lbs liquid ea.

TOTAL MANIFEST OF: CARIBE GE PROD.,INC. JUANA DIAZ PLANT
EPA ID. NO. : PRD090282757

#1 TRANSP ID NO. / NAME & DATE
#2 TRANSP ID NO. / NAME & DATE
#3 TRANSP ID NO. / NAME & DATE
TSD FAC. ID NO. & NAME

GENERATOR ID NO. & DOC. NO.	NAME FORM	NET QUANTITY	UNITS	CONTAINERS NO.	TYPE	HAZ CODE	WASTE TYPE	HANDLING CODE
********	****	********	*****	***	****	****	****	**********
PRD000692566	CARRERAS TRUCKING COMPANY							05/11/87
								00/00/00
								00/00/00
PRD090399718	SAFETY KLEEN ENVIROSYSTEMS							05/11/87
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT							05/11/87
PR87003		00385.00	G	007	DM		D001	S01
PRD000706291	ASHLAND CHEMICAL COMPANY							06/17/87
PRD000726810	PUERTO RICO MARINE MANAGEMENT INC							/ /
ALD004031928								/ /
ALD000622464	CHEMICAL WASTE MANAGEMENT, INC.							/ /
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT							06/17/87
PR87004		00770.00	G	014	DM		F006	D81
PRD090399718	SAFETY KLEEN ENVIROSYSTEMS							08/26/88
								//
								//
PRD090399718	SAFETY KLEEN ENVIROSYSTEMS							08/26/88
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT							08/26/88
PR88003		00024.00	G	002	DM		D001	T63
PRD090399718	SAFETY KLEEN ENVIROSYSTEMS							05/20/88
								/ /
								/ /
PRD090399718	SAFETY KLEEN ENVIROSYSTEMS							05/20/88
PRD090282757	CARIBE GE PROD.,INC. JUANA DIAZ PLANT							05/20/88
PR88002		00012.00	G	001	DM		D001	T63

MANIFEST TOTAL -> 10

LISTING MANIFEST

12/15/88 HAZARDOUS WASTE MANIFEST

TOTAL MANIFEST OF: CARIBE GE PROD.,INC. JUANA DIAZ PLANT

EPA ID. NO. :

1985

#1 TRANSP ID NO. / NAME & DATE
#2 TRANSP ID NO. / NAME & DATE
#3 TRANSP ID NO. / NAME & DATE
TSD FAC. ID NO. & NAME

GENERATOR ID NO. & NAME		NET		CONTAINERS		HAZ	WASTE	HANDLING
DOC. NO.	FORM	QUANTITY	UNITS	NO.	TYPE	CODE	TYPE	CODE
********	****	********	*****	***	****	****	****	**********

MANIFEST TOTAL -> 0

ATTACHMENT 9

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
A WHOLLY OWNED AFFILIATE OF THE GENERAL ELECTRIC COMPANY

STATE ROAD NO. 149, Km. 67.2
P. O. BOX AE.
JUANA DIAZ, PUERTO RICO 00665
PHONE (809) 837-2500

STREET "A", EL TUQUE INDUSTRIAL PARK
P. O. BOX 7236
PONCE, PUERTO RICO 00731
PHONE (809) 843-4242

June 1,1987

Sra. Raquel G. Cortes
Acting Director
Land Pollution Control Area
Environmental Quality Board
P.O. Box 11488
Santurce, Puerto Rico 00910

3-B

Dear Mrs. Cortes:

In November 1980, the General Electric Co., Wiring Devices Dept., Juana Diaz Plant, Juana Diaz, Puerto Rico (EPA ID.NO.PRD090282757) submitted a RCRA Part A permit application to become a storage/ treatment facility for hazardous wastes. At that time we were anticipating the need for greater than 90 days storage.

Since that time we have obtained the services of two (2) hazardous waste haulers that will transport hazardous wastes from our site within a 90 day period, thus enabling us to become a hazardous waste generator only.

With this in mind, we would like to withdraw our RCRA Part A permit application and request a change in status to GENERATOR only. As a result of this change, Part B permit application will not be required. We realize that our plant is still subject to hazardous waste regulations which apply to generators and we plan to comply with these regulations.

Please let us know , in writting, the necessary steps that we have to follow in order to withdraw part A.

We would like to receive a written answer to this request. If you have any questions, please call Mr. Jose Marques at 837-2500. Thank you very much for your attention.

Cordially yours,

Heriberto Robles
Manager- Mfg. Tech.

cc: EPA, Region II, New York
File

ATTACHMENT 10

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental Quality Board

September 19, 1984

MEMORANDUM

TO : María V. Rodríguez
Acting Chief
Inspection, Monitoring
& Surveillance Section

FROM : Eng. Jesús M. Medero

SUBJECT : Full RCRA Inspection of G.E. Co. Wiring Devices
PRD090282757

Enclosed please find the following documents related with the inspection performed to the previously mentioned company on September 4, 1984:

1) RCRA Inspection Form

2) Summary of Findings

3) Summary of Conclusions and Recommendations

4) Notice of Deficiencies (NOD) letter

5) Coding Sheet

Your comments will be greatly appreciated. Thank you.

OFFICE OF THE BOARD: 204 DEL PARQUE ST. CORNER OF RUMAPADA / MAILING ADDRESS: P.O. BOX 11488, SANTURCE, PUERTO RICO 00910 / TELEPHONE [illegible]

SUMMARY OF FINDINGS

The company G.E. Co. Wiring Devices (hereinafter referred as the company) located in P.R. Road 149 Km. 67.2 Juana Díaz, Puerto Rico, was visited by EQB personnel on September 4, 1984 with the purpose of performing a Full RCRA Hazardous Waste Generator, Transporter and TSD Facility inspection. The telephone and EPA I.D. numbers of the company are (809) 837-2500 and PRD090282757, respectively.

The EQB inspector interviewed Mr. José A. Marqués, Manufacturing Engineer of the company, during the inspection.

The following important aspects/findings were obtained as a result of the inspection:

1) The company possess a sanitary landfill for mercury waste disposal. This landfill is not actually in operation and is actually under the surveillance and corrective action of Superfund (CERCLA) Program.

2) The company has never transported wastes out of its facility although it is classified as a Hazardous Waste Transporter.

3) The area utilized for spent oil storage is not adequate for spills. A total of twenty two (22) unlabeled drums were observed in the area and a small quantity of oil was observed in the floor. The area is not labeled properly and it is exposed to rainfall. A storm-drainage half pipe lies in the front of the area (some oils were observed to be present in the pipe at the time of the inspection).

4) A total of approximately eighty (80) drums of electroplating sludge (waste #F006) were sent to Louisiana by the company about three (3) weeks ago for ultimate waste disposal. This was the first time the company made arrangement for waste final disposal. BFI was the company in charge of waste transport .

5) The hazardous wastes that are being generated in the present by the company are F006 and D000 (spent flammable oils). The other wastes reported in the Notification of Hazardous Waste Activity by the company (wastes F007, F008 and F009) are not actually generated as result of company activities.

6) The electroplating sludge holding tanks (2) at the company are utilized for sludge dewatering and storage. These tanks are surrounded by dikes for spill confinement. However, the sludges are transferred from the holding tanks to 55 gal. drums for further dewatering. These drums were found uncovered in the majority of the cases and without labels (15 of them were present), and in an area that is not adequate for spill control. The area is not labeled as a hazardous waste area and is not protected by a fence. The sludges are transferred (after dewatering) from these drums to other 55 gal. drums. These last mentioned drums are then labeled properly (according to Mr. Marqués since no hazardous waste drums were observed to be prepared for transport at the time of inspection), and transferred to the raw materials storage area (described in Finding #7).

7) The raw materials storage area (also utilized for the storage of the hazardous waste drums that are labeled for transport outside company facilities) is covered by a ceiling, fenced, and it has provisions for spill collection and confinement (dikes are provided and a series of channels in the floor collect the waste and drain it to an underground storage tank). However, the area is labeled only as raw materials storage area and not as a hazardous waste storage area. No hazardous wastes were present in this storage area at the time of inspection.

SUMMARY OF CONCLUSIONS AND RECOMMENDATIONS

The company G.E. Co. Wiring Devices is in violation of the following rules of the Regulation for the Control of Hazardous and Non - Hazardous Solid Wastes, amended version:

1) Rule 302 (A) - Lack of a spill confinement and control system for spills that may occur on the oil and electroplating sludge drum storage areas.

2) Rule 704 (B) - Labeling and Marking of Hazardous Waste Storage Drums is not provided during storage.

3) Rule 812 (B) - Uncovered Hazardous Waste Storage Drums in areas exposed to rainfall. This condition may cause a spill. Also, this rule is violated by the same reasons stated in 1). Adequate container closure and a storage area with ceiling should be provided for these drums (as in the raw materials storage area). The company should be oriented to develop a storage area exclusively for hazardous wastes (oils and electroplating sludge) and with all the necessary provisions to comply with EQB regulations.

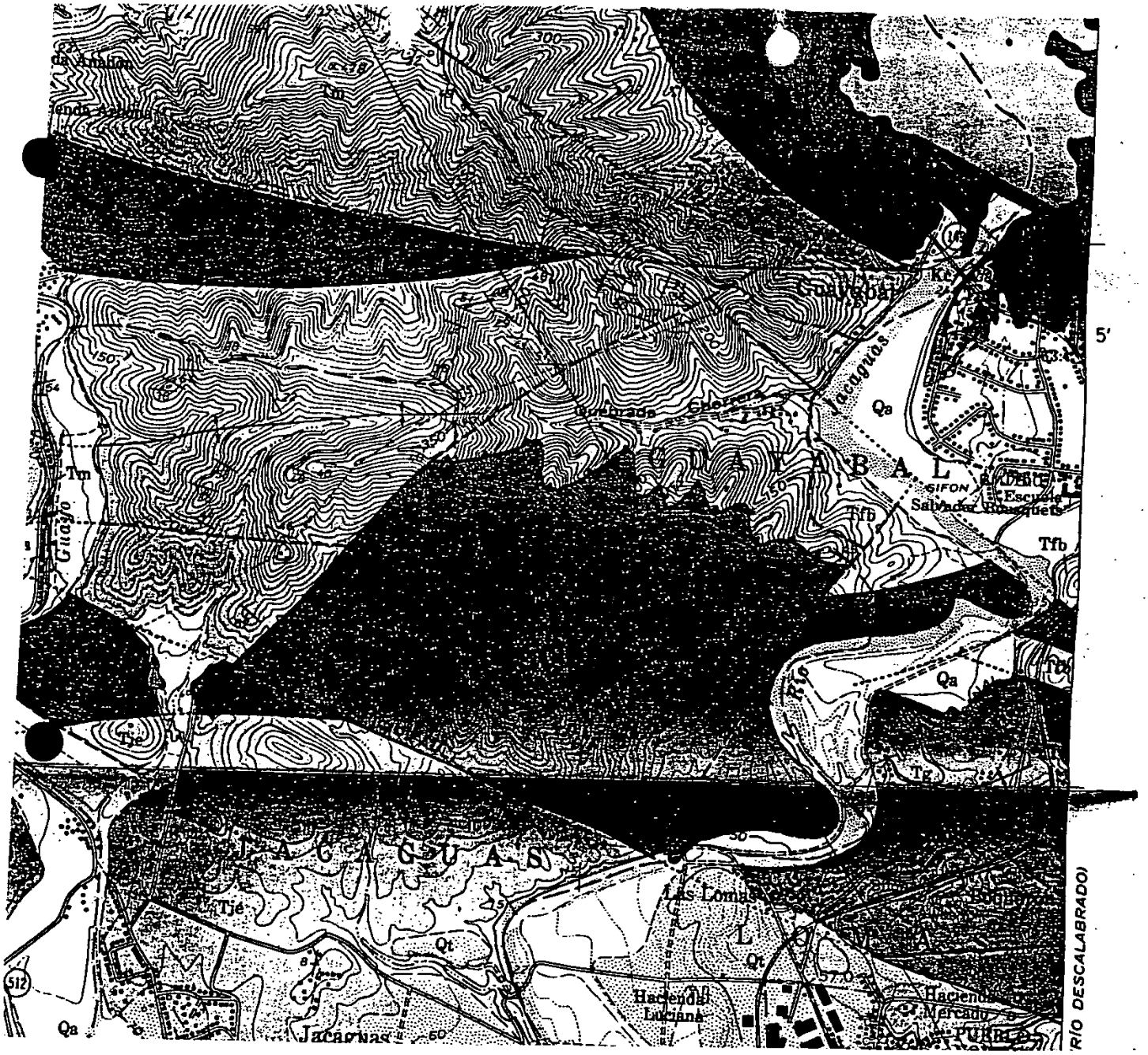
4) Rule 803 (D) - Lack of artificial barriers to prevent the entrance of non-authorized personnel to hazardous waste storage facilities (lack of fences) and of posted signs at storage areas indicating the danger involved.

The 55 gal. drums utilized for sludge dewatering at the company are utilized as treatment and storage tanks according to EQB regulations. Therefore, all the requirements of Rule 813 should be fulfilled in this drum storage area if the company decides to continue with this activity. A letter should be sent to the company explaining the results of the inspection and the violations incurred. A period of forty-five (45) days should be given to the company for making arrangements to correct such violations .

All of the above mentioned aspects/findings, conclusions and recommendations were observed and/or made by:

Jesús M. Medero, Env. Inspector

ATTACHMENT 11



GE_CARIBE000372

ATTACHMENT 12

Alluvium

The Holocene alluvium of this region is composed of sediments deposited by the Rio Jacaguas and includes sands, silts, clays and gravels. Recent water level data for this aquifer are not presently available for the Juana Diaz area; however, a well drilled by the Puerto Rican Aquaduct and Sewer Authority in 1959 indicated that the water level was about 35 feet below the ground surface. The alluvium is the major source of ground water in the area. A well field south of the site (Figure 2) supplied approximately 3.7 mgd of ground water to Juana Diaz in 1966 (Giusti, 1969) Ground-water withdrawals probably have not increased significantly since 1966; however, there are no recent data to substantiate this belief (Torres-Gonzales, 1981). The alluvium has been reported as a potential source for further development through induced infiltration (Guisti, 1969).

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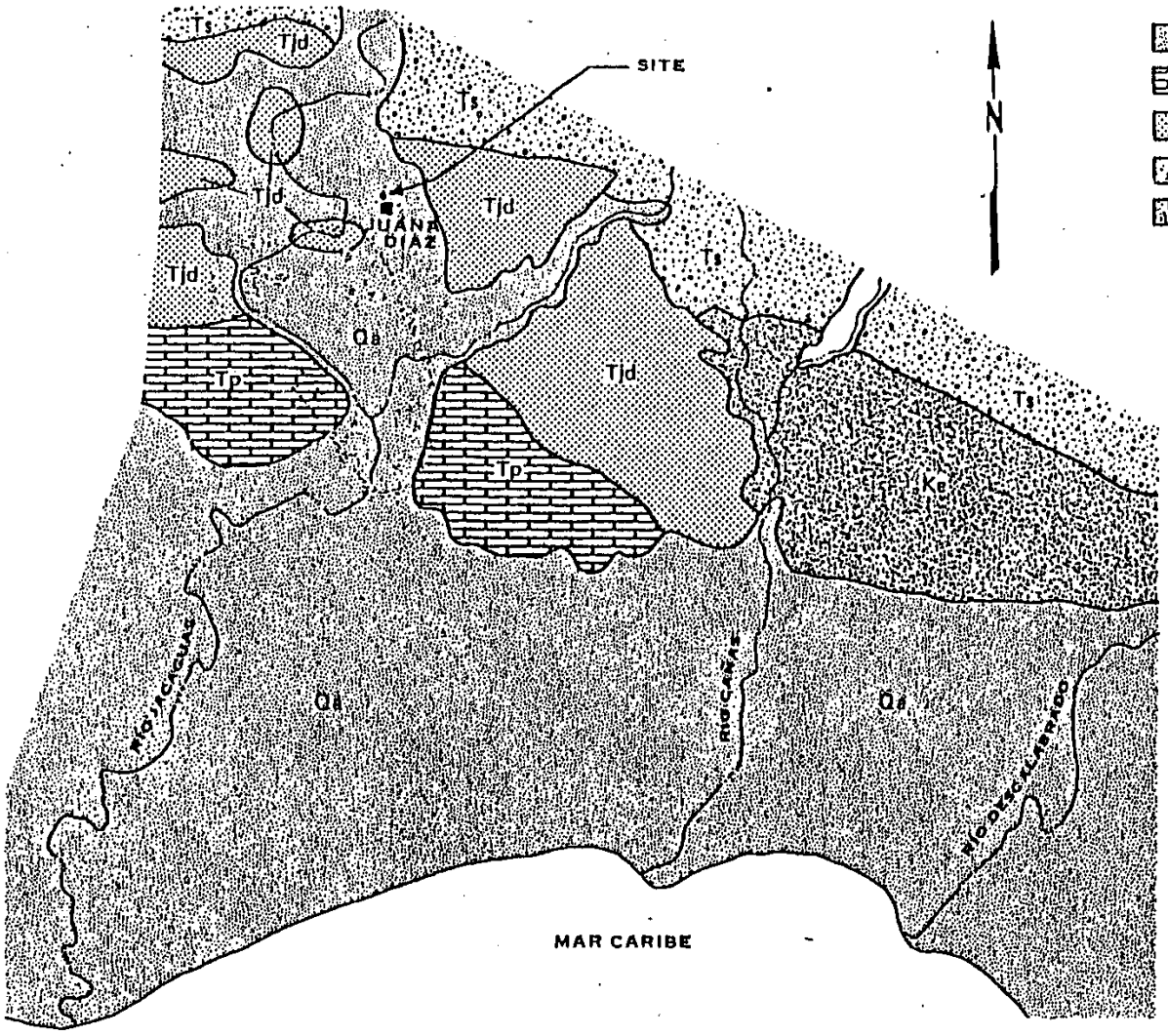

GEOLOGIC UNITS

IN THE VICINITY OF THE SITE

ATTACHMENT 13

GE Lighting

Wiring Devices
Caribe General Electric Products, Inc.
PO Box 1430, Juana Diaz, PR 00665
809 837-2500

AUG 17 1988

Flor del Valle
Director
Land Pollution Control Area
ENVIRONMENTAL QUALITY BOARD
P.O. Box 11488
Santurce, Puerto Rico 00910

RE: Caribe G. E. Products, Inc.
Juana Diaz Plant
PRD090282757
RCRA Facility Assesment

Dear Mrs. del Valle:

Enclosed you will find the completed Questionnaire that was attached to your letter of August 11, 1988.

Cordially yours,

Jose A. Marques

Jose A. Marques
Mfg. Engr.

Enc.

cc: Milagros Ruiz - GEPRO
Aida Fuentes - EQB
File

QUESTIONNAIRE

Information Regarding Potential Hazardous Waste and Hazardous Waste Constituents Releases From Solid Waste Management Units

Facility Name : CARIBE GENERAL ELECTRIC PRODUCTS, INC.

EPA I.D. NO. : PRD090282757

Location : Street CALLE CARRION MADURO

City & State : JUANA DIAZ, PUERTO RICO

Check : owner XX operator _____

Please review the following definitions prior to proceeding to page 2.

I. Under the Resource Conservation and Recovery Act (RCRA) amendments of 1984, the term "solid waste" means any garbage, refuse, sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility and other discarded material, including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges which are point sources subject to permits under section 402 of the Federal Water Pollution Control Act, or byproduct material as defined by the Atomic Energy Act of 1954. A solid waste is defined in 40 CFR 261.2.

II. A hazardous waste is a solid waste that is either listed in 40 CFR; Part 261; Subpart D ("List of Hazardous Wastes") or possesses one or more of the characteristics identified in 40 CFR; Part 261; Subpart C ("Characteristics of Hazardous Waste") and is not excluded in 40 CFR 261.4.

III. The Hazardous Constituents are listed in 40 CFR; Part 261; Appendix VIII (Hazardous Constituents).

W.D.P.R. INC.
G.E. CO.-JUANA DIAZ

'88 AGO 12 A9:18

RECEIVED

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1430
JUANA DIAZ, P.R. 00665

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1430
JUANA DIAZ, P.R. 00665

IV. The term "solid waste management unit" (SWMU) applies to any landfill, surface impoundment, waste pile, land treatment unit, incinerator, tank (including 90 days accumulation tank), injection well, transfer station, waste recycling operation, container storage area, waste handling area that currently or formerly was used to manage a solid waste.

V. Under the requirements of the Hazardous and Solid Waste Act Amendments of 1984, Section 3004(u) of the RCRA amendments mandates that EPA address contamination caused by prior releases of hazardous wastes and hazardous constituents from solid waste management units, regardless of the time when the waste was placed in the unit or when the unit was closed.

VI. The term "tank" includes wastewater treatment units, elementary neutralization units and short-term accumulation units that are exempted from RCRA permit requirements.

VII. The term "release" includes any spilling, leaking, pumping, pouring, emitting, discharging, injection, escaping, leaching, dumping or disposing into the environment, but excluding releases otherwise permitted under law (e.g., NPDES permitted discharges).

SPECIFIC INFORMATION

1) Are there any of the following solid waste management units existing or closed at your facility? Include any units you are aware of that were used by previous owners.

	Yes	No
. Landfill	X	
. Surface Impoundment		X
. Dump-pit or Leach Field		X
. Land Treatment Plant		X
. Waste Pile		X
. Incinerator		X
. Storage Tank (above ground)		X
. Storage Tank (below ground)		X
. Container Storage Area	X	
. Injection Wells, Sink Holes		X
. Wastewater Treatment Units	X	
. Transfer Stations		X
. Waste Recycling Operations		X
. Other (specify)		X

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1130
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(For items 2-4, if the space provided is not sufficient, use additional sheets as necessary and specify the item being answered).

2) If there are "Yes" answers to any of the items in number one above, please provide the following:

A. A description of the wastes that were stored, treated or disposed of in each unit. Quantity or volume of waste, if known.

1. LD-1 LANDFILL- MERCURY CONTAMINATED

2. CSA-1 WASTEWATER TREATMENT SLUDGES , F006

3. CSA-2 NON-REGULATED, NON-HAZARDOUS USED OIL

4. CSA-3 NON-REGULATED METAL SCRAP

5. WWT-1 CHROME REDUCTION

6. WWT-2 CHEMICAL PRECIPITATION

7. WWT-3 SLUDGE SETTLING TANK

B. Determine, as best you can, if the particular waste would be considered a hazardous waste or hazardous constituent under RCRA (See definitions on page one).

2. CSA-1 WASTEWATER TREATMENT SLUDGES, F006,

LISTED WASTE

C. A description of each unit including: type, capacity, location of each existing or closed unit on the topographic map and on a site plan; engineering drawings for each unit if available; dimensions and materials of construction of each unit; dates when the unit was in operation.

PLEASE REFER TO PAGES 6 & 7 FOR DETAILS

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3) For each unit noted in number one, please provide the following information on any prior or current release of hazardous waste or hazardous constituents.

   i) Source of information that has led to the possibility that a release has occurred (i.e. discoloration of surrounding soil)
   ii) Date(s) of release
   iii) Groundwater monitoring data for units
   iv) Type of waste/material released
   v) Quantity or volume of waste/material released
   vi) Nature of release (i.e., spill, overflow, ruptured tank or pipeline, leachate from landfill or surface impoudment, etc.)

N/A

4) With regard to the prior releases described in number three above, please provide (for each unit) any analytical data that may be available which would describe the nature and/or extent of environmental contamination that exists as a result of such releases. In addition, any information on the concentration of hazardous waste or hazardous

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[illegible]
[illegible]

constituents present in contaminated soil, groundwater or surface water should be attached. Include any information/ data (including groundwater monitoring data) submitted to EPA and the State under any other regulatory programs (i.e. Superfund, In place toxics, etc.) that concerns prior or continuing releases as described above.

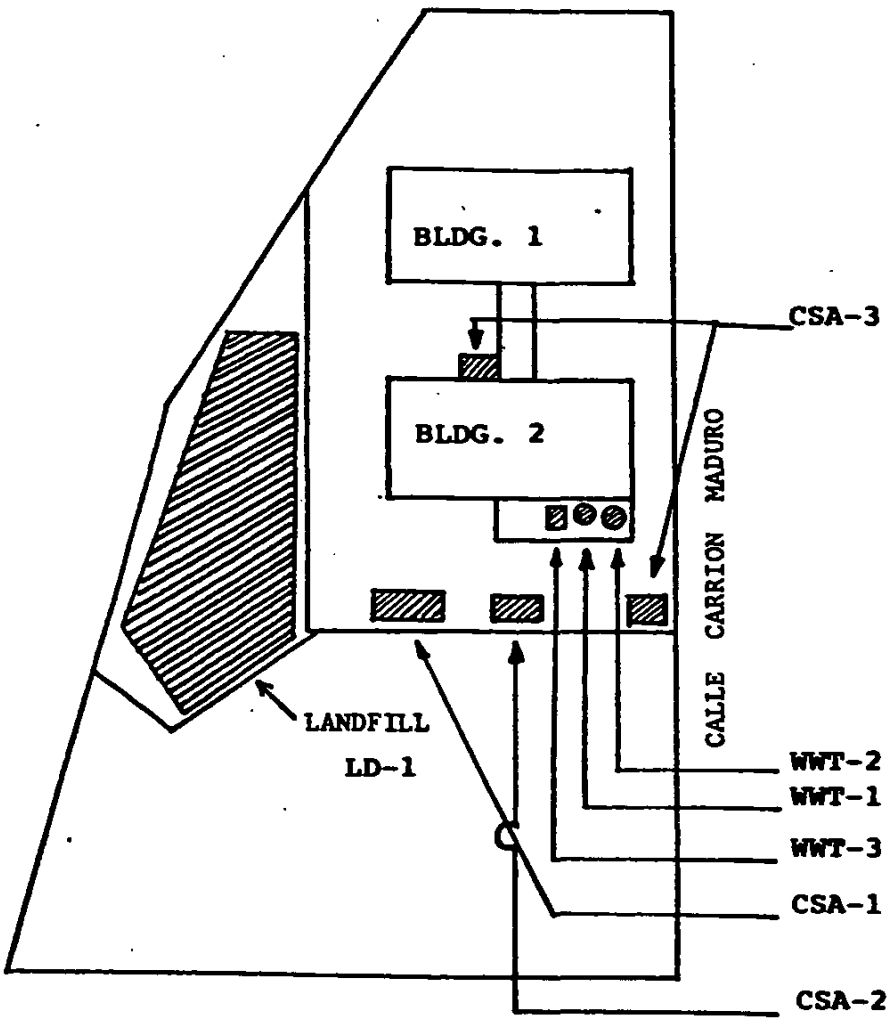
N/A

5) If you do not have any record of a SWMU on your site, is there any evidence from soil borings, drilling of groundwater wells, groundwater monitoring results, exploratory pits or any excavations that would indicate the presence of a SWMU or that a release of hazardous waste or hazardous constituent has occurred (Please describe the type of activity and observations that led to the discovery)?

N/A

ATF/eas

GENERAL ELECTRIC COMPANY
WIRING DEVICES DEPT.
JUANA DIAZ PLANT



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QUESTION 2-C.

1. LD-1 THIS LAND DISPOSAL UNIT IS A LANDFILL WITH SOIL MERCURY CONTAMINATION. IT IS INCLUDED IN THE NATIONAL POLLUTANT PRIORITY LIST AND HAS BEEN UNDER THE SUPERFUND SINCE 1981. EPA IS CURRENTLY EVALUATING THE F.S. INACTIVE SWMU.

2. CSA-1 CONTAINER STORAGE AREA. USED FOR STORAGE OF F006 , WASTE-WATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS. AREA- 600 SQ-FT. 125 DRUMS CAPACITY. IN OPERATION SINCE 1980. ACTIVE SWMU .

3. CSA-2 CONTAINER STORAGE AREA. USED FOR STORAGE OF NON-REGULATED NON-HAZARDOUS USED OIL. AREA 180 SQ-FT. 20 DRUMS CAPACITY. IN USE SINCE 1986. ACTIVE SWMU .

4. CSA-3 CONTAINER STORAGE AREA. USED FOR STORAGE OF NON-REGULATED SCRAP METALS FROM STAMPING OPERATIONS. AREA 636 SQ-FT. 100 DRUMS CAPACITY. IN USE SINCE 1981. ACTIVE SWMU.

5. WWT-1 WASTEWATER TREATMENT UNI. USED FOR REDUCTION OF CHROMATE. SIZE 125 GALLONS. IN USE SINCE 1971. ACTIVE SWMU .

6. WWT-2 WASTEWATER TREATMENT UNIT. USED FOR NEUTRALIZING / CHEMICAL PRECIPITAION OF METALS. SIZE 500 GALLONS. IN USE SINCE 1971. ACTIVE SWMU .

7. WWT-3 WASTEWATER TREATMENT UNIT. USED FOR SEDIMENTATION OF SLUDGES. SIZE 6000 GALLONS. IN USE SINCE 1971. ACTIVE SWMU.

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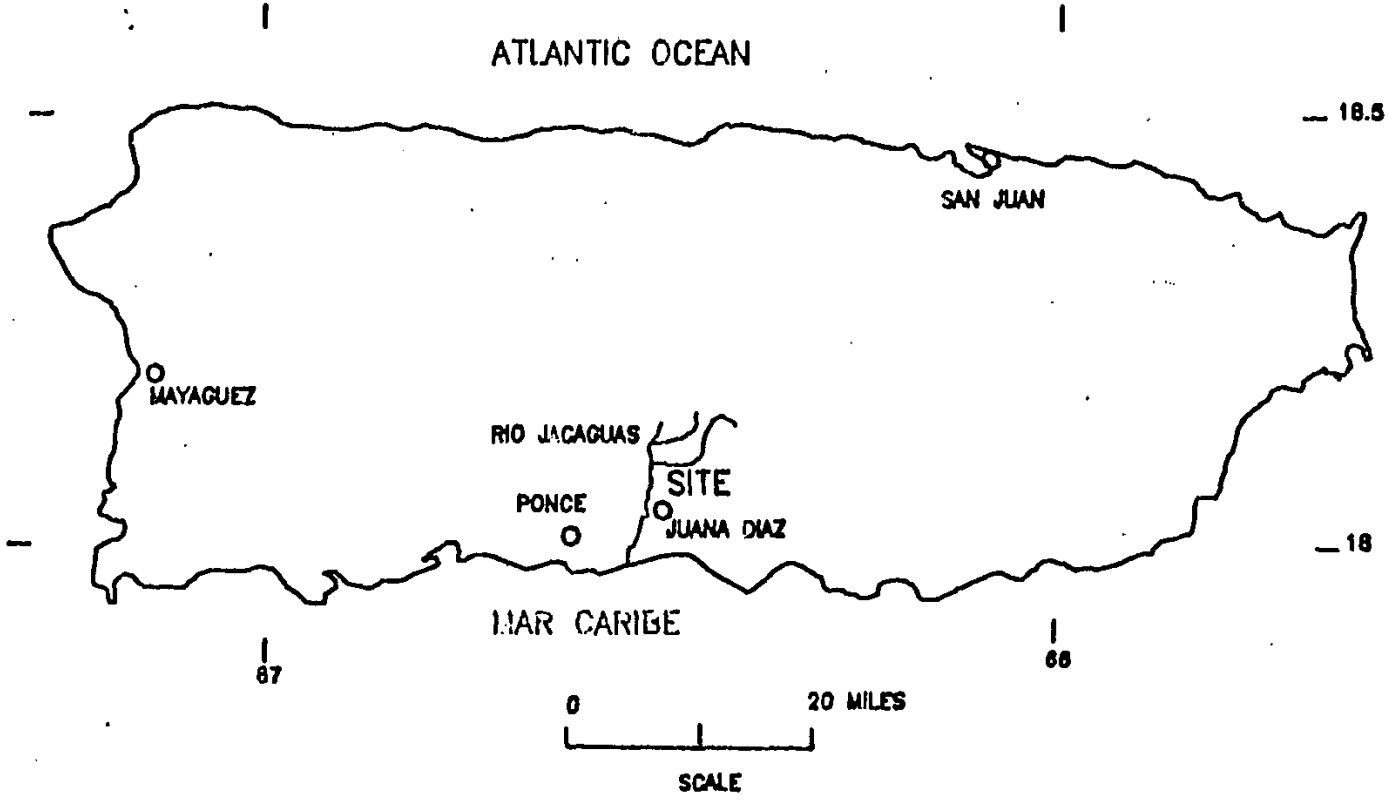
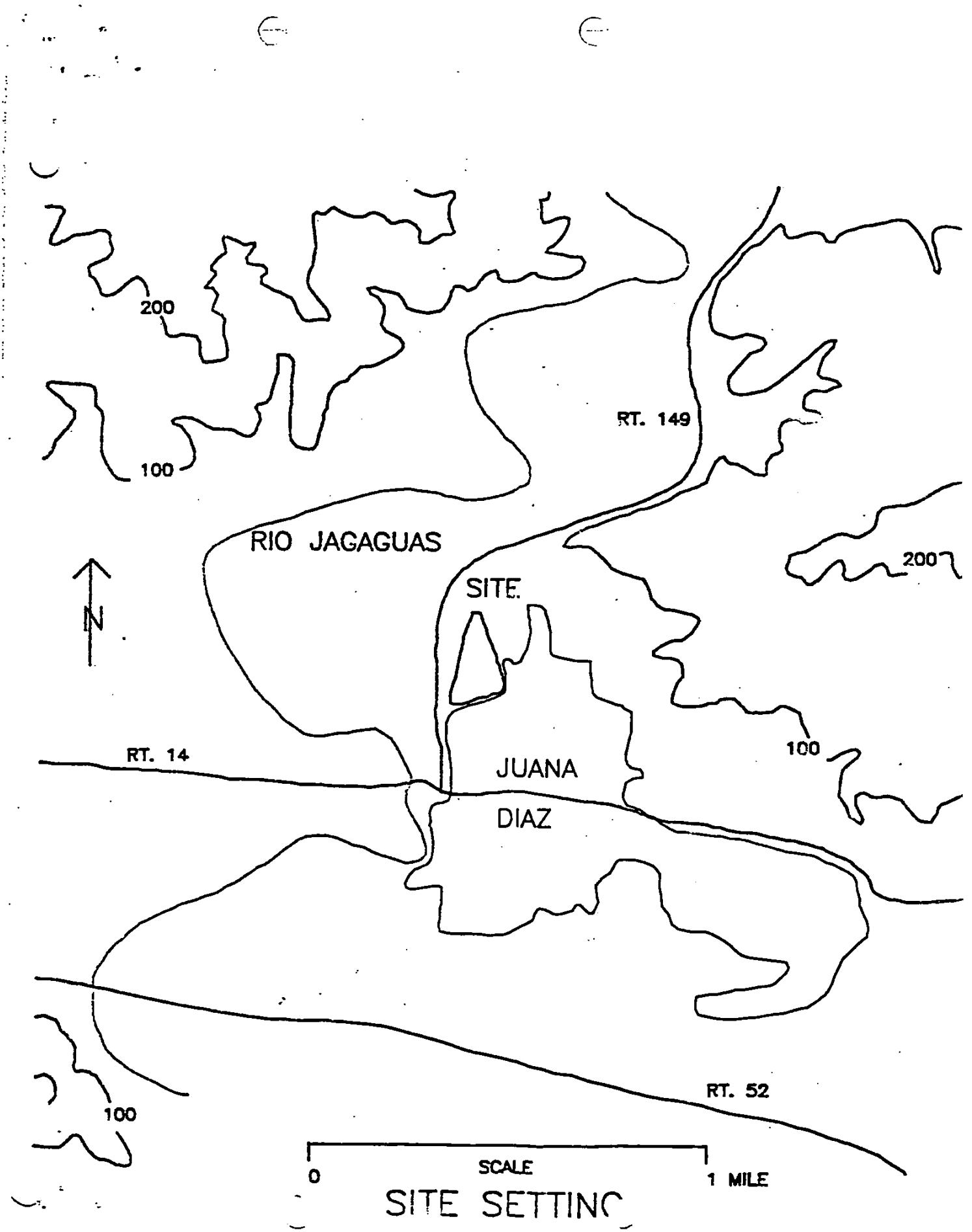
P.O. [illegible]
[illegible], P.R. [illegible]

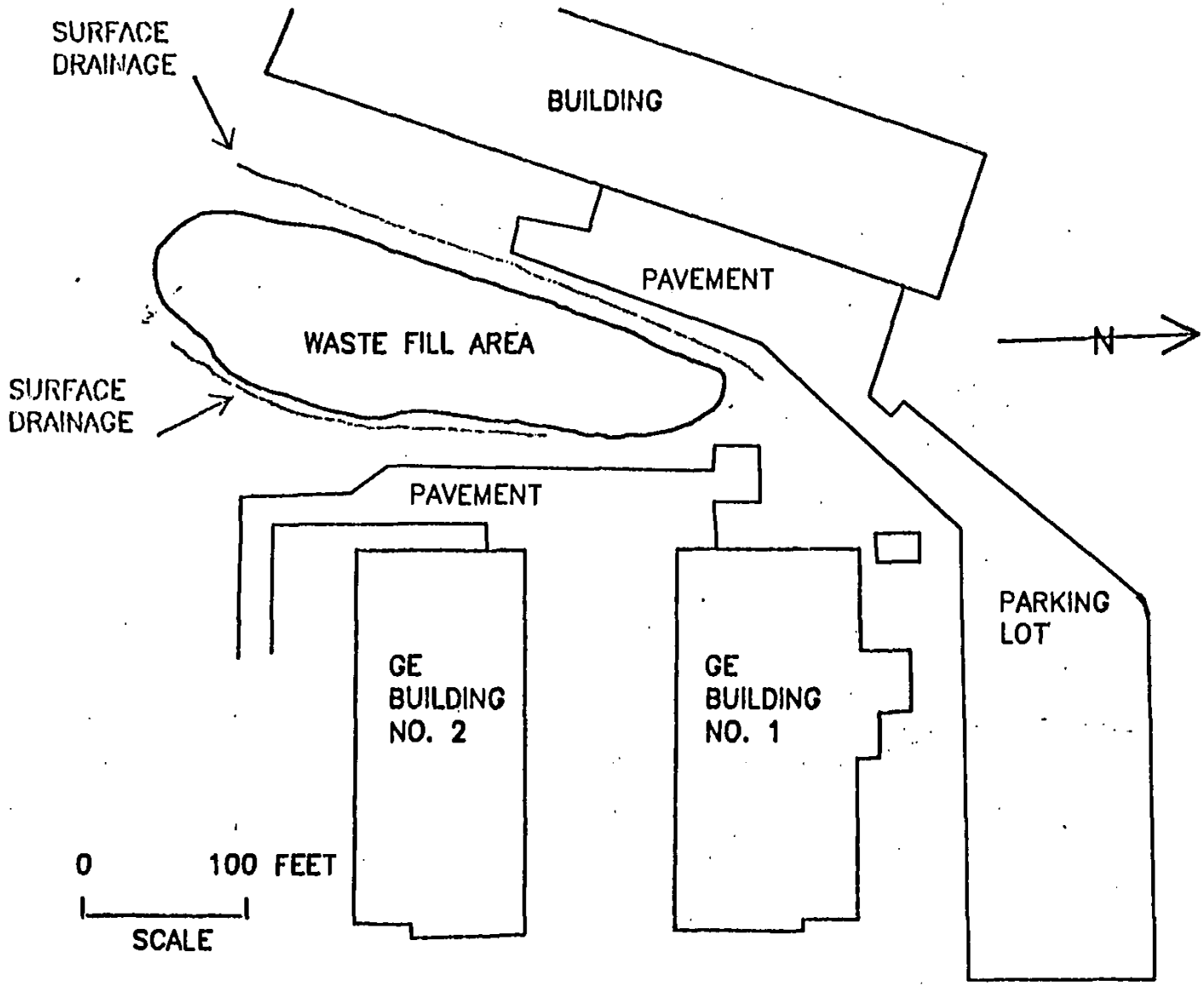
ATTACHMENT 14



GENERAL LOCATION MAP



SITE SETTING



GENERALIZED SITE SETTING

ATTACHMENT 15

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ATTACHMENT 16

GEOLOGY AND GROUND WATER IN THE VICINITY OF THE SITE

The site is situated in Holocene coastal-plain alluvium deposits (Figure 2). The alluvium is composed of a mixture and random assemblage of clays, sands and gravels. The alluvium is the most important ground-water reservoir; however, no general traceable sand or gravel layers have been reported. The water table fluctuations are directly related to the rainfall, ground-water withdrawl, and water levels in the Rio Jacaguas. The alluvium is also reported as the source of base flow for this river system.

A well owned by the Puerto Rican Aqueduct and Sewage Authority indicates that the top of the Juana Diaz Formation (rock) occurs at a depth of about 45 feet in the vicinity of the site.

GE_CARIBE000391

2.1.1 Regional Hydrogeology

The site is situated in Holocene coastal-plain alluvium deposits (Figure 4). The alluvium is composed of a mixture and random assemblage of clays, sands and gravels. The alluvium is the most important ground-water reservoir; however, no general traceable sand or gravel layers have been reported. The water table fluctuations are directly related to the rainfall, ground-water withdrawal, and water levels in the Rio Jacaguas. The alluvium is also reported as the source of base flow for this river system. Ground-water flow in the regional alluvial aquifer is generally south toward Mor Caribe (Figure 5).

A well owned by the Puerto Rican Aqueduct and Sewage Authority (PRASA) indicates that the top of the Juana Diaz Formation (rock) occurs at a depth of about 45 feet in the vicinity of the site.

2.1.2 Site Geology

The subsurface conditions were explored by a series of soil test borings and test pits performed during various phases of study. The four soil test borings were performed during late 1982. The borings and standard penetration tests were conducted in accordance with applicable ASTM standards.

The basic units are described for the site and include in descending order the waste fill, a silty clay stratum and alluvium. New data have been utilized and incorporated into data from previous reports containing site subsurface conditions prepared by Law Engineering. Reference is made to documents 13, 15, 30 and 36. A site hydrogeologic profile is provided on

GE_CARIBE000392

Figure 6 and a profile location map is provided on Figure 7.

Waste Fill

A waste material fill overlies the natural soils at the site. This fill is composed of a variety of materials including plastic fragments from molding operations, broken or defective wiring device components, rubble and miscellaneous trash.

The approximate limits of the primary waste fill area are indicated in Figure 1. Within this area the waste fill typically ranges in thickness from about 2 to 5 feet as indicated in the test pit records from documents 13 and 15. A shallow covering of waste fill (typically less than 1 foot thick) also extends beyond the primary limits of the fill as noted in the records of test pits 1, 2, 3, and 4 from document 13. These test pit records are included in Appendix B of this report for reviewing simplicity.

Visual observation of the waste fill indicated some decomposition of plastic fragments in the fill. The waste fill tends to contain finer sized plastic fragments with depth.

Silty Clay Stratum

A continuous silty clay stratum underlies the waste fill in all areas investigated. The silty clay stratum varies in thickness from approximately 1 to 4 feet, is dark gray to black and contains a small percentage of sand. Moisture content is generally high and root stems are common. Samples of the silty clay stratum were obtained from selected test pits for grain size analysis. The silty clay has a uniform grain size distribution and is typically composed of 40 percent silt and 45 percent clay. Grain size distribution curves for the silty clay are provided in

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Appendix C. This stratum appears to be the result of a common depositional episode in the recent geological past.

Fifty one test pit excavations performed prior to 1981 encountered the dark gray to black silty clay stratum. The pits were excavated within the waste fill, immediately surrounding the waste fill and in downgradient areas of the waste fill. Pre 1981 test pit locations are shown on Figure 8. More recently, 52 test pits were excavated on June 25, 1986 and all encountered the silty clay stratum. Approximate test pit locations excavated on June 25, 1986 are shown on Figure 9.

Survey data were used in conjunction with the depth of the top of the silty clay to construct a surface elevation contour map of the clay stratum. The surface contour map (Figure 10) indicates that the clay surface generally slopes to the south away from the waste fill area.

Alluvium

Several soil test borings (MW-1, 2, 3 and 4) and test pits penetrated through the silty clay stratum and encountered alluvium deposits. Soil test boring records with monitoring well construction details are provided in Appendix D and test pit records are provided in Appendix B. The Holocene alluvium of this region is composed of sediments deposited by the Rio Jacaguas and includes sands, silts, clays and gravels. This alluvium is characteristically divided into four strata which in descending order, are a very silty fine to coarse sand, a sandy clayey silt, a silty sand and a sand and gravel unit. A site hydrogeologic profile is provided on Figure ~~4~~ 5.

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The first stratum encountered below the silty clay was a very silty fine to coarse sand which varies in thickness from 0 feet to approximately 20 feet. This strata also contained some gravel and angular rock fragments. It was unsaturated with respect to ground water within the investigated study area.

The next underlying stratigraphic unit is a sandy clayey silt. As shown on the site hydrologic profile (Figure 6) its thickness ranges from approximately 20 to 40 feet thick. It is thought to be continuous throughout the site and was encountered in all four soil test borings (MW-1, 2, 3 and 4). The clayey silty stratum basically overlies the ground-water table and acts as a natural ground-water barrier. Grain size analyses were performed on selected samples from the soil test borings and indicates the unit is composed of 50 percent or greater of fines (silts and clays) with varying amounts of sand. Representative grain size distribution curves from the soil test borings are provided in Appendix D.

The next underlying stratigraphic unit is a silty sand whose thickness varies from approximately 5 to 20 feet (Figure 6). It is partially saturated with ground water in monitoring well MW-3 only, and is predominantly a silty sand with various amounts of clay and gravels. At the other three monitoring wells in the study area (MW-1, 2, and 4) the unit is unsaturated. No laboratory grain size analyses have been performed on this unit but soil samples from the test borings were classified by a qualified hydrogeologist.

The last stratum encountered underlying the study area is a

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medium to coarse sand and gravel unit with occasional cobbles and minor amounts of silt. The sand and gravel stratum comprises the uppermost ground-water aquifer beneath the study area. The alluvial aquifer is the most important ground water reservoir in the region, however, no general traceable sand or gravel layers have been reported or mapped due to the heterogeneous nature of the aquifer. A conceptual profile of the alluvial aquifer is provided on Figure 11.

Permeability - Two in-situ permeability tests were performed at the site using an air entry permeameter. The tests were performed in accordance with the methods outlined in Bouwers Water Resources Research Paper 2:729-738 (1976). The two permeability tests were conducted of the waste fill area (Figure 1) and the test results were submitted on April 20, 1983 (Document 36). The test surfaces were carefully prepared and representative samples of the soils were collected. The test results range from 6.0×10^{-4} cm/sec for clayey silt to 8.0×10^{-5} cm/sec for silty clay (Appendix F.1, Table 1). The results are considered representative for these materials at the shallow depths tested where fine roots were observed in the soils. It is likely for lower permeabilities to exist in these materials at greater depths below the zone of root activity or dessication.

The clayey silt was encountered near well MW-3 and is thought to be representative of the thick clayey silt stratum (on the order of 20-feet thick) underlying the site area. The silty clay tested was representative of the hard gray to black silty clay stratum encountered in previous studies at shallow depths.

GE_CARIBE000396

Cation Exchange Capacity (CEC) - Laboratory tests for cation exchange capacity were performed on six (6) soil samples collected from borings MW-3 and MW-4. The six test results are representative of four strata underlying the site. The shallow silty clay stratum has the highest cation exchange capacity ranging from 48 to 55 meq/100 gm. The thicker sandy clayey silt stratum has a cation exchange capacity ranging from 28 to 30 meq/100 gm. Silty sands overlying and underlying the clayey silt stratum have a lower cation exchange capacity ranging from 13 to 23 meq/100 gm. Test results are provided in Appendix F.1, Table 2. These results are consistent with the theoretical cation exchange capacities based on mineral compositions of the same samples.

Mineralogy - Four soil samples collected from MW-3 and MW-4 were analyzed by x-ray for mineral composition. The four soil samples analyzed are representative of two strata underlying the site (the silty clay stratum and the clayey silt stratum). The silty clay stratum is predominantly composed of the clay mineral smectite (also called montmorillonite). Smectite is a mixed layer of illite/smectite consisting of 70- to 80-percent smectite. Results of the mineralogy tests are provided in Appendix F.1, Table 3.

The clayey silt stratum also contains a high percentage of smectite (about 48- to 57-percent) with calcite as the secondary mineral. Smectite layers in soils commonly have a high CEC (80 to 100 meq/100gm) where interlayer spaces are not clogged with organics or hydroxides.

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2.1.3 Site Hydrogeology

The site hydrogeologic conditions were explored by four ground-water quality monitoring wells (MW-1 through MW-4) which were installed in accordance with the procedures described in documents 22 and 25. The depth to ground water is on the order of 44 feet below ground surface at the site. Measured water levels for the wells are presented on the test boring records in Appendix D. Groundwater gradients have been calculated to be on the order of 0.01 to 0.006 ft/ft. at the site (Document 30). Ground-water flow in the alluvial aquifer is generally east to west toward the Rio Jacaquas. Figure 15 indicates the interpreted regional groundwater flow patterns for the alluvial aquifer.

2.1.4 Perched Water Hydraulics

The hydraulic gradients in the primary waste fill (perched water) are relatively low and uniform. In the northern section of the waste fill the hydraulic gradients are typically on the order of 0.01 feet per feet. In the southern section of the waste fill where surface discharge occurs, the hydraulic gradients are steeper ranging from about 0.02 to 0.04 feet per feet. The ground-water flow patterns are similar over the length of the monitoring program. The patterns of ground-water fluctuation can be correlated to precipitation events. The hydraulic gradients are uniform and indicate that discharge and evaporation occurs along the southern edge of the waste fill. There are no obvious indications of internal (downward) ground-

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water discharge in the primary waste fill.

2.2 Observations

2.2.1 Mercury Contamination

Mercury contamination in the waste fill comes from small stainless steel "buttons" once used in mercury switches. The mercury buttons were originally sealed units containing a ceramic core and elemental mercury. When defective buttons were found in manufacturing, they were broken open and the mercury was reclaimed. The empty broken buttons and ceramic cores were then discarded in the waste fill area. Residual mercury from the broken buttons resulted in contamination of the fill. The broken buttons are found throughout the waste fill and are not concentrated in any particular area or vertical section of the fill. (Manufacturing of mercury buttons started in 1957 and ceased in about 1970). The waste fill material contains concentrations of total mercury with samples ranging from 123 to 3,200 mg/kg as reported on the test pit records provided in Appendix B.

2.2.2 Perched Water Table

During the initial hydrogeologic investigation of the waste fill area (Document 13) a perched water table was encountered above the surface of the silty clay stratum. Test pits outside of the primary waste fill were open for more than 24 hours and did not encounter ground water. Elevations of the perched water table within the test pits and at selected seepage areas were contoured. Flow paths, recharge, and discharge areas were

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determined initially, but a more detailed study of the perched system utilizing standpipes was recommended and conducted in 1981 and 1982.

Law Engineering installed 11 standpipes in the primary waste fill area with the assistance of General Electric in December, 1981. General Electric has collected the water level data since late 1981 and provided this information to Law Engineering for interpretation for the status report of Hydraulic Conditions Perched Water Table, Waste Fill Area submitted November, 1982 (Document 26).

The standpipes are constructed of 2-inch diameter PVC pipe and were installed in shallow excavations made by a backhoe. Law Engineering supervised the installation of the standpipes which terminated above the silty clay stratum. The lower sections of the standpipes consist of slotted PVC pipe; typically 2.5 feet in length. The excavations were backfilled with waste materials removed from the holes. A sloping grout seal was placed around the surface of each standpipe to minimize direct infiltration of rainfall into the annular space surrounding the standpipes. The depths of the standpipes, which also correspond to the depths to the top of the silty clay stratum, are provided below in feet:

SP-1	3.3	SP-6	4.3
SP-2	4.5	SP-7	5.0
SP-3	3.6	SP-8	3.9
SP-4	4.1	SP-9	3.3
SP-5	4.2	SP-10	4.5

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The perched water table responds directly with precipitation, which is interpreted to be the primary source of recharge to the waste fill.

The perched water table was highest in mid-May 1982, corresponding to several heavy rainfall events. The rainfall for May totaled 9.3 inches with a maximum recorded amount of 3.5 inches on May 10, 1982. The perched water table notedly dropped (by 0.5 to 1.5 feet) between mid-May and early July when precipitation diminished. The perched water table also declined from January to March, 1982 corresponding to minimal precipitation. A composite hydrograph with precipitation for standpipes No. 1 through No. 11 is provided on Figure 12.

Potentiometric maps of the perched water table surface were prepared for high and low ground-water conditions in 1982. These are, respectively, mid-May, 1982 in Figure 13; early-July, 1982 in Figure 14. The perched water flows basically from north to south through the waste fill under both conditions. A ground-water divide appears to exist in the southern portion of the waste fill under both conditions, from which perched water flows to the southwest and to the southeast.

The perched water table appears to discharge along the southern edge of the waste fill in the form of seeps and evaporation. It is noted that the greatest long-term fluctuation of the perched water table occurs in standpipes located in the southern section of the waste fill. This is anticipated in a discharge area where surface seepage and evaporation is occurring.

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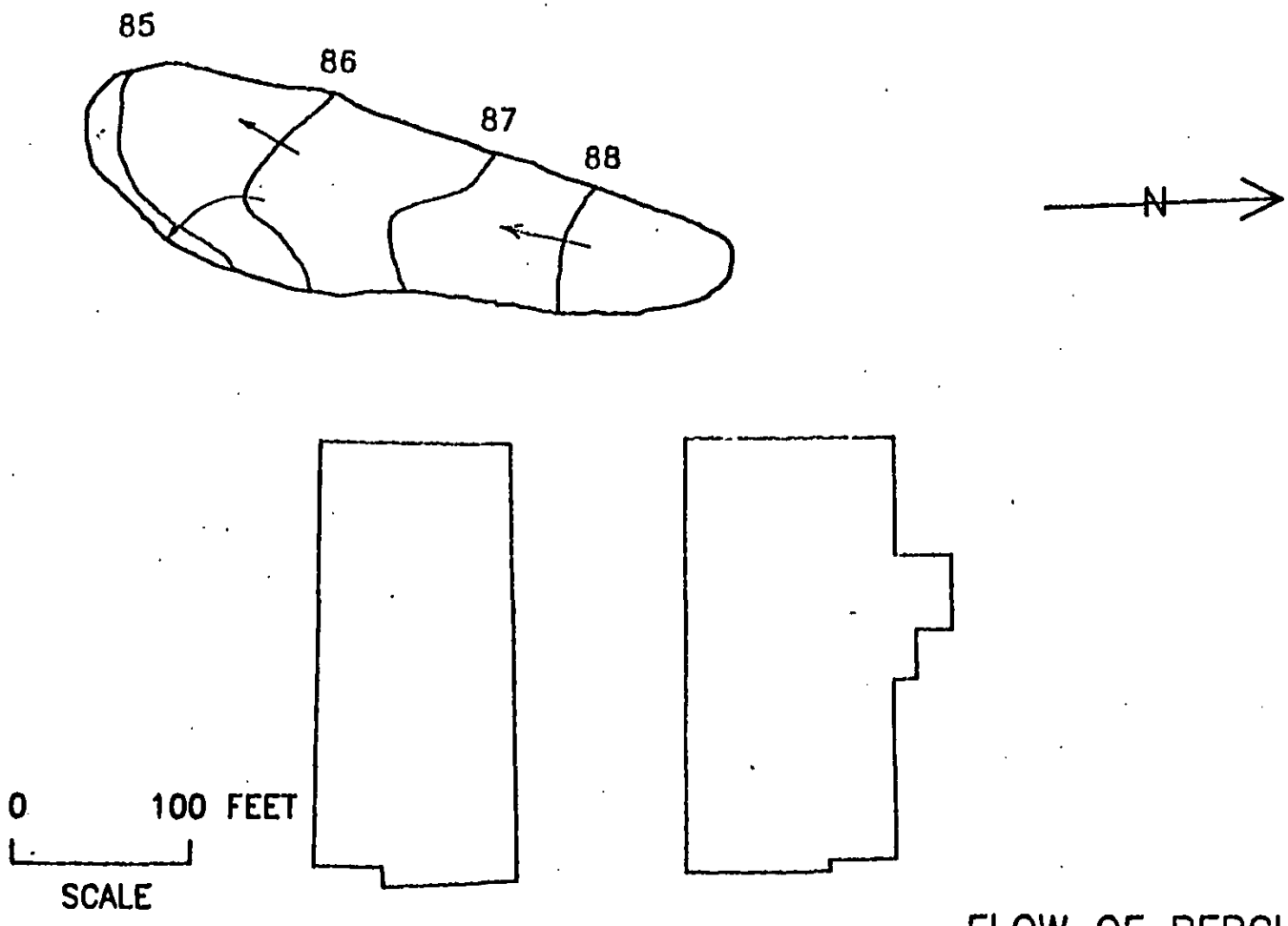
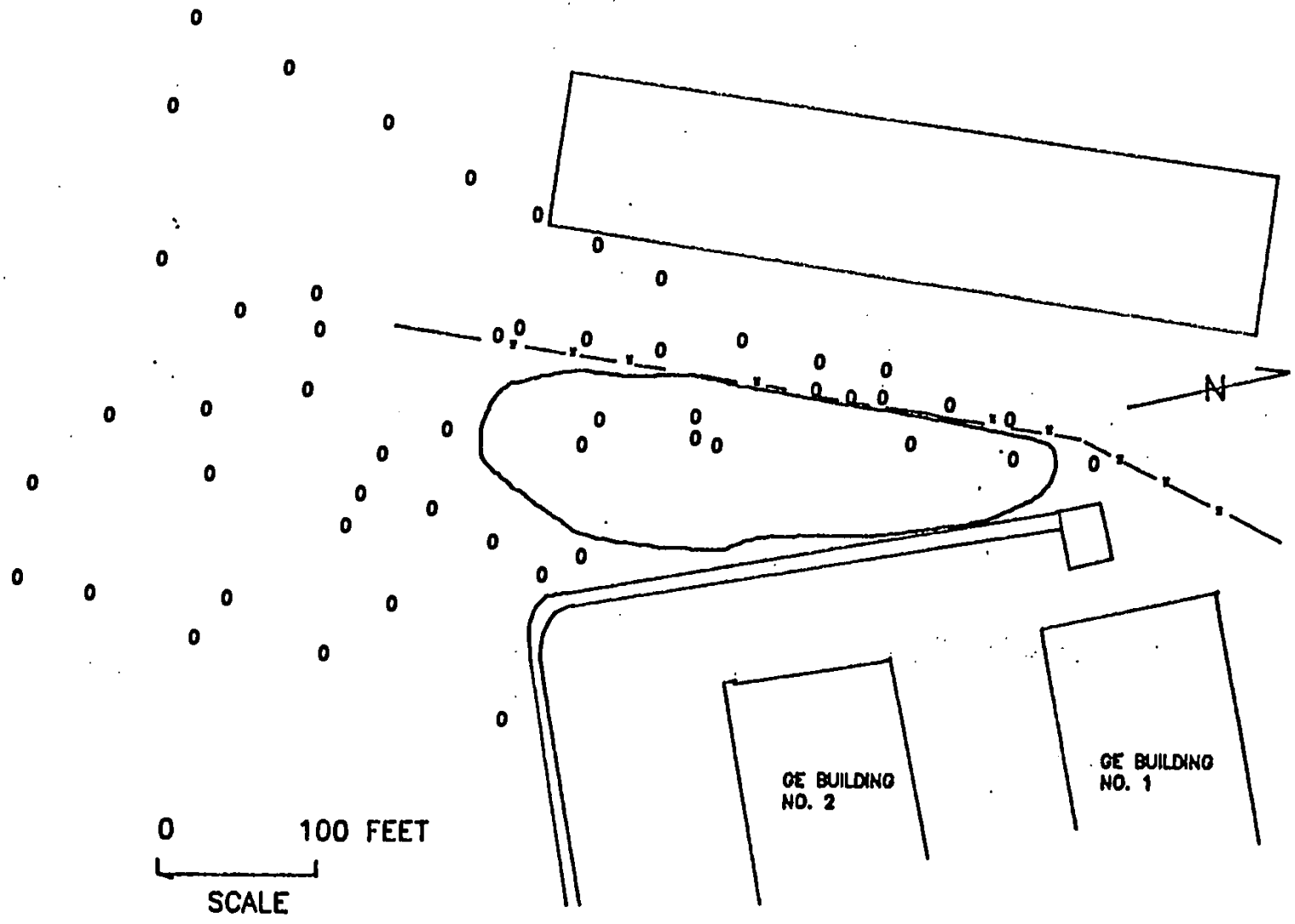
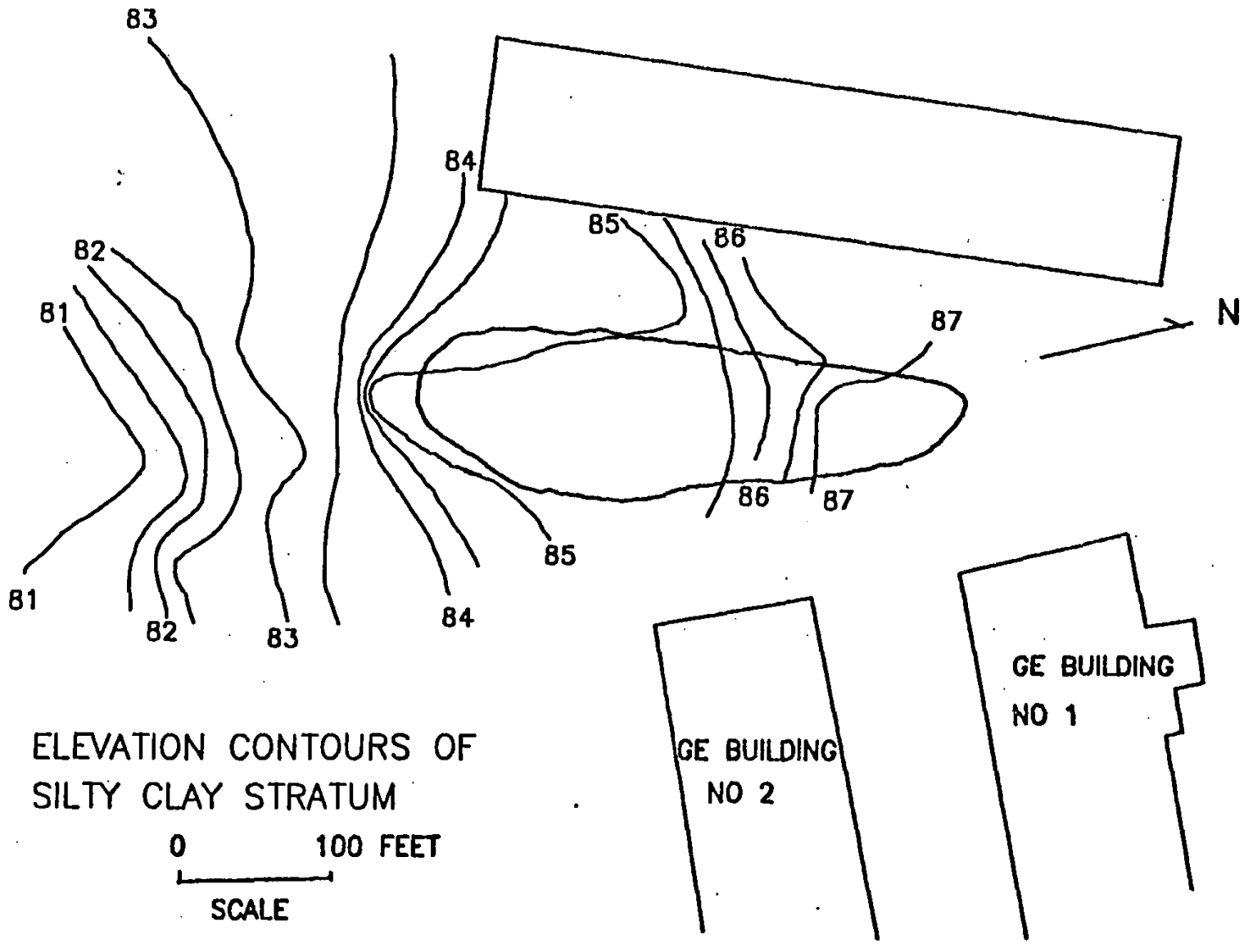


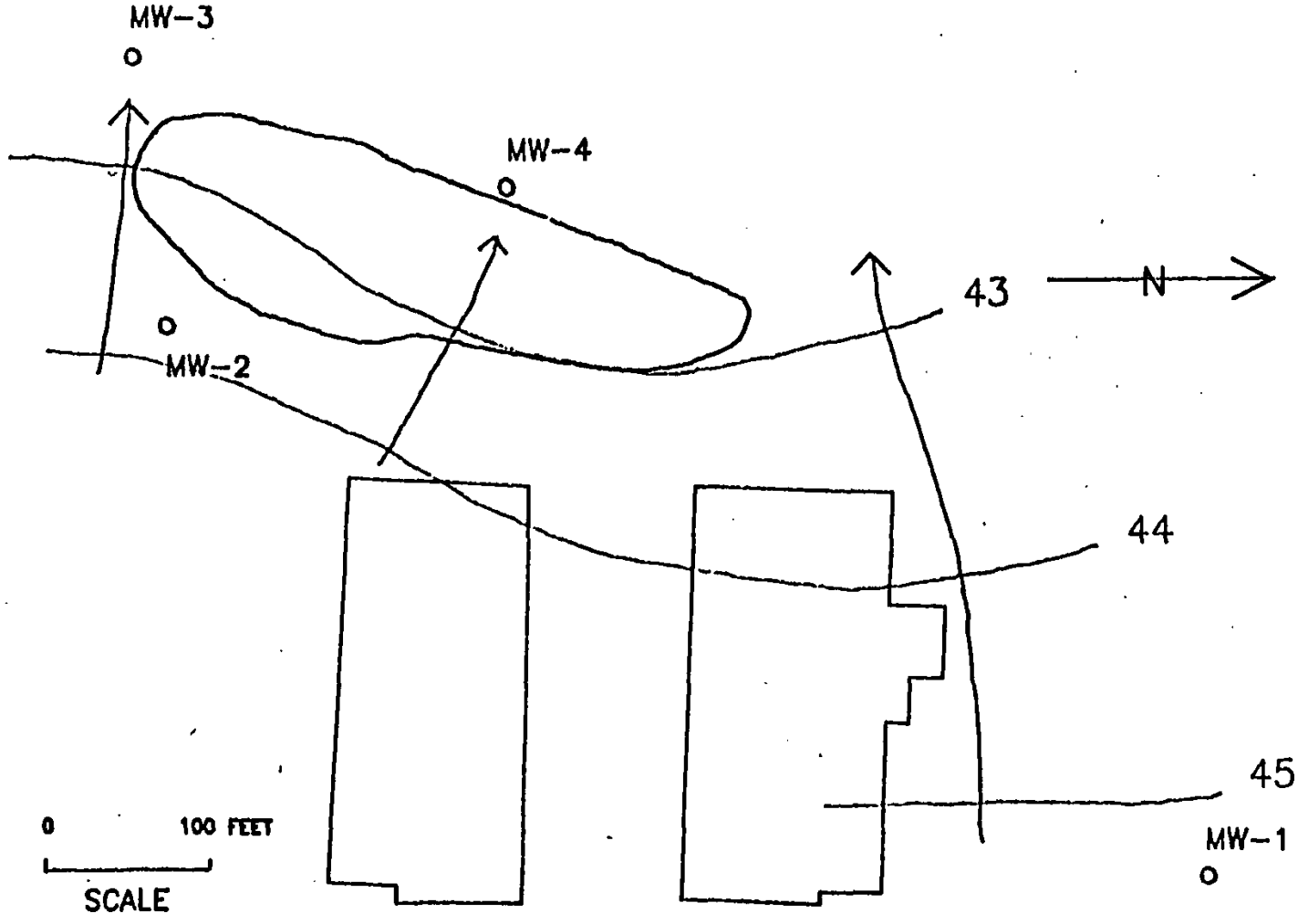
FLOW OF PERCHED WATER (EARLY JULY 1982)



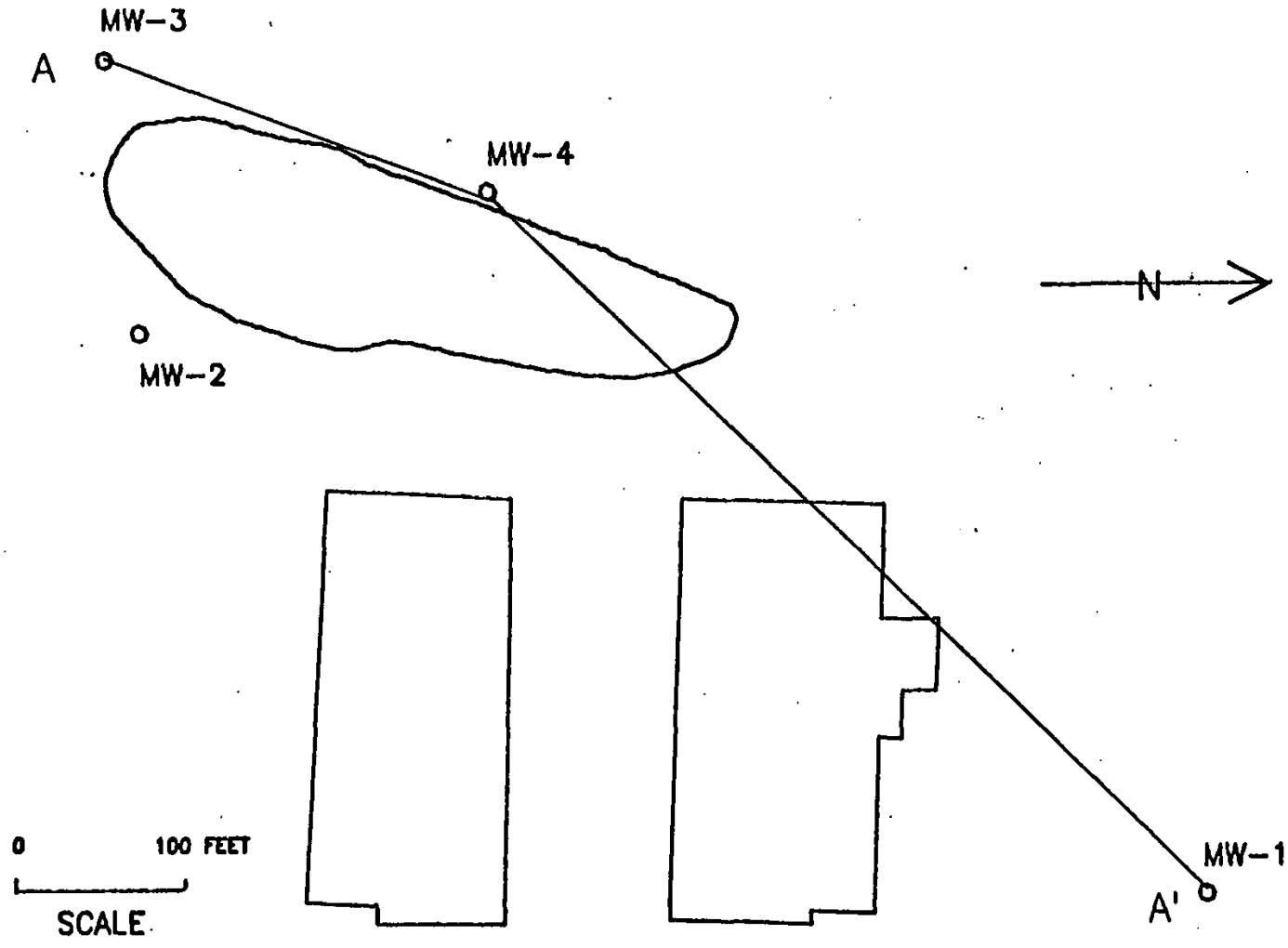
TEST PIT LOCATIONS



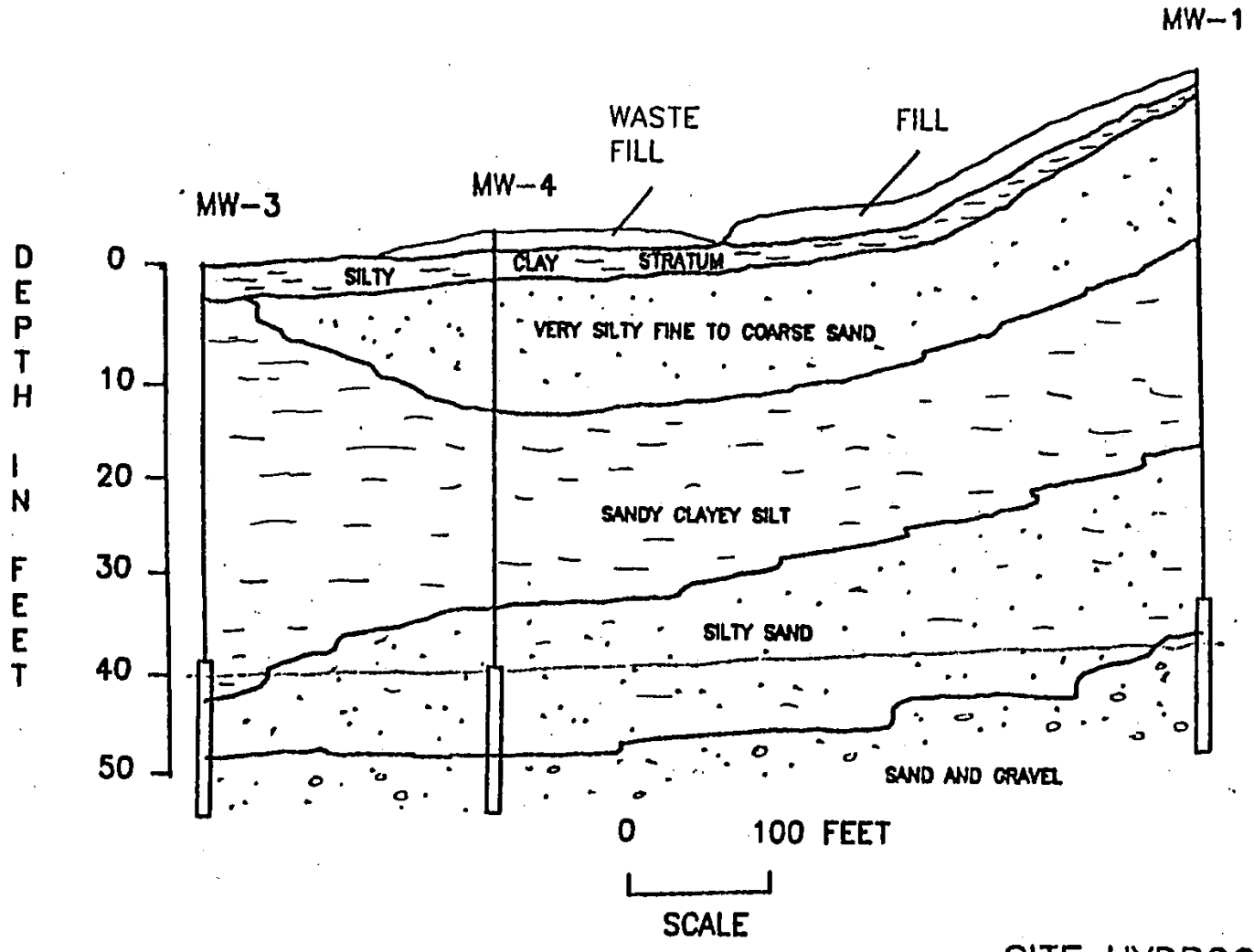
ELEVATION CONTOURS OF
SILTY CLAY STRATUM



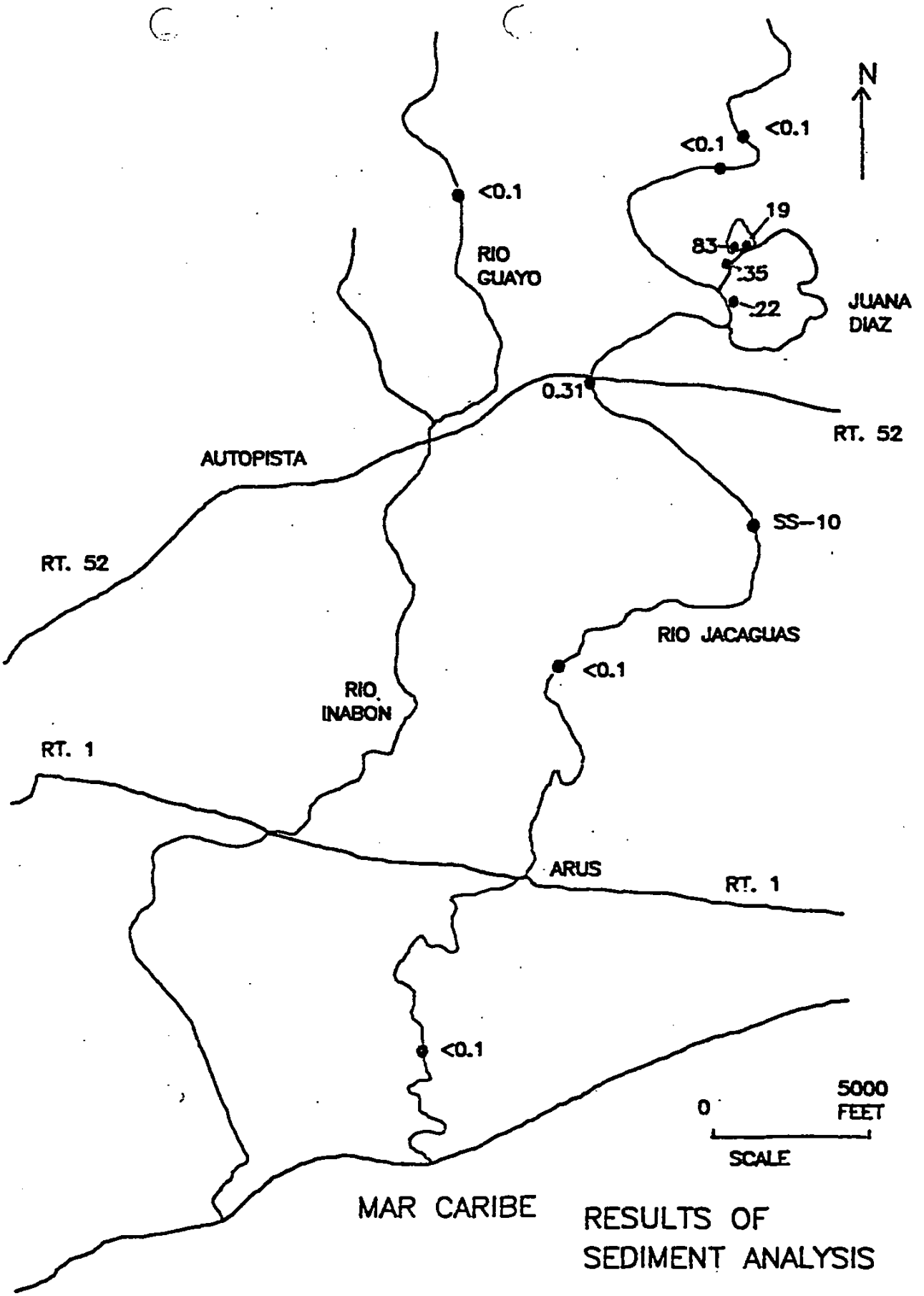
GROUND WATER FLOW
IN
ALLUVIAL AQUIFER



LOCATION OF GENERALIZED
HYDROGEOLOGIC PROFILE

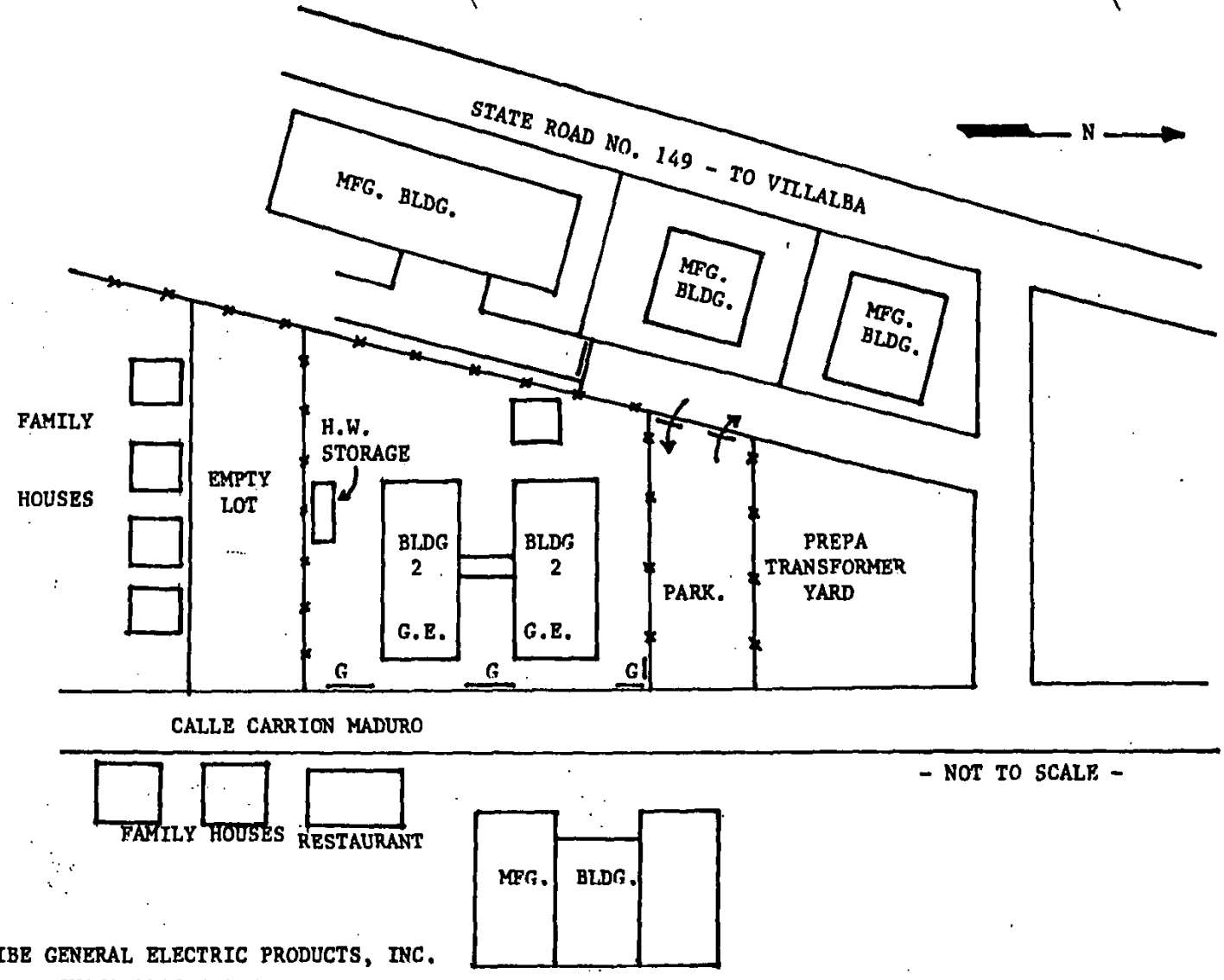


SITE HYDROGEOLOGIC PROFILE



RESULTS OF SEDIMENT ANALYSIS

ATTACHMENT 17



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JUANA DIAZ PLANT

SITE AND LAND USE

Figure No. 3

ATTACHMENT 18

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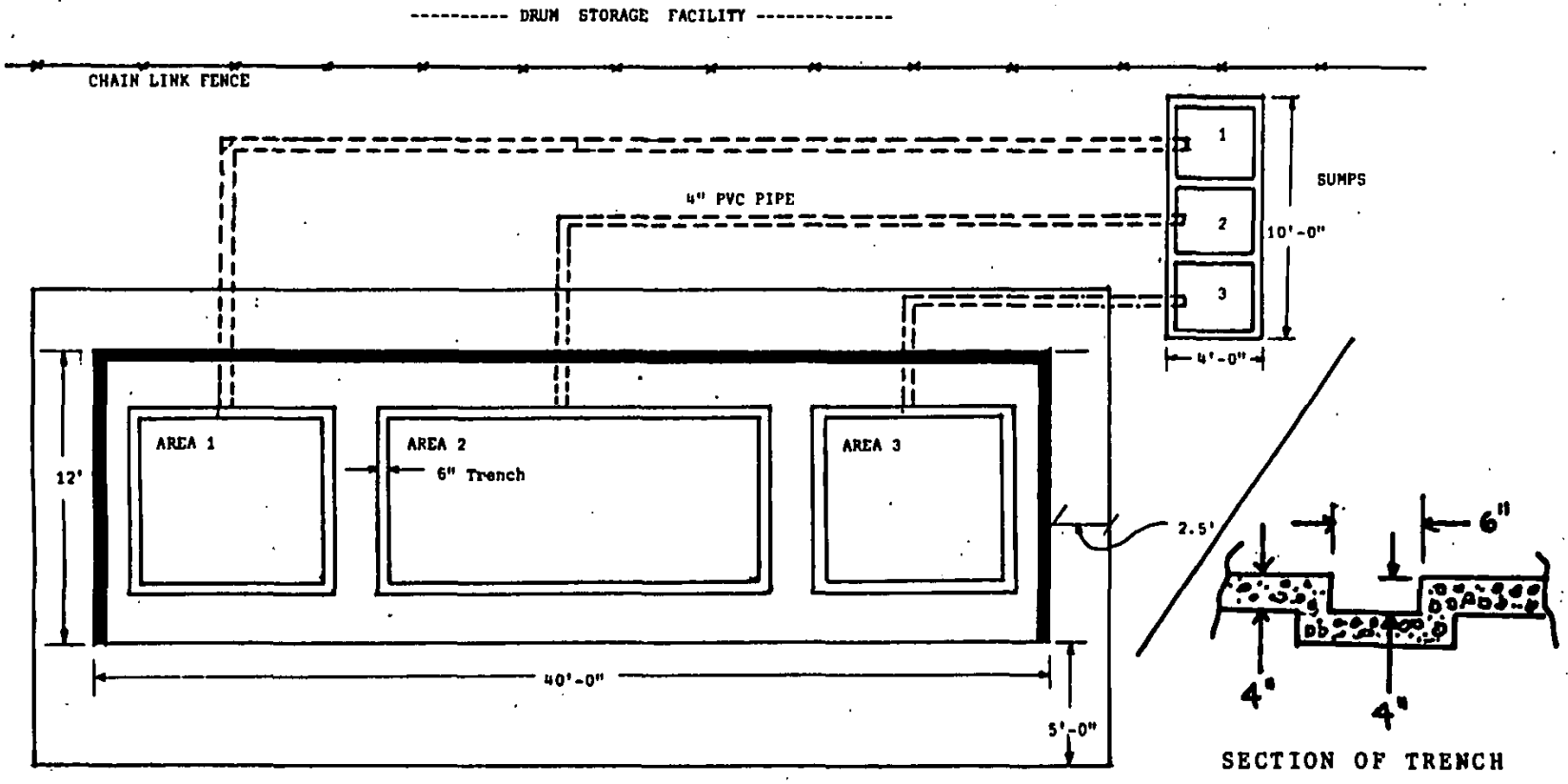

FIGURE NO. 4

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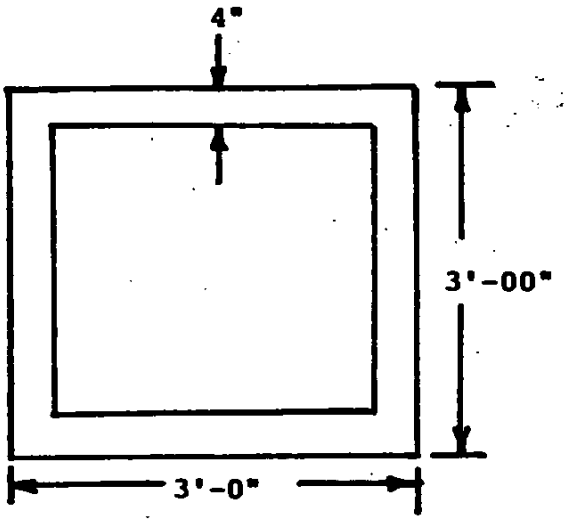
JUANA DIAZ PLANT

HAZARDOUS WASTE STORAGE AREA

S U M P S

TOP VIEW



side view

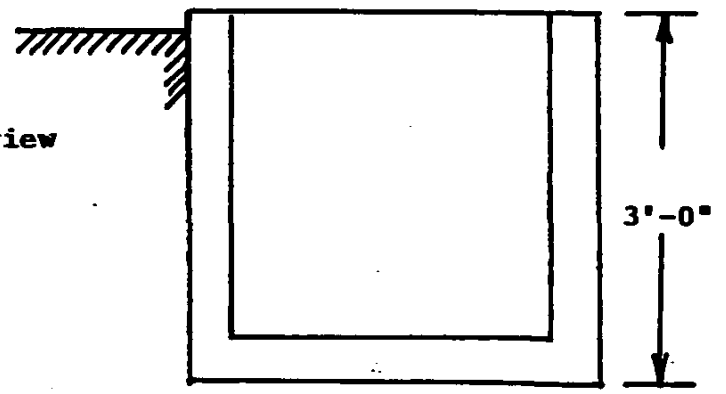


FIGURE 5

ATTACHMENT 19

GE_CARIBE000414

ENVIROLABS INC.
INDUSTRIAL AND ENVIRONMENTAL LABORATORIES

December 8, 1987

Caribe General Electric Products, Inc.
P.O. Box AE
Juana Díaz, Puerto Rico 00665

Attn.: Mr. José Marques

ANALYSIS REPORT

Sample Identification:

Settling Tank Electroplating Sludge Sample
November 3, 1987 (8:30 A.M.)
Envirolabs No. 17-599

Cyanide	< 0.02	mg/l
Oil and grease	1.1	mg/l
Surfactants	360	mg/l
Aluminum	11	mg/l
Barium	225	mg/l
Cadmium	0.32	mg/l
Chromium, total	900	mg/l
Copper	311	mg/l
Iron	713	mg/l
Lead	1.1	mg/l
Manganese	18	mg/l

JERR:rgo

CONCORDIA NUM. 67 • PONCE, PUERTO RICO-00731 • TEL. (809) 848-6050

ANALYSIS REPORT (CONT.)

Sample Identification:

Settling Tank Electroplating Sludge Sample
November 3, 1987 (8:30 A.M.)
Envirolabs No. 17-599

Nickel	1,025	mg/l
Silver	0.16	mg/l
Tin	120	mg/l
Zinc	925	mg/l

ENVIROLABS INC

José E. Ruiz Rivera

rgo

ENVIROLABS INC.
INDUSTRIAL AND ENVIRONMENTAL LABORATORIES

December 8, 1987

Caribe General Electric Products, Inc.
P.O. Box AE
Juana Díaz, Puerto Rico

ANALYSIS REPORT

Sample Identification:

Settling Tank Electroplating Sludge Sample
November 3, 1987 (8:30 A.M.)
Envirolabs No. 17-599

Water Content 38%/vol

Adolfo Valdés

rgo

CONCORDIA NUM. 67 • PONCE, PUERTO RICO-00731 • TEL. (809) 848-6050

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

COLLECTION OF REPRESENTATIVE SAMPLE

1. Sample Name ELECTROPLATING SLUDGE
2. Hour and date of sampling 8:30 AM NOV 3 1987
3. Source from which taken SETTLING TANK - PLATING AREA
4. Equipment and sampling method COLIWASA
5. Amount of sample obtained 1 GAL.
6. Sample to be analyzed for the following parameters Cn, Oil & grease, surfactants, aluminum, Barium, Cadmium, Cr Total, Copper, Iron, Lead, Manganese Nickel, Silver, Tin, Zinc, Water Content.

JOSE A. MARQUES
SAMPLER NAME

Jose A Marques
SIGNATURE

NOV 3 1987
DATE

CHAIN OF CUSTODY RECORD
ENVIROLABS, INC.

PROJ. NO. PROJECT NAME
CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ, P.R.

SAMPLERS: (Signature) Jne Allargues

STA. NO	DATE	TIME			STATION LOCATION	NO. OF CONTAINER							REMARKS
1	11/3/87	8:30 AM	175	99	SETTLING TANK								ELECTROPLATING SLUDGE

RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	RELINQUISHED BY:	DATE / TIME	RECEIVED BY:
Jne Allargues	11/3/87 10:15 AM	Ramonita Greco	Ramonita Greco	10/3/87 10:00	Enid Malaré
RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	RELINQUISHED BY:	DATE / TIME	RECEIVED BY:
RELINQUISHED BY:	DATE / TIME	RECEIVED FOR LAB BY:	DATE / TIME	REMARKS	

ATTACHMENT 20

GENERAL ELECTRIC

PUERTO RICO OPERATIONS
GENERAL ELECTRIC COMPANY • P.O. BOX 1552 • SAN JUAN, PUERTO RICO 00903 • (809) 725-2966

MEMORANDUM

May 4, 1983

TO : Mr. José M. Cobían - PRIDCO
Mr. L. De la Cruz - EQB-Land Pollution Control
Mr. W. Pierre - EPA Region II

FROM : Ignacio Rivera
Manager and Counsel

SUBJECT : Juana Díaz, Puerto Rico
Inactive Landfill

Enclosed please find information regarding permeability, cation exchange capacity, mineralogy and grain size for selected site soil samples as requested by EPA and EQB in the January 27, 1983 meeting at Juana Diaz, Puerto Rico. Requested information regarding seismicity is presently being generated and will be forwarded under separate transmittal.

If you have any questions, we remain available.

IRivera:gd
enclosure
cc: J. Friss
L. Peterson
M. Phillips
R. Schauseil

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LAW ENGINEERING TESTING COMPANY
geotechnical, environmental & construction materials consultants
2749 DELK ROAD, S.E.
MARIETTA, GEORGIA 30067
(404) 952-9005

April 20, 1983

General Electric Company
Juana Diaz Plant
P. O. Box D
Juana Diaz, Puerto Rico 00665

Attention: Mr. Robert I. Schauseil
President and Manager Puerto Rico Operations

Subject: Report of Test Results
Juana Diaz Site, Puerto Rico
Reference Proposal MS3022.20 (Items 3 and 4)
Law Engineering Project No. WM3233

Dear Mr. Schauseil:

The results of Law Engineering's tests for permeability, cation exchange capacity, mineralogy, and grain size on selected soils beneath the site are enclosed. The findings are consistent with our previous interpretations of the site conditions. Law Engineering concludes the encapsulation alternative remains the most cost-effective solution for closure of the site.

We would be happy to answer any questions you have regarding these data.

Sincerely,

LAW ENGINEERING TESTING COMPANY

W. Joseph Alexander, P.G.
Senior Hydrogeologist

Larry A. Neal, P.E.
Senior Environmental Engineer

Enclosures

CC: James Friss
Marvin Phillips

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Introduction

Law Engineering has collected and evaluated additional site data in response to specific issues raised by the audience in our January 27, 1983 presentation to EQB. This report provides test results on four types of tests performed on selected soils beneath the site.

Two (2) in-situ permeability tests were performed at the site (Figure 1) using an air-entry permeameter. The results are provided in Table 1. Laboratory tests for cation exchange capacity were performed on six (6) soil samples previously collected from borings MW-3 and MW-4 (Figure 1). The results are provided in Table 2. Four (4) soil samples previously collected from borings MW-3 and MW-4 were analyzed by x-ray for mineral composition. The results of these analyses are presented in Table 3. Grain size analyses were performed on three (3) soil samples previously collected from borings MW-1, MW-3, and MW-4. The results of these analyses are presented in Appendix 1. In several cases the soil samples were split 3 ways for appropriate testing.

The test boring records for the four (4) borings drilled at the site are provided in Appendix 2. Information regarding the selected tests performed on the soil samples are provided on these records along with information regarding screen settings for the 4 monitoring wells.

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Discussion of Results

This section of the report discusses the findings of the additional site data. Reference is made to the previous reports of site conditions prepared by Law Engineering (Report of Hydrogeologic Investigation dated June 19, 1981; Report of Clay Continuity Study dated November 2, 1981; Status Report of Hydraulic Conditions dated November 22, 1982; and presentations by Law Engineering regarding site hydrogeochemistry and closure alternatives).

Permeability - The two permeability tests were conducted in the southern portion of the site (Figure 1). The test surfaces were carefully prepared and representative samples of the soils were collected. The test results range from 6.0×10^{-4} cm/sec for clayey silt to 8.0×10^{-5} cm/sec for silty clay (Table 1). The results are considered representative for these materials at the shallow depths tested where fine roots were observed in the soils. It is likely for lower permeabilities to exist in these materials at greater depths below the zone of root activity or dessication.

The clayey silt was encountered near well MW-3 and is thought to be representative of the thick clayey silt stratum (on the order of 20-feet thick) underlying the site area. The silty clay tested was representative of the dark gray to black silty clay stratum encountered in previous studies at shallow depths.

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Cation Exchange Capacity - The six tests results are representative of four strata underlying the site (Table 2). The shallow silty clay stratum has the highest cation exchange capacity ranging from 48 to 55 meq/ 100 gm. The thicker sandy clayey silt stratum has a cation exchange capacity ranging from 28 to 30 meq/100 gm. Silty sands overlying and underlying the clayey silt stratum have a lower cation exchange capacity ranging from 13 to 23 meq/100 gm. These results are consistent with the theoretical cation exchange capacities based on mineral compositions of the same samples (Table 3).

Mineralogy - The four soil samples analyzed are representative of two strata underlying the site (the silty clay stratum and the clayey silt stratum). As indicated in Table 3, the silty clay stratum is predominantly composed of the clay mineral smectite (also called montmorillonoids). Smectite is a mixed-layer illite/smectite with 70- to 80-percent smectite layers.

The clayey silt stratum also contains a high percentage of smectite (about 48- to 57-percent) with calcite as the secondary mineral. Smectite layers in soils commonly have a high CEC (80 to 100 meq/100 gm) where interlayer spaces are not clogged with organics or hydroxides.

Grain Size - The three soil samples collected for grain size analyses were obtained from the thick sandy clayey silt stratum to quantify its composition (Appendix 1). The stratum is noted

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to contain between 40- and 70-percent silt with remaining fractions of fine sand and clay.

Conclusions

Law Engineering concludes the results of the additional tests are consistent with our previous interpretations of the site conditions. The shallow silty clay stratum has a low permeability and is predominantly composed of the mineral smectite, having a high theoretical and measured cation exchange capacity. Because of the stratum's low permeability, water perched on top of the silty clay will tend to move horizontally rather than percolate through the stratum. This has been demonstrated in our study of the perched-water table in the waste fill (November 22, 1982).

Movement of water from the silty clay downward into the underlying strata occurs only if the silty clay stratum becomes nearly saturated with water. Under this condition the relatively small quantity of water percolating through the underlying silty sands will then be further restricted by the thick, low permeability, clayey silty stratum. Flow through the clayey silt will occur under unsaturated conditions due to the small quantity of water reaching this stratum. Unsaturated flow in this stratum will likely occur at a velocity two or three orders of magnitude lower than the saturated permeability measured. The clayey silt stratum also has a significant cation exchange capacity.

The two natural barriers underlying the waste fill are very fine grained, have low permeabilities, have high ion-exchange capacities, and are unsaturated. The barriers provide

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attenuation of ionic species in potentially contaminated seepage. These conditions are substantiated by the fact that no mercury contamination exists in the alluvial aquifer beneath the 25-year old waste fill. We conclude the encapsulation alternative remains the most cost-effective and technically sound solution for proper site closure.

GE_CARIBE000428

Table 1 - Results of Permeability Tests

Location[1)]	Permeability (cm/sec)	Material Type	Depth of Test Surface Below Land Surface (Feet)
Test Area 1	6.0×10^{-4}	Clayey Silt	2.17
Test Area 2	8.0×10^{-5}	Silty Clay	1.31

1) Refer to Figure 1 for location of test areas.

GE_CARIBE000429

Table 2 - Results of Cation Exchange Capacity Tests

Boring Number	Sample Depth Below Land Surface (Feet)	Cation Exchange Capacity (meq/100 gm)	Material Type
MW-3	0.5 - 3.0	48.	Silty Clay
MW-3	14.5 - 16	30.	Clayey Sandy Silt
MW-4	1.75 - 4.35	55.	Silty Clay
MW-4	13.5 - 15	23.	Silty Sand
MW-4	23.5 - 25	28.	Clayey Sandy Silt
MW-4	38.6 - 40	13.	Silty Sand

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Table 3 - Results of Mineralogy Tests

Boring Number	Sample Depth, Feet	Mineral Composition (Percentage by X-ray)					Theoretical CEC meq/100gm
		Quartz	Sodium Feldspar	Calcite	Smectite	Miscellaneous Minerals	
MW-3	0.5-3.0	5	12	-	78	<5 Hornblend	50
MW-3	14.5-16	11	11	25	48	<5 Vashegyite	25
MW-4	1.75-4.35	8	10	-	82	-	45
MW-4	23.5-25	10	13	15	57	<5 Vashegyite	30

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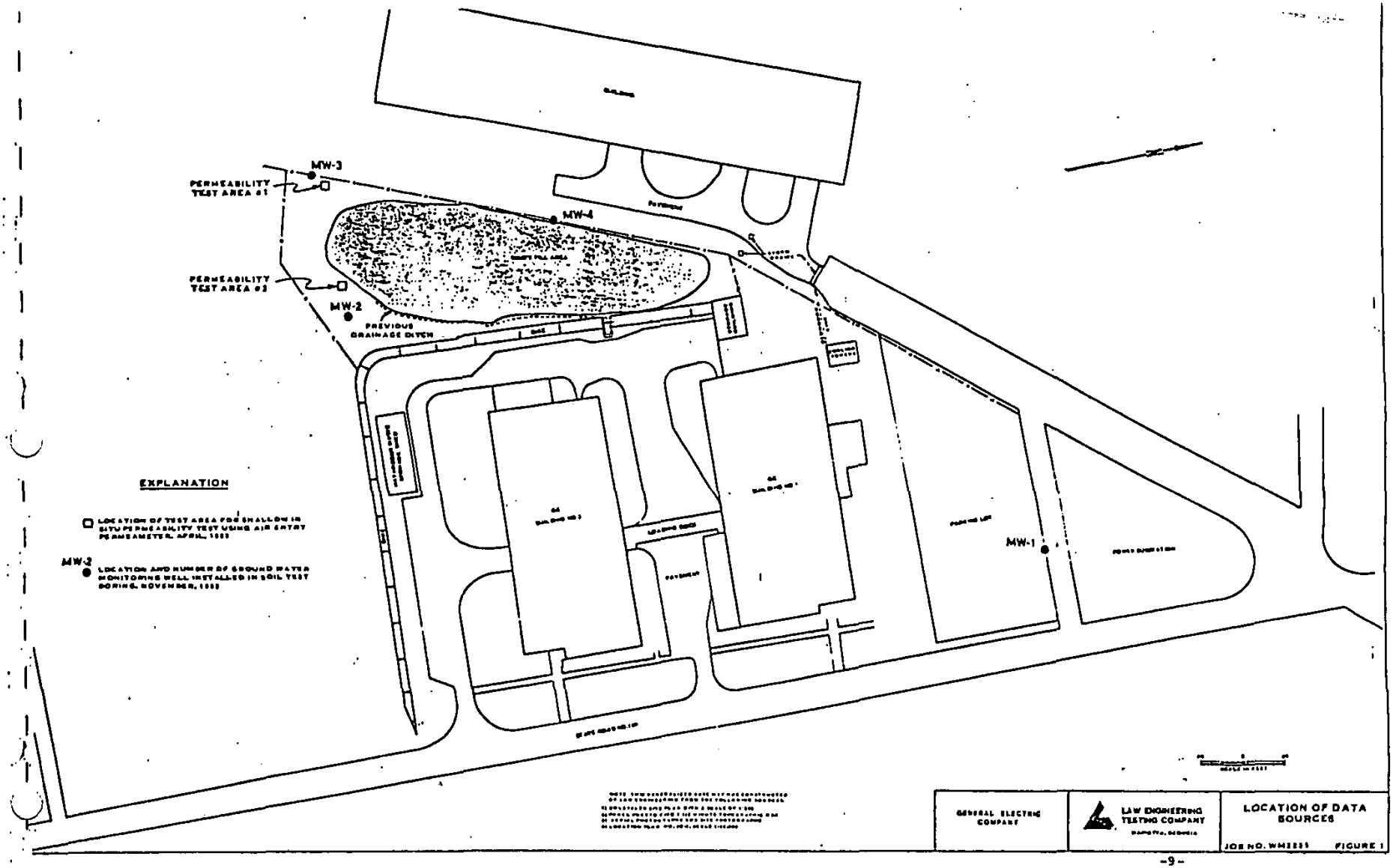

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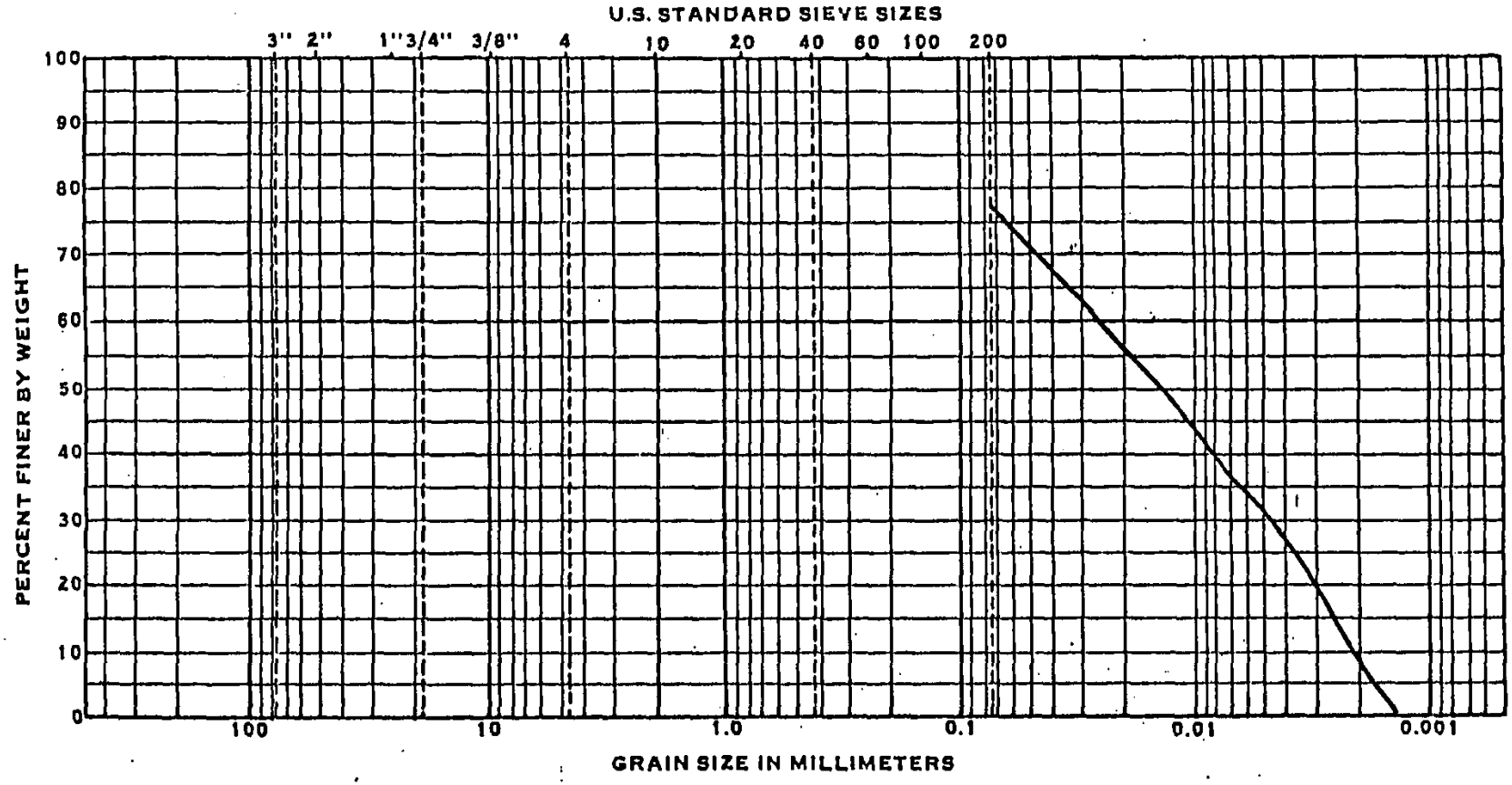
APPENDIX 1

GRAIN SIZE DISTRIBUTION CURVES

GE_CARIBE000433



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT SIZES	CLAY SIZES

BORING NO.	ELEV. OR DEPTH	NAT WC	LL	PL	PI	DESCRIPTION OR CLASSIFICATION
MW-1	18.5-20'					Slightly Clayey Sandy SILT

GRAIN SIZE DISTRIBUTION

JOB NO. WM3233

LAW ENGINEERING TESTING COMPANY

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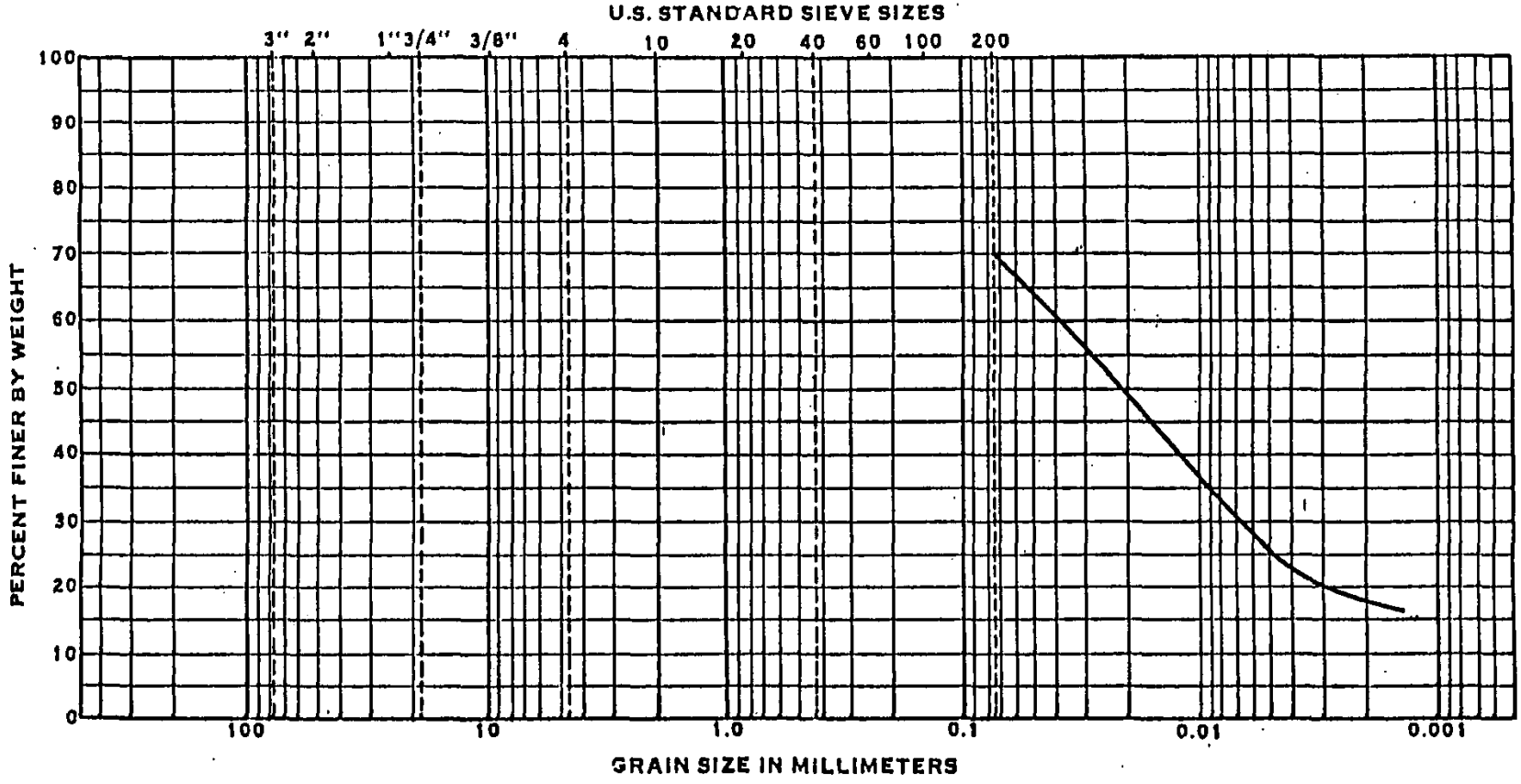


BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT SIZES	CLAY SIZES

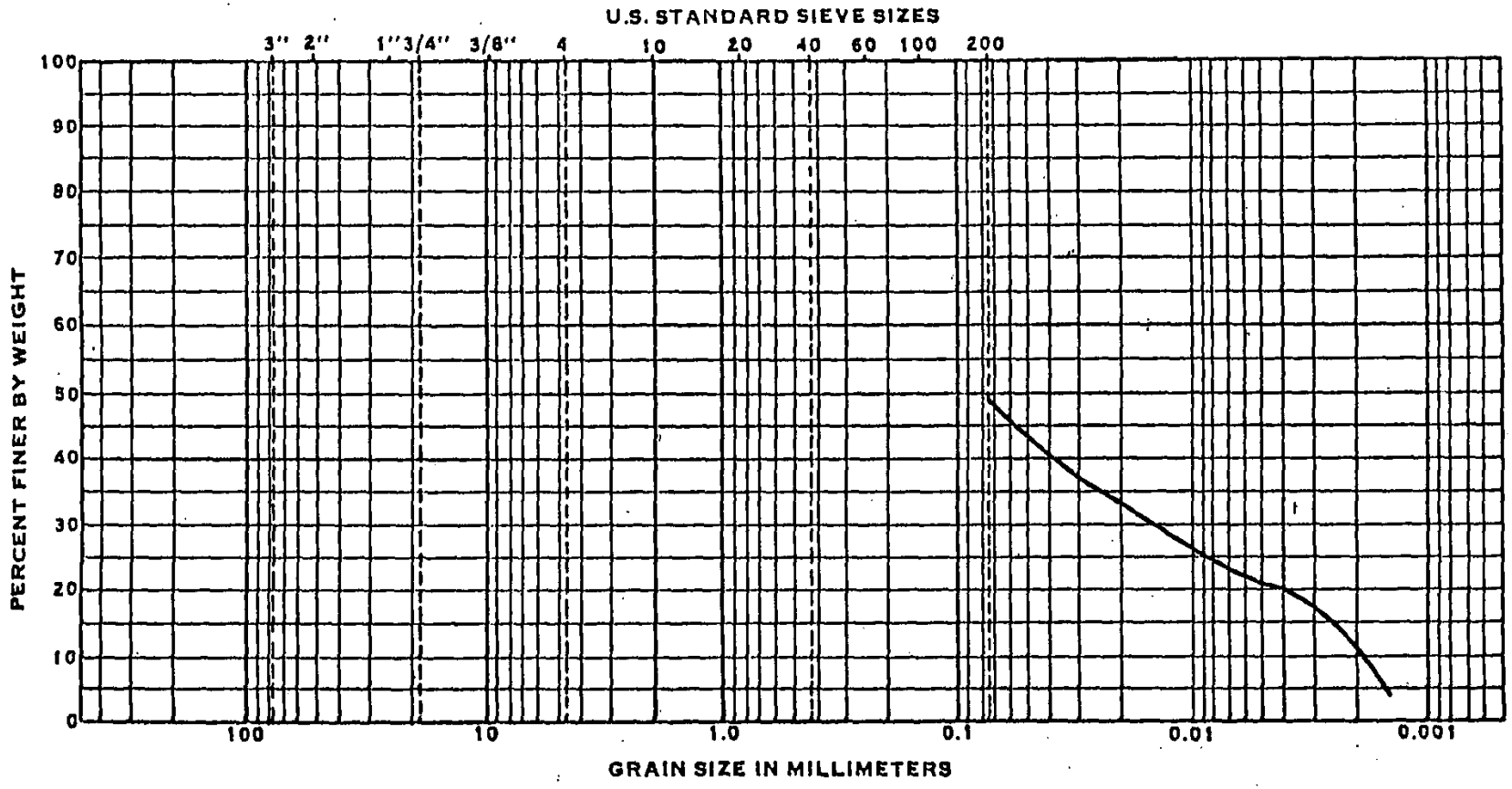
BORING NO.	ELEV. OR DEPTH	NAT WC	LL	PL	PI	DESCRIPTION OR CLASSIFICATION
MW-3	14.5-16'					Clayey Sandy SILT

GRAIN SIZE DISTRIBUTION

JOB NO. WM3233

LAW ENGINEERING TESTING COMPANY

GE_CARIBE000435



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT SIZES	CLAY SIZES

BORING NO.	ELEV. OR DEPTH	NAT WC	LL	PL	PI	DESCRIPTION OR CLASSIFICATION
MW-4	23.5-25'					Slightly Clayey Very Silty SAND

GRAIN SIZE DISTRIBUTION

JOB NO. WM3233

LAW ENGINEERING TESTING COMPANY

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APPENDIX 2

TEST BORING RECORDS

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TEST BORING RECORD

ELEV.	DEPTH FEET	DESCRIPTION	REMARKS
86.3	1.75	Waste fill and Topsoil	
	4.35	Dark brown silty CLAY.	1)
	7.0	Light brown clayey sandy SILT. Rock fragments common.	
76.3		Light gray brown silty fine to coarse SAND. Rock fragments common	2)
66.3	17.0	Light brown SILT, Trace of sand.	
	22.0	Brown and gray fine sandy silt. Upper five feet slightly clayey very silty SAND.	3)
56.3			
46.3	37.0	Brown and black slightly silty medium to coarse SAND. Zones of gravel common.	4)
			5) ▽
36.3	47.0	Gray brown with tan mottled fine sandy SILT. Trace of clay.	6) ▽
	52.0	Brown and black slightly silty medium to coarse SAND and GRAVEL.	
26.3	60.0	Boring terminated at 60.0 feet	

SCREENED INTERVAL 43.1 – 58.1

PENETRATION-BLOWS PER FOOT: 0, 5, 10, 15, 20, 30, 40, 60, 80, 100

(Shelby Tube Sample)

REMARKS:

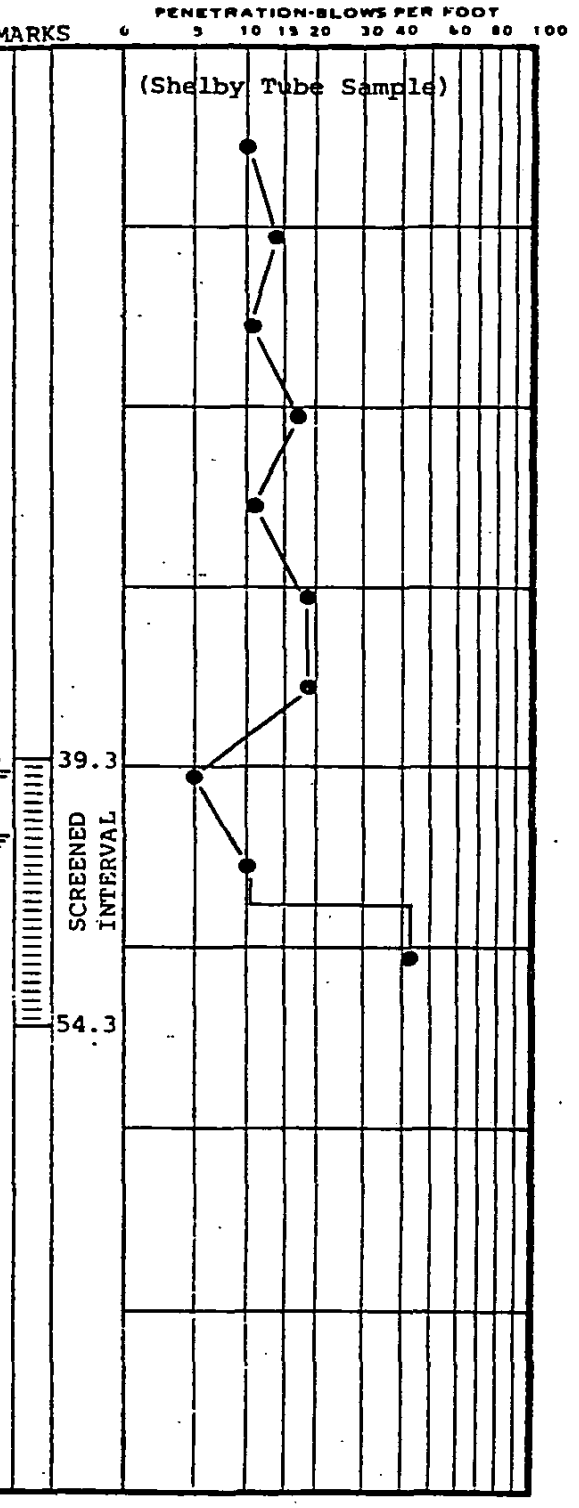
1) Cation Exchange Capacity and Mineralogy Analysis
2) Cation Exchange Capacity Analysis
3) Cation Exchange Capacity, Mineralogy, and Grain Size Analysis
4) Cation Exchange Capacity Analysis
5) Ground Water Level 44.08 feet below Land Surface on November 27, 1982.
6) Ground Water Level 47.74 feet below Land Surface on January 17, 1983

DRILLED BY CST
LOGGED BY BLJ
CHECKED BY WJA

BORING NUMBER MW-4
DATE STARTED 11-17-82
DATE COMPLETED 11-17-82
JOB NUMBER MH2317

TEST BORING RECORD

ELEV.	DEPTH FEET	DESCRIPTION	REMARKS
83.8	0.5	TOPSOIL	
	3.0	Dark Brown silty CLAY, trace of fine to medium sand. Root fragments common.	1)
73.8		Brown sandy clayey SILT. Occassional thin (four inches) black silty sand zones grading into slightly sandy very clayey silt in upper portion of section.	
	13.0		
63.8		Light brown clayey sand SILT. Occasional rock fragments and thin (one inch) sand seams.	2)
	23.0		
53.8		Light brown to brown sandy clayey SILT. Occassional rock fragments.	
43.8			3)
	43.0		4)
		Black and brown silty SAND grading into brown silt with rock fragments.	
	47.5		
33.8		Black and dark brown medium to coarse SAND and GRAVEL.	
23.8	60.0	Boring terminated at 60.0 feet	



REMARKS:

1) Cation Exchange Capacity and Minerology Analysis
2) Grain Size, Cation Exchange Capacity, and Minerology Analysis
3) Ground Water Level 40.41 feet below Land Surface on November 27, 1982
4) Ground Water Level 43.84 feet below Land Surface on January 17, 1983.

DRILLED BY CST
LOGGED BY BLJ
CHECKED BY WJA

BORING NUMBER MW-3
DATE STARTED 11-12-82
DATE COMPLETED 11-12-82
JOB NUMBER MH2317

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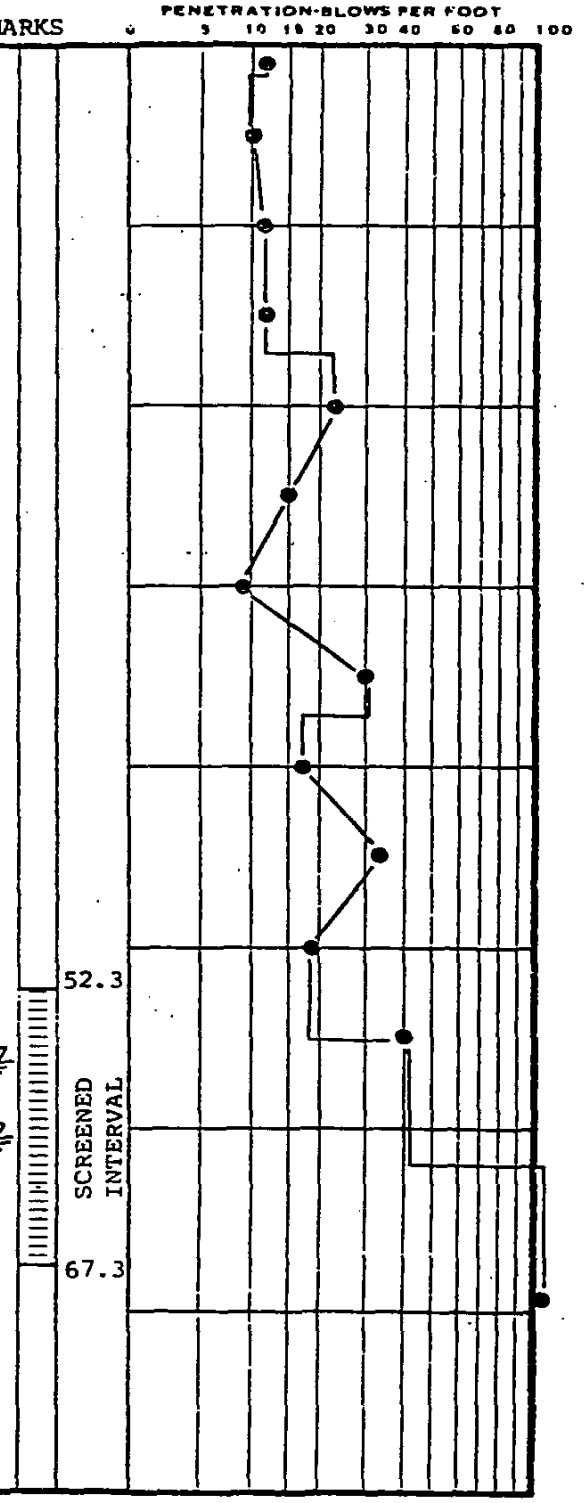
TEST BORING RECORD

ELEV.	DEPTH FEET	DESCRIPTION	REMARKS
101.9	1.5	Asphalt and road grade fill.	
		Brown Silty CLAY Grading to brown clayey medium to coarse sandy SILT.	
91.9	7.0	Brown very silty fine to coarse SAND.	
81.9	17.0	Brown slight clayey sandy SILT.	1)
71.9	22.0	Gray to brown fine to coarse sandy clayey SILT. Some rock fragments.	
61.9	37.0	Dark brown silty fine SAND with occasional rock fragments.	
	42.0	Dark brown slightly sandy SILT.with Occassional rock fragments.	
51.9	47.0	Dark brown and black silty fine SAND.	
41.9	55.0	Gray and black fine to coarse SAND and GRAVEL. Trace of silt.	2)
	57.0	Brown slightly sandy clayey SILT.	3)
31.9	62.0	Dark brown and black slightly silty SAND and GRAVEL.	
	70.0	Boring terminated at 70.0 feet	



REMARKS:

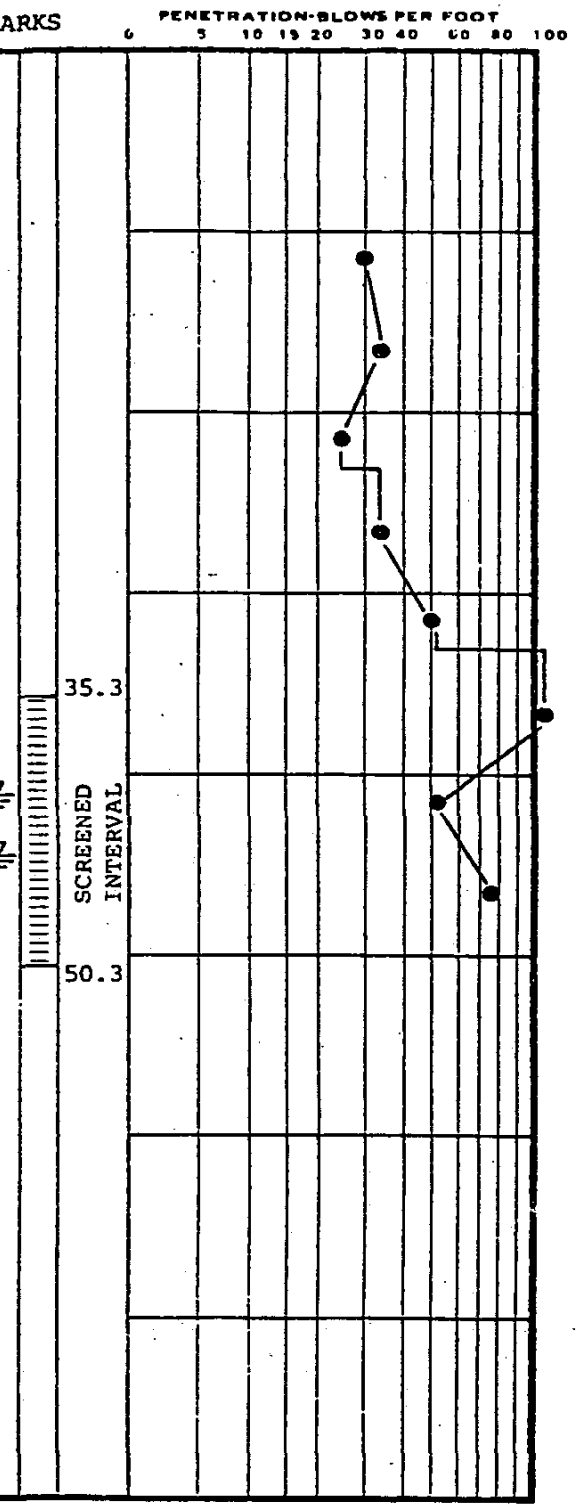
1) Grain Size Analysis
2) Ground Water Level 56.58 feet below Ground Surface on November 27, 1982.
3) Ground Water Level 60.66 feet below Ground Surface on January 17, 1983.

DRILLED BY CST
LOGGED BY BLJ
CHECKED BY WJA

BORING NUMBER MW-1
DATE STARTED 11-3-82
DATE COMPLETED 11-5-82
JOB NUMBER MH2317

TEST BORING RECORD

ELEV.	DEPTH FEET	DESCRIPTION	REMARKS
84.9	0.9	TOPSOIL	
	4.0	Dark Brown silty CLAY, trace sand. Root fragments common.	
	8.0	Light brown silty sand and rock fragments.	
74.9		Light brown slightly fine to course sandy SILT. Occassional rock fragments.	
64.9	23.0	Brown and gray fine to medium sandy very clayey SILT.	
54.9	33.0	Brown fine to coarse SAND and GRAVEL, trace silt. Gravel up to one inch and rounded.	
44.9	37.0	Brown and black coarse sand and gravel, trace of silt. Cobbles up to three inches in diameter. Occassional silty zones.	1) 2)
34.9	53.7	Boring terminated at 53.0 feet.	
24.9			



REMARKS:
1) Ground Water Level 41.01 feet below Ground Surface on November 27, 1982.
2) Ground Water Level 44.54 feet below Ground Surface on January 17, 1983

DRILLED BY CST
LOGGED BY BLT
CHECKED BY WJA

BORING NUMBER MW-2
DATE STARTED 11-10-82
DATE COMPLETED 11-10-82
JOB NUMBER MH2317

GE_CARIBE000441

ATTACHMENT 21

SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

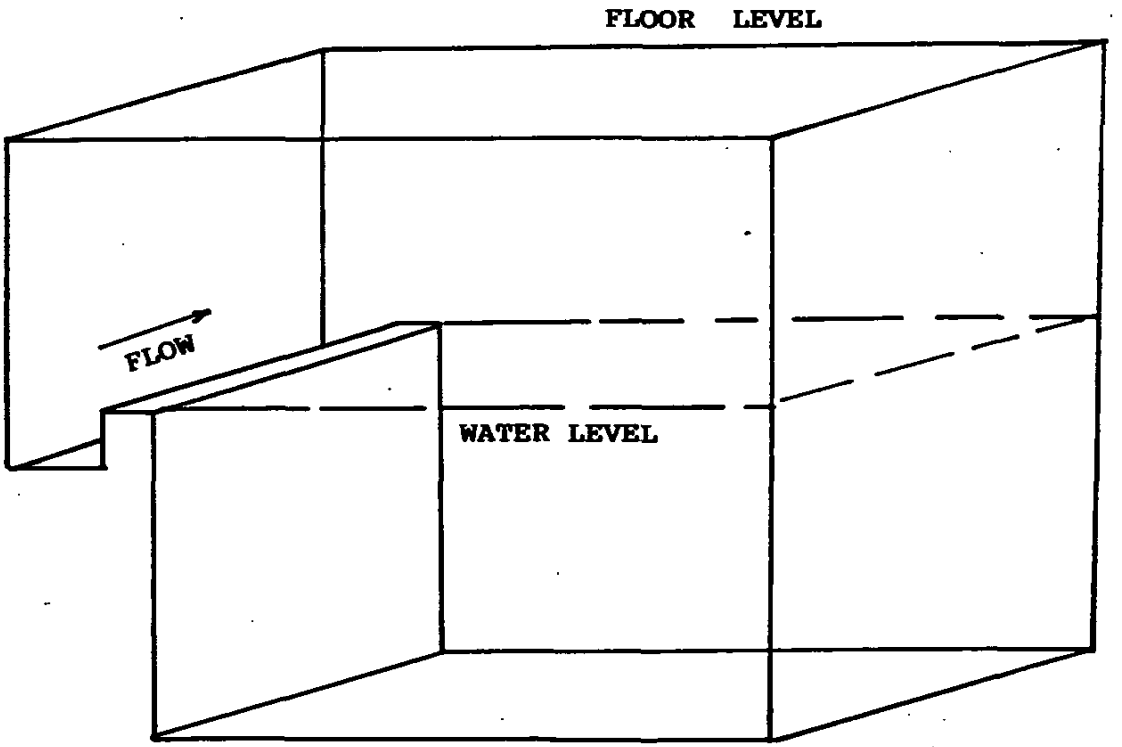
SPECIFIC INFORMATION REQUESTED ON THE SEDIMENTATION TANK

1. AVERAGE FLOW - 420 GALS OF WATER/HR
2. CAPACITY - 4,869.32 GALLONS
3. SIZE OF TANK - PLEASE REFER TO DRAWINGS
4. TYPE OF TANK - SEMI-ABOVE GROUND
5. OTHER - ENGINEERING DOCUMENTS DEVELOPED FOR TANK CONSTRUCTION NOT AVAILABLE.

SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SEDIMENTATION TANK



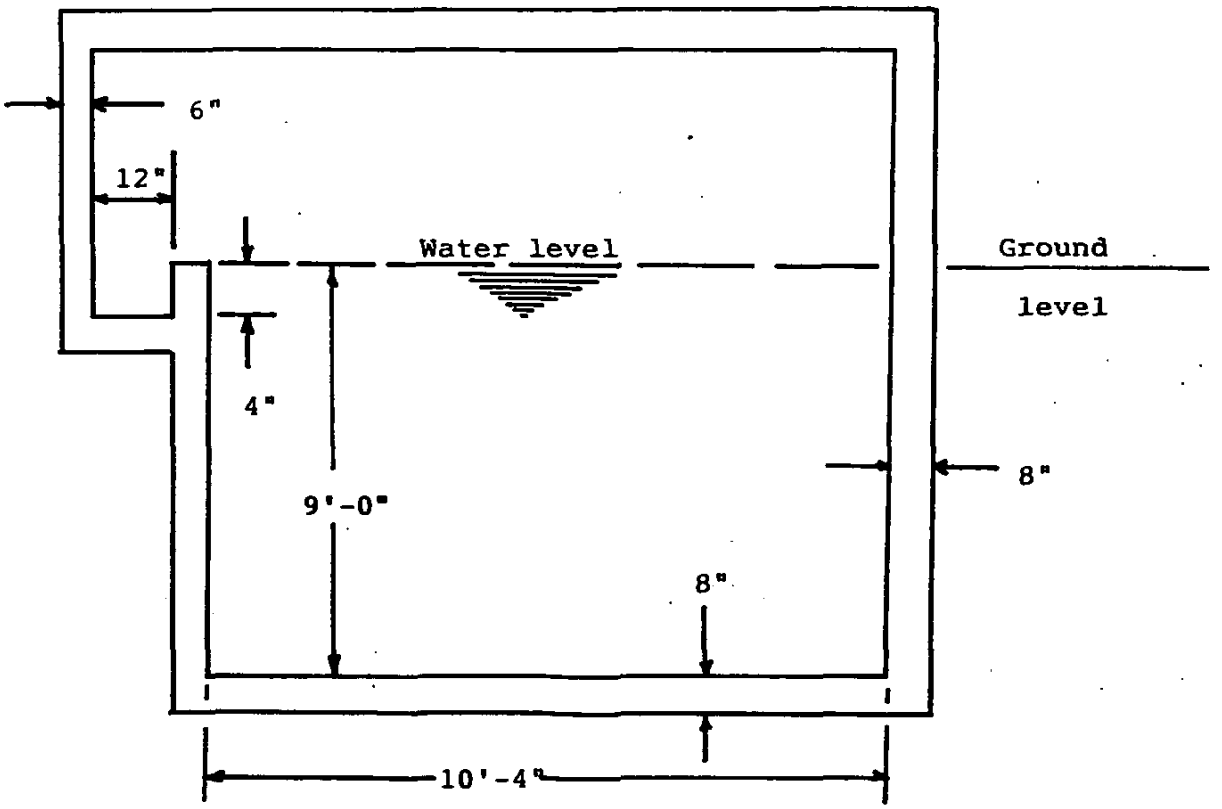
TANK MADE OF REINFORCED CONCRETE

SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SETTLING TANK

SIDE VIEW

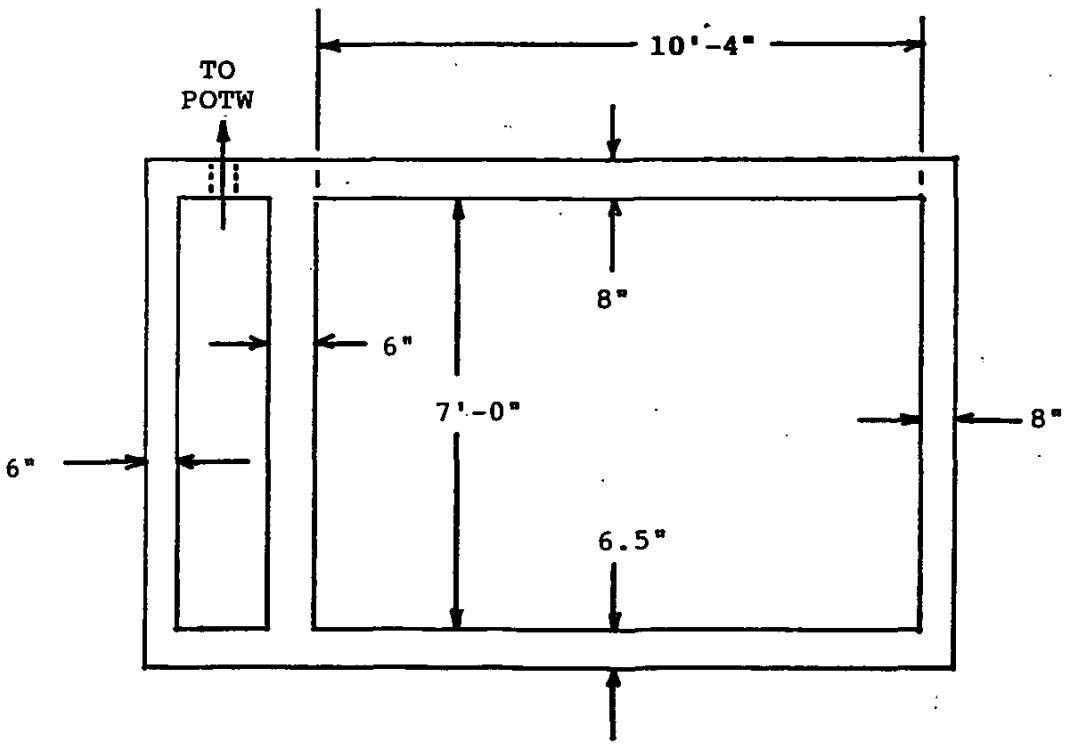


SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

PLATING SETTLING TANK

TOP VIEW



ATTACHMENT 22

EKOLAS[illegible]	[illegible]	EKO-5
EKOLASID 356	PLATING	EKO-6
MAGNUS BRIGHT DIP S-	PLATING	JD-9
MAGNUS 800-X	PLATING	JD-10
ALKALOX B9	PLATING	ALKA
METEX NICKEL BRIGHTENER #30	PLATING	18130
MAGNUS 26-N	PLATING	JD-19
METEX NICKEL BRIGHTENER #14	PLATING	18114
METEX NICKEL BRIGHTENER #33	PLATING	18133
QUATRASID	PLATING	QUAT
MICROPOLISH 5 F	PLATING	18652
SODIUM HYDROXIDE	PLATING	3
BORIC ACID	PLATING	4
RONASTRIP 37	PLATING	RONA
SULFURIC ACID	PLATING	9
STANNOUS SULFATE	PLATING	14
HYDROCHLORIC ACID	PLATING	30-A
NICKEL SULFATE	PLATING	WD200
ZINC BALL ANODES	PLATING	WD202
CUMAC F	PLATING	CUMA
POTASSIUM CHLROIDE	PLATING	KCL
CUMAC F-MT	PLATING	CUMA-1
ACTIVATED CHARCOAL	PLATING	CARB
NICKEL PURIFIER	PLATING	18190
PTH ADDITIVE	PLATING	PTH
PICTAX	PLATING	PTAX
SODIUM METABIFULFITE	PLATING	WD209
TIN ANODE	PLATING	TB-1
NICKEL ANODE	PLATING	NIK
COPPER ANODE	PLATING	COAN
PROTECTIVE OIL	PLATING	OSPO
Z-242	PLATING	EBZ-242
MACRO COLOR 153	PLATING	18673
KENVERT NO 170-S	PLATING	10619
ZINC CHLORIDE	PLATING	ZNCL
HYDROGEN PEROXIDE	PLATING	HYPER
WETTING AGENT #12-A	PLATING	18112
COPPER GLEAM	PLATING	GLEAM
CONTACT TIN #1	PLATING	13301
CONTACT TIN #2	PLATING	13302
ROTO-BRITE XL-309	PLATING	XL-309
ROTO-BRITE L-326	PLATING	L-326
SODIUM CHLORIDE	PLATING	NaCL
ALUMINUM SULFATE	PLATING	Alum

DEC 23 198[illegible]

ATTACHMENT 23

PRETREATMENT STANDARD

DISCHARGE MONITORING REPORT

JULY 1 to DECEMBER 31, 1988

DATE: DEC 28 1988

1. Facility Name: Caribe General Electric Products, Inc.

2. EPA ID. NO. : PRD090282757

3. Mailing Address : P.O. Box 1430
Juana Diaz,
Puerto Rico 00665

Location: Road 149, Km 67
Juana Diaz,
Puerto Rico 0066

4. Report Completed by : Stephen Brown
Tel. : 809-837-2500

GE_CARIBE000450

5. Wastewater Flow : (E - Estimated)

	Daily Average (gal/day)	Daily Max. (gal/day)
Regulated Stream	8640 (E)	9000 (E)
Non-regulated Stream	1000 (E)	1050 (E)
TOTAL	9640 (E)	10,050 (E)

6. Measurement of Pollutants

Sampling Period (dates) : 12/20 - 12/22 , 1988

Sample Description

Sample #	DAte	Location	Anal. Method	Comp/Grab	Certification
1	12/20	J.D.	EPA	Comp	Envirolabs
2	12\21	J.D.	EPA	Comp	Envirolabs
3	12/22	J.D.	EPA	Comp	Envirolabs

7. Compliance : No adjustments

GE_CARIBE000451

COMPLIANCE (Continued)

COMPLIANCE TABLE

Daily Max (mg/l)

Parameter	Fed Limits	Sample # 1	Sample #2	Sample #3
Cadmium	0.69	< 0.01	< 0.01	< 0.01
Chromium	2.77	0.80	1.20	0.75
Copper	3.38	0.15	0.12	0.14
Lead	0.69	< 0.01	< 0.01	< 0.01
Nickel	3.98	0.13	< 0.01	< 0.01
Silver	0.43	< 0.01	< 0.01	0.02
Zinc	2.61	6.90	5.80	6.90
Cyanide	1.20	< 0.02	< 0.02	< 0.02

All the other parameters as required by PRASA are included in the analysis reports.

Compliance with Federal Categorical Limits not achieved in the Zinc Parameter.

COMPLIANCE (Continued)

COMPLIANCE TABLE

Daily Average (mg/l)

Parameter	Fed. Limits	Ave.
Cadmium	0.26	< 0.01
Chromium	1.71	0.91
Copper	2.07	0.13
Lead	0.43	< 0.01
Nickel	2.38	0.05
Silver	0.24	0.01
Zinc	1.48	6.53
Cyanide	0.65	< 0.02

Compliance with Federal Categorical Limits not achieved in the Zinc parameter because of phase-in problems of a newly installed wastewater treatment plant. Once fully operational, all the parameters will meet the Federal Categorical Limits.

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitations (or Pretreatment Standard) for total toxic organics (TTO) , I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occured since filing the last discharge monitoring report.

Jerry Purdy
NAME

Plant Manager
TITLE

SIGNATURE

DEC 28 1988
DATE

8. Certification

I certify that I have personally examined and I am familiar with the information in this report, and that, based on my inquiry of those persons immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

Jerry Purdy
NAME

Plant Manager
TITLE

SIGNATURE

DEC 28 1988
DATE

ENVIROLABS INC.
INDUSTRIAL AND ENVIRONMENTAL LABORATORIES

December 28, 1988

Caribe General Electric Products, Inc.
P.O. Box AE
Juana Diaz, Puerto Rico 00665

ANALYSIS REPORT

Sample Identification:

Treatment Plant Effluent
24 hr. Composite Sample
December 20, 1988
Envirolabs No. 24-915

pH	10.81 S.U. @ 24°C	
Color	35 Pt-Co Units	
Biochemical Oxygen Demand	43	mg/l
Total Suspended Solids	60	mg/l
Settleable Solids	38	mg/l
Phenols	<0.01	mg/l
Cyanide	< 0.02	mg/l
Aluminum	0.1	mg/l
Cadmium	< 0.01	mg/l
Chromium, total	0.80	mg/l
Copper	0.15	mg/l
Iron	0.32	mg/l
Lead	<0.01	mg/l
Manganese	0.03	mg/l
Mercury	<0.001	mg/l
Nickel	0.13	mg/l
Selenium	<0.1	mg/l
Silver	< 0.01	mg/l
Tin	0.5	mg/l
Zinc	6.9	mg/l
Oil and grease	9.0	mg/l

SABANETAS INDUSTRIAL PARK • PONCE, P.R. • TEL. (809) 848-6050
MAILING ADDRESS • P.O. BOX 59 • MERCEDITA, PUERTO RICO-00715

ANALYSIS REPORT (CONT.)

Sample Identification:

Treatment Plant Effluent
24 hr. Composite Sample
December 21, 1988
Envirolabs No. 24-931

pH	10.35 S.U. @ 17°C	
Color	20 Pt-Co Units	
Biochemical Oxygen Demand	40	mg/l
Settleable Solids	33	mg/l
Total Suspended Solids	36	mg/l
Phenols	0.07	mg/l
Cyanide	< 0.02	mg/l
Aluminum	< 0.1	mg/l
Cadmium	< 0.01	mg/l
Chromium, total	1.2	mg/l
Copper	0.12	mg/l
Iron	< 0.01	mg/l
Lead	< 0.01	mg/l
Manganese	< 0.01	mg/l
Mercury	< 0.001	mg/l
Nickel	< 0.01	mg/l
Selenium	< 0.1	mg/l
Silver	< 0.01	mg/l
Tin	0.4	mg/l
Zinc	5.8	mg/l
Oil and grease	3.5	mg/l

ANALYSIS REPORT (CONT.)

Sample Identification:

Treatment Plant Effluent
24 hr. Composite Sample
December 22, 1988
Envirolabs No. 24-940

pH	10.90 S.U. @ 25°C	
Color	50 Pt-Co Units	
Biochemical Oxygen Demand	64	mg/l
Total Suspended Solids	162	mg/l
Settleable Solids	126	mg/l
Phenols	0.02	mg/l
Cyanide	< 0.02	mg/l
Aluminum	0.1	mg/l
Cadmium	< 0.01	mg/l
Chromium, total	0.75	mg/l
Copper	0.14	mg/l
Iron	0.17	mg/l
Lead	< 0.01	mg/l
Manganese	0.01	mg/l
Mercury	< 0.001	mg/l
Nickel	< 0.01	mg/l
Selenium	< 0.1	mg/l
Silver	0.02	mg/l
Tin	0.6	mg/l
Zinc	6.9	mg/l
Oil and grease	228	mg/l

ENVIROLABS, INC.

Iris M. Chevere

rgo

GE_CARIBE000457

ATTACHMENT 24

ANALYSIS REPORT

SAMPLE IDENTIFICATION:

Sample from Caribe General Electric Products, Inc. - Juana Dia
Identified as **Hydraulic Oil - Used - Sample No. 1**
July 14, 1987 (7:00 A.M.)
Envirolabs No. 16-097

HAZARDOUS CHARACTERISTICS

IGNITABILITY: Hazardous Wastes Number D 001

Sample **does not** exhibit the characteristics of ignitability according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes."

Flash Point, PMCC ..... over 230°F

CORROSIVITY: Hazardous Wastes Number D 002

Sample **does not** exhibit the characteristics of corrosivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes."

Corrosion Rate ..... < 6.35 mm per year

REACTIVITY: Hazardous Wastes Number D 003

Sample **does not** exhibit the characteristics of reactivity according to the U.S. Environmental Protection Agency, Manual SW 846, "Test Methods for Evaluating Solid Wastes."

Sulfide ..... < 10 PPM

Cyanide ..... < 10 PPM

ANALYSIS REPORT

SAMPLE IDENTIFICATION:

Sample from Caribe General Electric Products, Inc. - Juana Díaz, P.R.
Identified as Hydraulic Oil - Used - Sample No. 1
July 14, 1987 (7:00 A.M.)
Envirolabs No. 16-097

E.P.A. HAZARDOUS WASTE NUMBER	E.P. TOXICITY METALS IN SAMPLE		MAXIMUM CONTAMINANT LEVEL ALLOWED
D 004	Arsenic, As	< 0.1 mg/l	5.0 mg/l
D 005	Barium, Ba	< 1.0 mg/l	100.0 mg/l
D 006	Cadmium, Cd	1.0 mg/l	1.0 mg/l
D 007	Chromium, Cr	1.0 mg/l	5.0 mg/l
D 008	Lead, Pb	5.0 mg/l	5.0 mg/l
D 009	Mercury, Hg	< 0.1 mg/l	0.2 mg/l
D 010	Selenium, Se	0.9 mg/l	1.0 mg/l
D 011	Silver, Ag	< 0.1 mg/l	5.0 mg/l

Samples **does not** exhibit the characteristics of E.P. Toxicity (Metals) according to the U.S. Environmental Protection Agency, Manual SW 846, Test Methods for Evaluating Solid Wastes.

CHAIN OF CUSTODY RECORD

ENVIROLABS, INC.

PROJ. NO. PROJECT NAME: CARIBE GENERAL ELECTRIC PRODUCTS, INC.

SAMPLERS: (Signature) Joe Gallegues 7-14-87 Juana Diaz

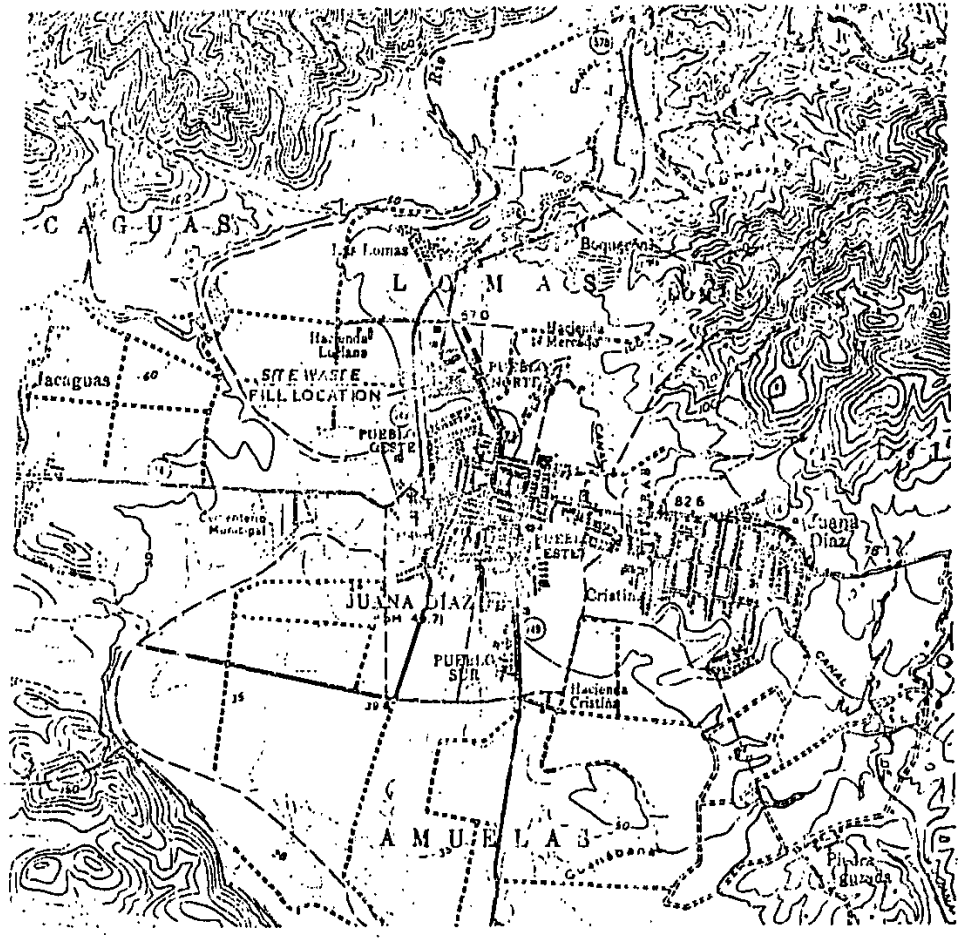
STA. NO	DATE	TIME			STATION LOCATION	NO. OF CONTAINER							REMARKS
1	7/14/87	AM 7:00	1609T		INJECTION MOLDING JUANA DIAZ PLANT	1							USED HYDRAULIC OIL GRAB SAMPLE Full RECKA

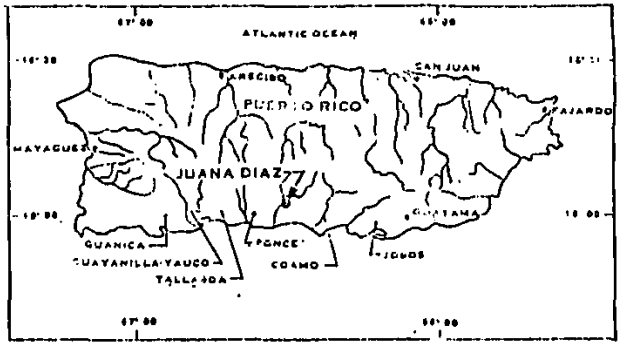
RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	RELINQUISHED BY:	DATE / TIME	RECEIVED BY:
Joe Gallegues	7/14/87 11:00 AM	Kenneth Hurd	Kenneth Hurd	7/14/87 11:00 AM	Wynna J. Rosado
RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	RELINQUISHED BY:	DATE / TIME	RECEIVED BY:
RELINQUISHED BY:	DATE / TIME	RECEIVED FOR LAB BY:	DATE / TIME	REMARKS	

ATTACHMENT 25

Scheme of the Electroplating Area

ATTACHMENT 26





GENERAL LOCATION MAP

NOTES:

MODIFIED AFTER THE PONCE, PUERTO RICO 7.5 MINUTE QUADRANGLE, 1964

GROUND ELEVATIONS ARE IN METERS.

CONTOUR INTERVAL 15 METERS.

GENERAL ELECTRIC COMPANY

LAW ENGINEERING TESTING COMPANY
MARIETTA, GEORGIA

LOCATION MAP AND TOPOGRAPHIC FEATURES IN THE VICINITY OF THE SITE

JOB NO. MH1223 FIGURE 1

ATTACHMENT 27

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental Quality Board

April 4, 1989

M E M O R A N D U M

TO : Mr. William O'Neill
Chief
Inspection, Monitoring and Surveillance Section

THROUGH : Mrs. Flor L. del Valle
Director
Land Pollution Control Area

: Mr. Carlos R. Martinez
Acting Director
Hazardous Waste Division

FROM : Aida T. Fuentes Rivera
Junior Environmental Sciences Specialist

SUBJECT : RFA Visit Site Inspection
Caribe General Electric Products, Inc.
Juana Diaz, Puerto Rico
PRD090282757

As part of the RCRA Facility Assessment (RFA) performed by the Permits and Engineering Section to the above mentioned company, two visual site inspections were conducted on December 21, 1988 and on February 8, 1989, respectively.

Three situations were observed to occur which we consider should be referred to your section for the appropriate actions. These are:

1) The Container Storage Area No. 3 (CSA3), Area 2 which should be utilized for storage of metal scrap was being used for storage of raw materials such as Sodium Hydroxide, Sodium Metabisulfide, Zinc Chloride, Copper, Boric and Calcium Chloride, among others. Since the unit has no containment system, any accidental spill of any raw material could

reach the soil around the unit. Although, due to the low permeabilities attributable to the site soils, potential that releases could reach the groundwater is considered to be low. Nevertheless, it is recommended that the area should be solely utilised for the storage of metal scrap. The Inspection, Monitoring and Surveillance (IMS) Section should make the company complies with the recommendations.

2) From a non-routinely operation of destripping of brass pieces, a tin sludge is generated. By the time of the inspection on December 21, 1988, a tank and a drum were found in the electroplating area half full of tin sludge. However, accumulation time could not be determined. On the re-inspection performed on February 8, 1989 tin sludge from both containers had been mixed and stored at the Hazardous Waste Container Storage Area while characterisation of the waste was completed. Due to this fact, there is a concern about a potential maldisposition of the tin sludge. The IMS section should be aware of this situation in order to watch that the company disposed of the sludge in an appropriate manner.

3) During visual inspections of the Electroplating Area, bases of tanks were observed to be corroded and lines from most of the tanks were leaking. Nickel buildups were observed in the outlet valves of the Nickel tank and over the concrete floor. Although some of the leakings are canalised through channels into the old Wastewater Treatment Plant, there is a potential of soil contamination from leakings and metal buildups from the electroplating tanks. The IMS section should encourage the company to repair leaking lines and corroded tanks.

Photographic evidence of the above observations are included in the RFA report prepared for the company by our section.

Should you have any question regarding this matter, please contact the subscriber.

ATF/eas

20

LAW ENVIRONMENTAL

ENVIRONMENTAL BASELINE STUDY
GENERAL ELECTRIC
WIRING DEVICE FACILITIES

CARIBE GENERAL ELECTRIC PRODUCTS, INC.

JUANA DIAZ, PUERTO RICO

PREPARED FOR:

HUBBELL, INC.

AND

GENERAL ELECTRIC COMPANY

PREPARED BY:

LAW ENVIRONMENTAL - CARIBE

AND

LAW ENVIRONMENTAL, INC.

PROJECT NO. 57-9611

SEPTEMBER 1989

LAW ENVIRONMENTAL

CARIBE DIVISION
54-56 BOLIVIA STREET
HATO REY, PUERTO RICO 00917
809-758-2909

September 5, 1989

GE Lighting #1350
Nela Park, Bldg. No. 335
Cleveland, OH 44112

Hubbell, Inc.
584 Derby Milford Road
Orange, CT 06477

Attention: Mr. Arthur L. Kaplan,
GE Lighting
Manager, Environmental Programs and

Mr. John Mulvihill,
Hubbell, Inc
Senior General Attorney

Subject: Report of Environmental Baseline Study
GE Wiring Device Facility
Juana Diaz, Puerto Rico
Law Environmental Project No. 57-9611

Dear Sirs:

Law Environmental is pleased to provide this Report of the Environmental Baseline Study of the Caribe General Electric Products Inc., Juana Diaz facility. This report is provided in accordance with our proposed Scope of Services as described in Law Environmental's Proposal No. 57-9173, dated June 1, 1989, and as authorized by Mr. Arthur L. Kaplan on June 29, 1989. The attached report provides a brief discussion of the scope of work performed and the results of our investigation.

This submittal incorporates the comments to our draft document obtained during the GE/Hubbell/Law meeting held on July 20, 1989 at our Tampa Service Center. It also addresses written comments from Hubbell received on August 22, 1989.

We appreciate the opportunity to be of service to General Electric Co. and Hubbell Inc. on this project. If you have any questions or if we can be of any further assistance, please contact the writers at your convenience.

Sincerely,

Gilberto Rivera Huertas, P.E.
Senior Environmental Engineer

William E. Imbur
Principal Environmental Scientist

Glenn N. Coffman, P.E.
Principal Engineer/Partner

/als

ENVIRONMENTAL BASELINE STUDY
GENERAL ELECTRIC
WIRING DEVICE FACILITIES

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ, PUERTO RICO

Prepared for:

HUBBELL, INC.

and

GENERAL ELECTRIC COMPANY

Prepared by:

Law Environmental-Caribe
and
Law Environmental, Inc.

Project No. 57-9611

SEPTEMBER, 1989

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EXECUTIVE SUMMARY

Law Environmental has completed an Environmental Baseline Study of Caribe General Electric Products, Inc., Wiring Devices facility in Juana Diaz, a municipality on the south coast of Puerto Rico.

The purpose of the study was to identify and evaluate the potential for significant environmental liabilities associated with areas of non-compliance with applicable U.S. EPA and Commonwealth of Puerto Rico environmental regulations.

The site survey associated with the study was performed by William E. Imbur and Gilberto Rivera Huertas on June 28 and 30, 1989. The survey report is based on visual observations of the facility, interviews with knowledgeable plant personnel and a review of records and permit documents available at the GE-site. Records were reviewed at regulatory agencies offices in Puerto Rico and in EPA offices in New York to identify any on-site or adjacent operations that may impact the GE-Juana Diaz site.

GE-Juana Diaz is currently in the process of reclassification from a TSD (storage) facility to a "Generator only" facility by means of closure of the container storage area. The storage facility will continue to be used as a less than 90 day storage area.

The following summarizes our findings:

- Plant management has acknowledged the past use of materials containing chrome for cooling water operations. There is a potential for the existence of chrome residuals in the old cooling water concrete tank behind Building 2.

- There is a potential for release of metal and organic constituents from the underground concrete tank used in the original waste water treatment system.

- Two of the three existing power transformers at the site contain PCBs at concentrations below reportable quantities. Although there is no visual evidence of leaks, there is a potential for the existence of PCB contaminated soils around the transformer areas.

- No decontamination activities have apparently been performed at the former mercury operation area in Building 2. Available records indicate that elemental mercury had been observed in past sampling activities at various plant areas. There is a potential for the existence of mercury residuals in both areas.

- No air monitoring records exist at the site. However, the air emission regulations of PR include limitations for daily emissions of particulate matter and daily and hourly emissions of volatile organics.

- Available information indicate the existence of an underground tank in the area of the old cooling tower concrete tank west of Building 2. There is a possibility that the tank may have been used to store fuel oil for a boiler that operated in that area.

- A metal shed may had existed outside of and south of Building 2 in which water with traces of mercury was evaporated to reclaim the mercury. The location of the shed could not be identified. If it existed, there is a potential for adjacent soils to contain traces of mercury.

- GE-Juana Diaz may become a potential responsible party (PRP) if an EPA cleanup order is issued to Servicios Carbareon, a local landfill previously used by GE. Carbareon currently has interim status as a storage facility and is under a compliance order by EPA.

- The west lot (Superfund Site) has not been part of this investigation. Therefore, it becomes an off-site environmental issue to the joint venture.

1.0 INTRODUCTION

1.1 Purpose and Scope

Law Environmental has completed an Environmental Baseline Study of Caribe General Electric Products, Inc., Wiring Devices facility in Juana Diaz, Puerto Rico (GE-Juana Diaz). The site survey was performed by William E. Imbur and Gilberto Rivera Huertas on June 28 and 30, 1989. The survey was jointly requested by Hubbell, Inc. and General Electric Company. Hubbell and General Electric are developing a joint venture relationship for this facility. The purpose of the Juana Diaz facility survey was to identify and evaluate the potential for significant environmental liabilities which would become part of the joint venture.

The scope of work included the identification of areas of non-compliance with applicable U.S. EPA and Commonwealth of Puerto Rico environmental regulations. The specific areas surveyed included: waste management and disposal practices (including underground storage tanks), wastewater treatment plant operations and discharges, air emissions, polychlorinated biphenyls (PCBs), potential existence of asbestos, CERCLA liability, SARA Title III submittals, and adjacent land uses. It is our understanding that the west lot (Superfund Site) will not be transferred at this time; therefore this area is outside the scope of the study. The scope of the survey did not include any new sampling or chemical analysis.

The survey was based on visual observations of the facilities by Law Environmental personnel, interviews with knowledgeable plant personnel and a review of records and permit documents available at the facility. Law Environmental personnel interviewed

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Commonwealth regulators in Ponce and San Juan, PR and Federal regulators at EPA Region II offices in New York, NY for existing information concerning the facility. The CERCLIS, Notifiers, National Priorities List (NPL), and Facility Index System (FINDS) lists were reviewed to identify any adjacent operations that may impact the GE site.

1.2 Background Information

The General Electric Company owns and operates a wiring device manufacturing plant within the municipality of Juana Diaz on the island of Puerto Rico. The plant property was initially leased from the Puerto Rico Industrial Development Company (PRIDCO), an agency of the Puerto Rican government, in August of 1957. The facility has been in continuous operation since that time. General Electric purchased the property from PRIDCO in 1987. Building 1 was constructed and occupied in 1957. Building 2 was also constructed by PRIDCO in 1960. The parking lots and the areas between buildings 1 and 2 were paved in 1970. A retaining wall and storm drainage system between the west lot and the remainder of the property was constructed in 1982. Storage sheds for 55 gallon drums of oil and electroplating compounds were constructed in 1980 and 1983 respectively. The various manufacturing operations of the plant are summarized as follows:

- Mercury containing silent switches - 1957 to 1969
- Fluorescent bulb starters - 1957 to present
- Multiple plug taps - 1957 to present
- Electrical plugs - 1957 to present
- Electrical outlets - 1957 to present
- Pull chain fixture socket - 1957 to present
- Brass stamping operations - 1970 to present
- Electroplating - 1971 to present

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1.3 Site Description

GE-Juana Diaz Plant is located north of the city of Juana Diaz, a municipality on the south coast of Puerto Rico. A Site Location Map is included as Figure 1. The facility address is Carrion Maduro Street, Road No. 149 Km. 67, Juana Diaz, Puerto Rico. The mailing address is P.O. Box 1430, Juana Diaz, PR 00665.

The facility is comprised of two buildings, each approximately 29,275 square feet. The manufacturing operation includes the following processes: molding, metal stamping, electroplating, and assembly.

The GE-Juana Diaz site is surrounded on the north, south, and west by commercial and industrial properties. A Land Use Map is included as Figure 2. Single-family residences are located within a half-mile radius to the north and south of the GE site. A PRIDCO building (formerly occupied by GCI Shoe) is located west of the site. Carrion Maduro Street (Road 149) is east of the GE-Juana Diaz site.

Knowledge of past land use at the site is based on aerial photographs of the Juana Diaz area and conversations with personnel currently employed at the facility. The aerial photographs were taken by the Puerto Rico Highway Authority from 1936 to present. The photographs show that the site area was used for agricultural purposes, probably a sugar cane field, between 1936 and 1956. An agricultural equipment maintenance area to the northwest of the site is visible in the 1936 photo. There are no other structures of importance in the area besides the residential homes. The undeveloped land was typically used for pasture and sugar cane production.

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By 1964 the Juana Diaz Industrial Park had grown to include both GE buildings. The park also included five more buildings at that time. These buildings are identified in Figure 2 as Nos. 2 (two buildings), 3, 4, and 5. A storage house of the Puerto Rico Electric Power Authority (PREPA) (Building No. 6 on the Land Use Map) can be observed north of the site in the 1964 photo. This area includes a power substation.

By 1977, the area had been developed into approximately the current land use. Building No. 3 shown on Figure 2, currently occupied by GCI Shoe, had been completed to its current size. Based on the 1977 photo, the loading/unloading bridge between the GE buildings had been constructed. Also, the vacant lot southeast of the GE Building 1 was well defined at this time. Prior to 1964, the lot was used for pasture. It has remained vacant since that time.

Aerial photographs taken in March 1988, show the industrial park surrounded by urban development. The agricultural equipment maintenance area located to the northwest of the GE site is shown adjacent to a baseball field. The GCI Shoe building is shown with a new parking area to the extreme south of the building. Remaining undeveloped areas are apparently maintained as pastures.

2.0 FACILITY NATURAL RESOURCES

2.1 Geology

The Island of Puerto Rico is roughly rectangular, 100 miles from east to west and 35 miles from north to south. Most of the Island's land mass is made up of a broad east-west complex of volcanic, sedimentary and igneous plutonic rocks - the Central Cordillera. This core complex was formed by sedimentary deposition and volcanic activity

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beginning in the early Cretaceous. Toward the end of the Cretaceous, this activity was accompanied by plutonism in the eastern and central parts of the island.

From mid-Oligocene through Miocene, thick carbonate sequences were deposited along the north and south coasts of Puerto Rico. These deposits were exposed due to uplift which began in the Pliocene and continued perhaps into the Quaternary.

The GE-Juana Diaz site is located at the base of the foot hills on the southern flanks of the Puerto Rican Central Cordillera within the Rio Jacaguas basin on river-borne alluvial deposits. Tertiary and Cretaceous volcanics predominate the headwaters of the Jacaguas River. The Tertiary and Cretaceous volcanics also contain pockets of marine sedimentary rocks.

Two geologic formations of importance have been identified in the vicinity of the study area. These formations are the Juana Diaz Formation and the Ponce Limestone.

The Juana Diaz Formation is Tertiary in age (approximately 6.3 to 2.5 million years before the present) and is composed of shale, sandy limestone, and conglomerates. This formation has regional variations in thickness of between 0 and 2150 feet and overlie the cretaceous rocks of the Central Cordillera to the north.

The Ponce Limestone Formation is also Tertiary in age and is composed of chalky, thin-to-medium bedded limestone, locally containing beds of shales and sands. This formation is fossiliferous and porous except near the base where a hard crystalline member and a homogenous silty member overlie the Juana Diaz beds in slight unconformity.

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Hydrogeologic studies conducted at the site describe the subsurface conditions of the west lot area. There is no information that would indicate the similarity of this area with other areas of the GE-Juana Diaz site. We can assume, however, that the following description is applicable.

The GE-Juana Diaz west lot is situated on native soil that, in the Juana Diaz area, is a pervasive silty clay stratum known as the Fraternidad clay. The silty clay stratum serves as the uppermost physical barrier to the vertical migration of surficial waters.

Underlying the silty clay unit are alluvial deposits consisting primarily of silty sands, clayey silt, and sandy gravel. On-site soil boring data show the clayey silt to be a continuous unsaturated unit, 20-to 40-feet thick, that displays aquitard qualities similar to those of the shallower silty clay stratum.

2.2 Hydrogeology

The site is situated in Holocene, coastal-plain alluvium sediments deposited by the Jacaguas River. The alluvium is composed of a mixture and random assemblage of clays, sands and gravels. The alluvium is the most important ground-water reservoir; however, no general traceable sand or gravel layers have been reported. The water table fluctuations are directly related to the rainfall, ground-water withdrawal, and water levels in the Jacaguas River. The alluvium is also reported as the source of base flow for this river system. Ground-water flow in the regional alluvial aquifer is generally south toward the Caribbean Sea (Figure 3).

Wells from the Puerto Rico Aqueduct and Sewer Authority (PRASA) indicate that the top of the Juana Diaz Formation (rock) occurs at a depth of about 45 feet beneath the

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ground surface. Water levels have been identified from approximately 2 feet to 85 feet below the ground surface. The formation has limited importance to the ground water as a result of its characteristically low hydraulic conductivity. The associated ground water is generally saline as a result of connate waters or ocean water entrapped in the interstices at the time the sediment was deposited. A well field south of the GE-Juana Diaz site supplied approximately 3.7 mgd of ground water to Juana Diaz in 1966 (Giusti, 1969). The alluvium has been reported as a potential source for further development through induced infiltration (Giusti, 1969).

2.3 Hydrology

The main hydrologic features of the area are the Jacaguas River that meanders to the west of Juana Diaz toward the Caribbean Sea, and the Juana Diaz Canal, located about half a mile east of the site. The recording station on the Jacaguas River at the head of the alluvium is located downstream from all river diversions, about 500 feet from the farthest downstream station. The base flow is believed to consist of seepage from below the Guayabal Dam, north of Juana Diaz, seepage from the diversion canals, return flow from irrigation, and ground-water seepage from 9.4 square miles of area between the gaged site and the dam. The flow of the Jacaguas River has been recorded at about 20,200 acre-feet per year (USGS, 1966).

2.4 Topography

The USGS topographic map, Ponce and Rio Descalabrado quadrangles (Figure 1) shows the plant area at about 160 feet above mean sea level. The town of Juana Diaz is located in the riverbank of the Jacaguas River. The flood insurance rate map prepared by Federal Emergency Management Agency (FEMA), 1982 revision, shows the vicinity of GE-Juana Diaz site in the 500-year flood plain.

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2.5 Meteorology

The Juana Diaz area has the aspect of semiarid land at various times of the year. Meandering strips of green traverse an otherwise drab, yellowish-brown landscape. The elevation and orientation of the mountain chain is responsible for this feature. Moisture-laden air masses are brought to the Island by the northeast trade winds. The Puerto Rican Central Cordillera runs east to west, and air masses release most rain on the windward side of the northern slope at relatively high elevations. The southern slope is screened off and receives only a small fraction of the rainfall deposited on the northern slopes.

Rainfall increases with elevation but apparently not in direct proportion to elevation. An average of 30 inches per year falls at sea level, 60 inches per year at an elevation of approximately 450 feet, and 90 inches per year at an elevation of approximately 1,800 feet (USGS, 1966). The variability of rainfall with elevation occurs both yearly and seasonally. January, February and March generally constitute the dry season; April and May mark the first wet period, followed by a rainfall recession in June and July. August, September, and October is the rainiest season; and November begins the rainfall recession into the dry season.

The mean annual temperature in the Juana Diaz area is approximately 80°F. The temperature varies approximately 5°F between January and July.

Wind direction is generally from the east. A wind rose diagram for the San Juan International Airport station is included as Figure 4. The National Climatic Center in

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Asheville, NC indicated that there are no wind rose diagrams on file for the area of Juana Diaz.

3.0 SITE AND SURROUNDING AREA VISIT

3.1 Site Survey

The environmental survey of the GE-Juana Diaz site was performed by William E. Imbur and Gilberto Rivera Huertas on June 28 and 30, 1989. Mr. Jose Marques of GE-Juana Diaz accompanied the visitors and answered process and regulatory related questions. Other current and former GE-Juana Diaz employees interviewed were Messrs. Jacobo Calder, former Employee Relations Manager, Juan Colon, former Materials Manager, and Pedro Pillot, former Area Supervisor and present Plant Manager for the GE-Ponce facility.

3.1.1 Facility Processes

The GE-Juana Diaz operation includes the following processes: molding, metal stamping, electroplating, assembly, and wastewater treatment of electroplating effluents. The facility has separate storage areas for molding compounds (controlled temperature room), hazardous waste (F006), used oil, and metal scrap. A block diagram showing the processes for different plant areas is included in Figure 5.

Mr. Marques indicated that past operating practices also included a vapor degreaser, as a first step in the electroplating process, and a mercury related switch operation located in the southwest corner of Building 2.

3.1.2 Raw Materials

A list of materials used at the manufacturing operations has been provided by Mr. Jose Marques. The list is included as Appendix A.

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Mr. Jose Marques indicated that in the past, the raw materials for the plating operation were stored inside the plating room. A covered outside storage area with a concrete floor and combination cinder block and metal walls is being constructed for raw chemical storage. During the site survey raw materials were observed in the new storage area. They are segregated on pallets by type of chemical. We did not observe any type of spill collection system in the storage area.

3.1.3 Waste Materials

The facility generates various waste streams such as used oils, electroplating sludge, scrap metal, and cleaning solvents. Cleaning solvents are used in the tool room in a parts washing system provided by Safety Kleen, Inc. This company provides clean solvent to GE in a container where parts are washed. When the solvent is no longer usable it is sent back to the supplier. Each shipment is manifested to Safety Kleen, Manati, PR. Copies of the manifests are included in Appendix B.

Used oils are stored in 55-gallon drums and sent for reclaiming purposes to Safety Kleen. The covered oil storage shed is located to the south of Building 2. Inside the shed, the drums are kept in wooden pallets. Secondary containment includes a sump and a hand pump to collect spills.

The scrap metal is kept in a roll-off box inside a covered metal shed designed to prevent rainfall from collecting inside the roll-off box. Once full of metal, the roll-off box is hauled off-site. The location of the covered metal shed is shown on Figure 5.

Electroplating sludge has been generated at the GE-Juana Diaz wastewater treatment operation since 1971. Mr. Jose Marques indicated that from 1971 to 1979, the liquid

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sludge was hauled from a 5000 gallon underground concrete tank by tank trucks owned by Servicios Carbareon. This tank is located below the electroplating area. A sketch of the underground concrete tank is included as Appendix C.

Servicios Carbareon, Inc. now known as "Proteccion Tecnica Ecologica, Inc. (PROTECO)," operates an industrial landfill located in Penuelas, PR., about 10 miles to the west of Ponce. GE-Juana Diaz discontinued the services of Carbareon when the landfill began to receive citations from the Puerto Rico Environmental Quality Board (EQB). From 1979 to about 1982 the plating sludge was stored on-site in 55-gallon drums. In 1982, these drums were transported to the Chemical Waste Management facility in Alabama for disposal. From 1982 to date, the sludge has been transported to continental U.S. TSD facilities in Alabama, Louisiana and Arizona. Sludge shipments have been manifested and the records are on file. Copies of the manifests are included in Appendix B.

In January 1989, GE-Juana Diaz installed a new wastewater treatment system that included a filter press. The new treatment system rendered the 5000 gallon underground concrete tank obsolete. During the site survey Mr. Marques indicated that liquids in the tank had been removed and treated by passing through the new treatment system. Plant personnel were in the process of manually cleaning the walls for final closure of the tank during our site visit. Residual sludge in the concrete tank was going to be treated by passing through the new treatment system if possible, or else drummed for appropriate disposal.

Mr. Jacobo Calder indicated that the mercury containing switch operation was active in the southwest section of Building 2 from 1957 to 1969. He indicated that to his

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knowledge, no decontamination procedures were performed in the building when the switch operation was phased out. The complete assembly of the silent switches, including the reclaiming of mercury from rejected switches, was performed in Building 2.

During the site survey in the former switch manufacturing area, button shells were observed in several floor-slab expansion joints. Several button shells were also observed outside Building 2 in the gravel road between the current maintenance shop and the power transformers, southwest of Building 2 and in the scrap equipment storage area at the southwest corner of Building 2.

Mr. Jose Marques indicated that materials containing chromate were used for cooling water treatment at the plant for about six months.

3.1.4 Above/Underground Tanks

There are no above-ground tanks at the GE-Juana Diaz site. No visible features indicating the existence of underground tanks were observed during the site survey.

An open-top concrete structure was observed west of Building 2, north of the power transformer area (Figure 5). Mr. Jose Marques indicated that the concrete structure is an old tank previously used for cooling water purposes. He was unsure whether chromate containing materials were used in the old cooling tower system.

An underground tank placed on a concrete base was reportedly exposed by a backhoe during of construction of the retaining wall located west of Building 2. Mr. Marques indicated that to his knowledge the underground tank remains buried on site. The location of the underground tank was indicated as adjacent to the concrete cooling water tank area (Figure 5).

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In an effort to disclose the use and content of the underground tank, we interviewed Messrs. Jacobo Calder, Juan Colon, and Pedro Pillot. Those discussions suggest that a boiler and ancillary tank equipment were operated in this area. However, conflicting information was offered as to the contents/use of the underground tank.

A high pressure tank containing a mixture of hydrogen/nitrogen used to pressurize the mercury buttons was formerly located at the site. The presence of two concrete saddle structures located to the side of the old cooling water tank suggests that the pressure tank may have been above ground.

3.1.5 Permit Compliance Review

During the site survey, the Law Environmental proprietary inventory questionnaire was used to guide the regulatory compliance review of GE-Juana Diaz operations. A summary of items under each major subject of the questionnaire follows. Discussions concerning the PCBs are included under Section 3.1.8 of this report.

Surface Discharges

There are no known surface water discharges from the plant areas other than storm water. Process waters are discharged to the sewer system owned by PRASA.

PRASA has not required a permit for the plant to discharge their wastewaters. Personnel from PRASA perform periodic sampling of the GE-Juana Diaz effluent. This periodic sampling has indicated violations of the pH limitations. The results of the PRASA analyses and the reports, with surcharge notifications, are kept on file at the plant. Copies of the analysis reports are included in Appendix D.

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GE-Juana Diaz has submitted a wastewater discharge permit application in relation to a new PRASA pretreatment program that may lead to future requirements based on the Federal Categorical Pretreatment Standards for the electroplating industry. PRASA has been subject to legal actions and fines for failure to comply with Federal regulations. A copy of the Industrial Wastewater Discharge Permit Application is included in Appendix E.

A U.S. EPA order to GE-Juana Diaz (EPA-CWA-II-88-08) was issued in January 12, 1988, for violations of the Clean Water Act as a result of the fact that U.S. EPA was not aware that baseline monitoring reports had been filed. Mr. Jose Marques indicated that all reports were filed in time but in response to the order, they re-submitted the documents. There is no information in the GE-Juana Diaz files about final resolution of the order. A copy of the EPA order is included as Appendix F.

Ground-Water Discharges

There are no known ground-water discharges from the GE-Juana Diaz facility.

Air Emissions

The facility operates under EQB Air Emissions Permit No. PFE-39-0786-0518-I-O which is in effect until July 29, 1989. A copy of the Air Emission Permit is included as Appendix G. The emission sources indicated in the permit are two sandblasting machines (wheelabrators) and two ovens.

A renewal application has been submitted by the plant. The renewal application included a replacement of the old wheelabrators (Sources 1 and 2) by new equipment that is located west of Building 1 (Sources 5 and 6). EPA approval of the renewal application is expected during the next 3 months.

A construction permit has been submitted for Source Number 7 (dust collection from grinders) and Source Number 8 (oil mist blower from the press room). The locations of the air emission sources are shown on Figure 5. Once the construction approval is granted by EQB, a use permit application will be filed with the agency. There are no records at the plant of air emissions sampling or inspections and maintenance of the bags inside the dust collection equipment.

RCRA and State Solid Waste

GE-Juana Diaz submitted a notification of hazardous waste activity and a Part A Permit Application for a storage facility in 1980, in accordance with RCRA regulations. A revised application was submitted in 1987, to eliminate cyanide waste streams. A copy of the revised Part A Permit Application is included as Appendix H. A closure plan for the storage facility has been submitted to EPA that will allow the facility to change status from storer to generator only.

Facility contingency plans, training, and waste manifest records were obtained during the site survey. The contingency plan is kept at the main office and in the plating area as indicated by Mr. Marques. The plan is written in English, but Mr. Marques said that it has been explained to the employees in Spanish. Training records are kept on file and include attendance signatures by the trainees. Mr. Marques confirmed this information and also verified that a written waste minimization program is in place.

Manifest records on-site appeared to be well executed and in compliance with applicable regulations. An exception report was filed in 1986, because the disposal facility for F006 sludge (Chemical Waste Management, Emelle, Al.) failed to send the signed copy of the manifest within the allowed time. The manifest copy was received by GE-Juana Diaz later. Copies of the manifests and the exception report are included in Appendix B.

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There is a ground-water monitoring system at the site. This system was installed as part of assessment activities conducted relating to the west lot. The west lot is beyond the scope of this study.

Environmental Incidents (Prevention, Reporting and Response)

The site contingency plan document includes the elements necessary for environmental incidents reporting. GE-Juana Diaz prepares periodic reports under the GE Corporate PULSE Program. Copies of the reports were available for review during the site survey. PULSE deficiencies included in the report referred mainly to administrative procedures which were noted as corrected or with a proposed schedule for completion in August, 1989. A copy of the summary report submitted under the PULSE Program is included as Appendix I.

Drinking Water Inventory

GE-Juana Diaz receives their drinking water from the Puerto Rico Aqueduct and Sewer Authority (PRASA). The intake of the PRASA system is located in the Guayabal Lake north of the Juana Diaz site. This lake is topographically upgradient to GE facilities.

Noise Inventory

Noise surveys have been performed at the facility. A plant sketch showing reported noise levels is included as Appendix J. Noise reduction barriers were observed in the punch press room. Areas where hearing protection equipment is required were marked with signs written in Spanish. No English translation was observed on the signs.

Corps of Engineers Inventory

During the site visit we did not observe any structures, cooling water intakes or any effluent outfall located or discharging into navigable waters at the GE-Juana Diaz site. It appears that a Corps of Engineers permit is not required.

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Sara Title III

The only hazardous chemicals handled at the GE-Juana Diaz site, subject to Sara Title III reporting, are sulfuric and hydrochloric acids. Material Safety Data Sheets (MSDS) have been submitted to the agencies as per applicable regulations along with the required Tier I and II forms. The submittal of both forms is required in PR. Form R, which includes materials discharged to sewer systems, was not completed since GE-Juana Diaz discharges are below reportable quantities.

3.1.6 Existing Studies/Plan Review

In 1979, GE performed a soil sampling activity in the area immediately adjacent to the west exit door of Building 2, near the maintenance shop. Soil samples were analyzed for total mercury. The GE information indicates that visibly contaminated soil was excavated to a depth of two inches and shipped to Bethlehem Apparatus for reclaiming. There is no indication that confirming sampling activity was performed after excavation. GE-Juana Diaz submitted the sampling results to U.S. EPA on June 1, 1984 as part of a document package for the west lot. The referenced document is Number 9 on the package and is included in Appendix K.

Law Engineering Testing Company excavated soil test pits in areas related to the former mercury operation of Building 2 in 1982. This report is also included in Appendix K. The report is included as document Number 21 of the EPA document package submittal mentioned above. The report indicated that elemental mercury was observed near the surface in a test pit advanced near the west exit door of Building 2 (GE sampling area of 1979) and at a depth of approximately one foot in a test pit advanced in an area located south of Building 2, near the southwest corner, about two feet from the edge of the building.

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In November 1987, Law Environmental submitted a report that addressed an U.S. EPA inferred relationship between GE operations and the presence of trichloroethylene (TCE) in a local water well. Chemical analyses dated July 9, 1986, did not report TCE above the detection-limit concentration of 5 ug/l in any of the on-site monitoring wells (MW-1 through MW-4). Tetrachloroethylene was not detected above the 5 ug/l detection limit in any of the monitoring wells. The report indicated that this sampling activity marked the second consecutive time over a three-year period (since the initial on-site TCE occurrence) that concentrations of TCE have not been detected in the monitoring wells. The report concluded that U.S. EPA concerns were not supported by engineering and hydrogeological investigations on the area.

3.1.7 Air Pollution Control Equipment/Structure Review

Pollution control equipment at the site includes the dust collectors for the sandblasting operation (wheelabrator) and the wastewater treatment system for plating effluent. The dust collectors are newly installed and replaced old equipment. Mr. Marques indicated that the equipment was installed using internal staff, following instructions from the manufacturer. There are no written maintenance or inspection procedures for the dust collectors.

The wastewater treatment plant was installed by Aqualogic Inc., North Haven, CT. There is a certification on file indicating that if the equipment is properly operated, the treated effluent will comply with the U.S. EPA effluent concentration limits for discharge to a POTW. The wastewater treatment system was operational during the site survey. No records of effluent quality were observed.

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3.1.8 Electrical Equipment/PCB

Two of the three existing power transformers contain quantities of PCB below reportable limits. The third transformer is "PCB free". A copy of the PCB analysis report of the transformers is included as Appendix L. During the site survey no visual indications of leaks were observed around the transformers.

Manifest records at the site indicate that a shipment of small capacitors, each containing less than 3 lb. of PCB liquid, was sent to Chemical Waste Management in Emelle, Al. on March, 1986. A copy of the manifest is included in Appendix B.

Law Environmental submitted a report in November 1987, on soil samples obtained from several locations between Buildings 1 and 2 which were analyzed for PCB content. The sampling activity was requested by U.S. EPA based on concerns about alleged spills of oils containing PCB. The report concluded that PCB was not present at detectable concentrations in the on-site soils tested.

3.1.9 Potential Asbestos Material

GE has indicated that non-friable materials containing asbestos were used on the ceiling of the maintenance area and in the bathrooms. During the site survey it was observed that transite was used in the roof of a small cylinder storage shed west of Building 2. The material appeared to be in good condition.

3.1.10 General Observations

The plant areas appear reasonably well maintained. In general, the manufacturing areas are clean and orderly. Inside the plant, in the compression molding area, there are oil collection pans beneath the machines. Some of the machines have pools of oil that could flow to the sewer system through building drains. It was observed, that oil spills were controlled with absorbent material.

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Between the scrap metal shed and the oil storage area, various empty 55-gallon plastic drums were observed. Mr. Jose Marques indicated that GE-Juana Diaz was waiting for the chemical supplier to pick-up these reusable drums. Behind the scrap metal building, several empty 5-gallon buckets were also observed. Some labels read EKOLASID and McGeen Rocco, Inc. These labels correspond to plating chemicals used in the electroplating process.

During the site survey it was observed that the DOT approved bag, currently being filled with F006 sludge from the filter press, is kept open and not labeled as hazardous waste. Mr. Marques indicated that the bag is labeled once it is filled completely and entered into the storage area. This filling process takes about three to four weeks to complete. During the site survey, the hazardous waste storage area was empty. The last shipment took place in June, 1989. A copy of the hazardous waste storage log is included as Appendix M.

3.2 Surrounding Area Visit

3.2.1 Potential Contamination Sources

The potential contamination sources to GE-Juana Diaz within a half-mile radius of the site are the manufacturing operations in the vicinity of the site. The circuit board operation of Westinghouse Productos Circuitos may potentially release hazardous substances to the environment. Based on the regional ground-water flow (Figure 3), it appears that a release from Westinghouse would affect the GE-Juana Diaz site. A land use map showing industries and other features located within a half-mile radius of the GE-Juana Diaz site is included as Figure 5. The facilities identified by numbers in Figure 5 are indicated below:

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- Facility No. 1 is the west lot. This is included in the list of potential off-site contamination sources because it has been separated from the GE-Juana Diaz site for this study.

- Across the street from the plant to the east is Facility No. 2, the Puerto Rico Needlecraft, Inc.

- Located immediately west of GE-Juana Diaz is facility No. 3, the former shoe company called GCI Shoe. It was recently abandoned.

- Facility No. 4 is marked as the 804th Battalion, National Guard Maintenance Company. Facility No. 5 is the Punky Mfg. Co. (boys wear manufacturing).

- Facility No. 6 is a power transmission substation. There is a PREPA storage house located in the corner of this site.

- Facility No. 7 is a cash and carry grocery store.

- Facility No. 8 is a hardware store which is located at the southern extreme of the study area.

- Facility No. 9 is San Juan City College.

- Facility No. 10 is Empacadora Tibes, Inc.

- Facility No. 11 is Bantec Supplies, Mfg.

- Facility No. 12, Industrial Dynamics, is located across the street from GCI.

- Facility No. 13 is an abandoned warehouse.

- Facility No. 14 is Westinghouse Productos Circuitos

- Located two blocks north of the GE-Juana Diaz site is Facility No. 15, an agricultural equipment repair maintenance area.

3.2.2 Identification of Receptors

Based on the regional ground-water flow, the potential receptors of contamination from the GE-Juana Diaz site are the single unit residential houses to the south and west of the site.

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4.0 REGULATORY REVIEW

4.1 CERCLIS List

There are no facilities included in the CERCLIS list within a half-mile radius of GE-Juana Diaz.

4.2 Hazardous Waste Notifiers List

The RCRA notifiers list of June 13, 1989 was reviewed. The only company listed within a half mile radius of GE property is Westinghouse Products Circuitos, Inc. This facility is classified as a generator.

4.3 National Priorities List

The GE-Juana Diaz site is included in the NPL for mercury contamination in the west lot. There is no other facility listed in the NPL located within a half-mile radius of the GE site.

4.4 FINDS Report

A copy of the Facility Index System list (FINDS) for the GE-Juana Diaz site is included as Appendix N. The FINDS Report includes permitting information addressed in this document.

4.5 Underground Storage Tanks

The underground injection control program (UIC) of the Environmental Quality Board was consulted in regard to notifiers of underground storage tanks within a half-mile radius of the GE site. There are no notifiers within that distance of GE-Juana Diaz.

4.6 Interviews

Engineer Jose Sayas, PRASA zone engineer for the Coamo/Juana Diaz area was interviewed regarding the effluent discharge from the GE-Juana Diaz plant. He indicated

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that to his knowledge there are no compliance problems related to the GE-Juana Diaz site.

Mr. William O'Neill of EQB was interviewed in regard to the regulatory compliance of GE-Juana Diaz. Mr. O'Neill indicated that a RCRA Facility Assessment (RFA) has been performed by EQB and that seven solid waste management units were identified. These SWMUs are as follows:

1. SWMU1 - Mercury contaminated landfill
2. SWMU2 - Container Storage Area No. 1 for F006 waste
3. SWMU3 - Container Storage Area No. 2 for spent oil
4. SWMU4 - Container Storage Area No. 3 for scrap metal
5. SWMU5 - Wastewater Treatment Unit No. 1 for chrome reduction
6. SWMU6 - Wastewater Treatment Unit No. 2 for Neutralization/ Chemical Precipitation
7. SWMU7 - Wastewater Treatment Unit No. 3 for Sludge Sedimentation (Sludge Setting Tank)

He indicated that several site inspections were performed by EQB in relation to the RFA. These inspections were the following:

1. A site inspection (Preliminary visit) was performed on August 12, 1988. At that time the mercury landfill (west lot) was visually inspected.

2. A site survey was conducted on December 20, 1988, to complete facility information regarding history and operation of the SWMUs and to review the facility files.

3. A site inspection was performed on December 21, 1988, to visually inspect the GE manufacturing process and the SWMUs.

On April 21, 1987, EPA requested a Part B Permit Application for the Container Storage Area. GE-Juana Diaz instead submitted a Closure Plan on May 17, 1988. The plan was revised on July 26, 1988. EQB issued the Closure Plan for Public Notice on March 11, 1989 and approved the plan in May 1989. GE-Juana Diaz has 180 days from May, 1989 to close the container storage area.

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Mr. Eileen Villafine of the EQB Superfund office provided the CERCLIS and NPL information included in Sections 4.1 and 4.3, respectively.

Mr. Jesus Santa from the EQB Air Quality Bureau indicated that Caribe GE-Juana Diaz obtained an air emission permit for four stacks about six years ago. The last renewal was obtained on July 29, 1987, and expires on July 29, 1989 (PFE-39-0786 I-O). The permit included two sand blasting machines and two ovens. EQB inspected the facility in 1987. Mr. Santa acknowledged the submittal of the renewal application.

At U.S. EPA Region II offices in New York Messrs. Richard Ramon, Steve Riva, Terval Thomas, Jim Haklar, and Ms. Sara Rosenfield were interviewed. The RFA report for GE-Juana Diaz was obtained at EPA offices through a Freedom of Information Act request. A copy of the report is included as Appendix O. Besides the seven SWMUs mentioned, the report included two areas of concern (AOC). The brass stripping area inside the electroplating area is mentioned in AOC1. The concern is related to the disposition of tin sludge. The second area of concern (AOC2) is the electroplating shop. The mentioned concern in this area is the "leaking lines and corroded tanks". We were informed at the office of Mr. Angel Chang, director of the Caribbean Section of U.S. EPA Region II, that the RFA report has not been issued to GE-Juana Diaz because the report is in draft form and subject to revision.

The U.S. EPA Region II Master File Listing, the Compliance Log, and the Permit Development Status for GE-Juana Diaz, were reviewed. Copies of these documents are included in Appendix P. Several violations were noted in 1984, 1986, 1987, and 1988, related to TSD and financial documentation. These violations were noted in the

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documents as resolved. The latest inspection of the site was logged on September 20, 1988. This inspection was related to the Solid Waste Management Units.

4.7 Status of Waste Disposal Facilities

The off-site facilities utilized by GE-Juana Diaz to dispose of its waste are the following:

1. Servicios Carbareon, Penuelas, PR
2. Chemical Waste Management Inc., Emelle, AL
3. Browning Ferris Industries, Inc., Livingstone, LA
4. WRC Processing Company, Pottsville, PA
5. WRC Processing Company, Phoenix, AZ
6. Safety Kleen Inc., Manati, PR

The current status of these facilities is as follows:

1. Servicios Carbareon - Operating under interim status as storage facility. Interim status as a landfill revoked by EQB. Operating under Clean-up compliance order by U.S. EPA.
2. Chemical Waste Management - Operating under State of Alabama interim status. This has preempted the U.S. EPA to issue a Part B RCRA Permit. Mr. Allen Farmer of U.S. EPA Region IV indicated that there is no unresolved order against CWM in U.S. EPA files.
3. Browning Ferris Industries - Merged with CECOS International. Operating under U.S. EPA interim status as a disposal facility. Mr. Mike Vera of U.S. EPA Region VI indicated that any information regarding CECOS has to be obtained through the Freedom of Information Officer. Ms. Kelly Gingles of the State of Louisiana indicated, however, that there are no unresolved orders against BFI/CECOS, Livingstone facility on file.
4. WRC Processing Facilities in Pottsville, PA and Phoenix, AZ. - Reclamation Facilities.

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5. Safety Kleen Inc. - Operating under interim status as a solvent reclamation facility. The Part B Permit Application was submitted and a notice of completeness is on their files as of 1984. Pending issuance of the Part B permit by U.S. EPA.

5.0 POTENTIAL ENVIRONMENTAL ISSUES

The potential environmental issues resulting from the site survey and the regulatory review are summarized in this section. The items included are both regulatory and operational. Specific information on all items discussed below has been reported in previous sections of this document.

5.1 On-Site Environmental Issues

GE-Juana Diaz is currently in the process of reclassification from a TSD (Storage) facility to a "Generator only" by means of closure of the container storage area. The storage facility will continue to be used as a less than 90-day storage area.

Plant management has acknowledged the past use of materials containing chrome for cooling water operations. There is a potential for the existence of chrome residuals in the old cooling water concrete tank behind Building 2.

Age and the nature of chemicals used in the underground concrete tank of the original waste water treatment system are relevant factors for the potential migration of metal constituents into the ground. This tank is no longer in operation and is in the process of being decommissioned. Since a vapor degreaser was reportedly been used in the electroplating process, there is also a potential for a release of organic constituents from the underground tank.

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Two of the three existing power transformers at the site contain PCB at concentrations below regulatory reportable quantities. The third is a non-PCB transformer. One of the two PCB-containing transformers has been moved to a new location within the premises. Although there is no visual evidence of leaks, there is a potential for the existence of PCB-contaminated soils around the transformer areas.

Based on information received during our site survey, there were no decontamination activities performed at the former mercury operation area in Building 2 when the mercury button operation was phased out. Button shells were observed in several joints of the concrete floor inside the building, outside the building in the road area between the maintenance room and the power transformers, and in the scrap equipment storage area at the southwest corner of Building 2. There is a potential for the existence of mercury in these areas.

The air emission regulations of PR include limitations for daily emissions of particulate matter and daily and hourly emissions of volatile organics. No air monitoring records exist at the site.

Available information indicates the existence of an underground tank in the area of the old cooling tower concrete tank behind Building 2. There is a possibility that the tank may have been used to store fuel oil for a boiler that was located in that area.

Unconfirmed information indicates that a metal shed existed outside of and to the south of Building 2 in which water with traces of mercury was evaporated to reclaim the mercury. The location of the shed could not be verified based on interviews with existing and former plant personnel.

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5.2 Off-Site Environmental Issues

By disposing electroplating sludge (F006) at Servicios Carbareon facility in Penuelas, PR from 1971 to 1979, GE-Juana Diaz may become a potential responsible party (PRP) if a cleanup order is issued to Servicios Carbareon by the U.S. EPA. The future status of this facility is uncertain. Carbareon currently has interim status as a storage facility and is under a compliance order by U.S. EPA for clean-up. The government of Puerto Rico is backing up Carbareon's efforts to comply with applicable regulations because it is currently the only facility on the Island with a possibility of becoming a permitted hazardous waste disposal facility.

The west lot (Superfund Site) has not been part of this investigation. Therefore it becomes an off-site environmental issue to the joint venture. Law Environmental Inc. prepared a Remedial Investigation/Feasibility Study of the area by CERCLA regulations and the current Administrative Order on Consent between GE and EPA. It is our understanding that public hearings have been conducted in Juana Diaz regarding the U.S. EPA selected alternative for remediation of the site. It is also our understanding that GE is currently negotiating with U.S. EPA relative to selecting a remediation alternative.

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6.0 REFERENCES

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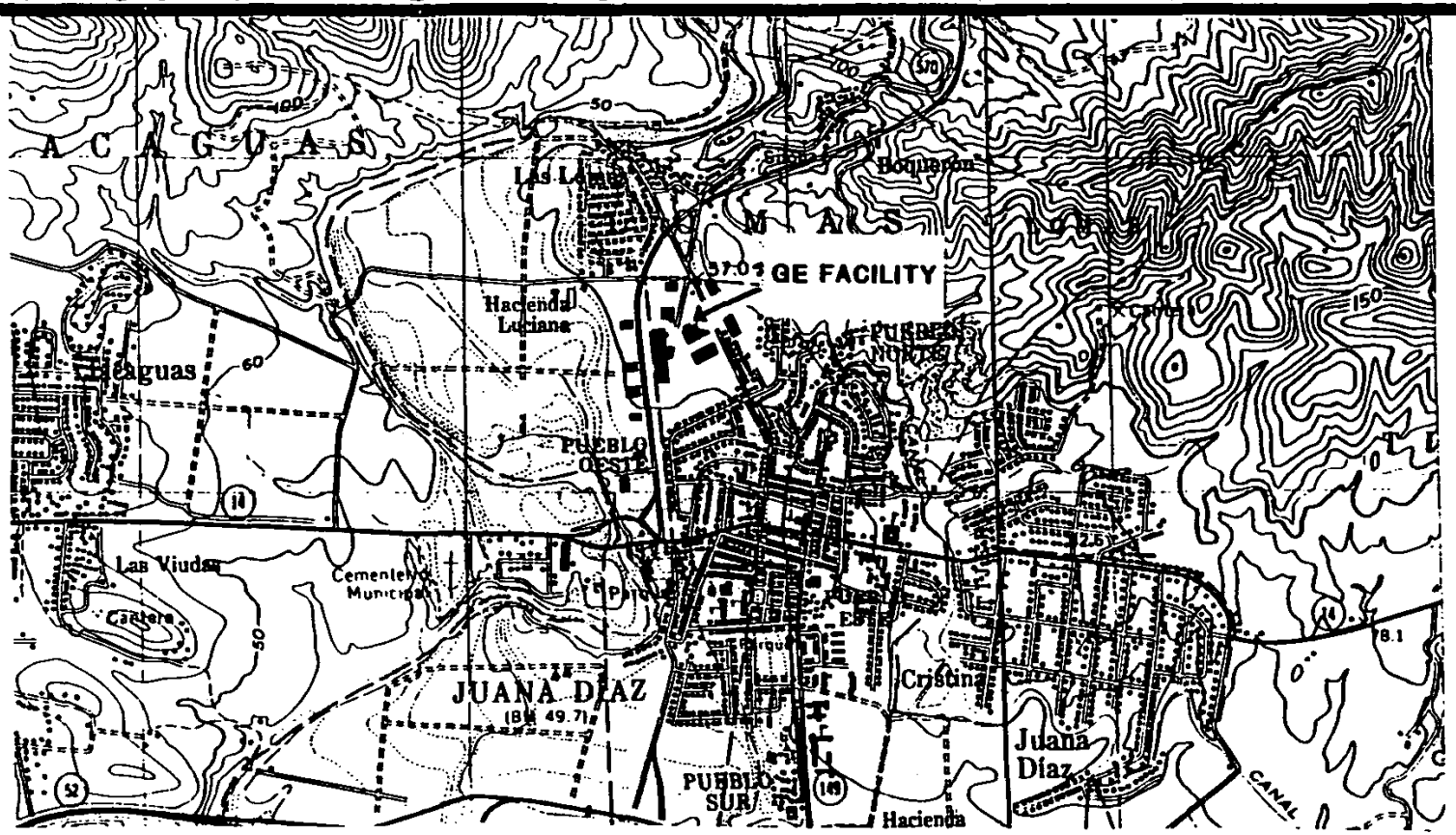
GE_CARIBE000506

FIGURES

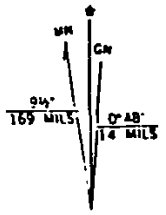


SCALE 1:20000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER



UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CONTOUR INTERVAL 10 METERS
DASHED LINES REPRESENT 5-METER CONTOURS
DOTTED LINES REPRESENT 1-METER CONTOURS
DATUM IS MEAN SEA LEVEL

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF PONCE AND DESCALABRADO QUADS, PUERTO RICO (PHOTO-REVISED 1982)

CARIBE GENERAL ELECTRIC PRODUCTS, INC.

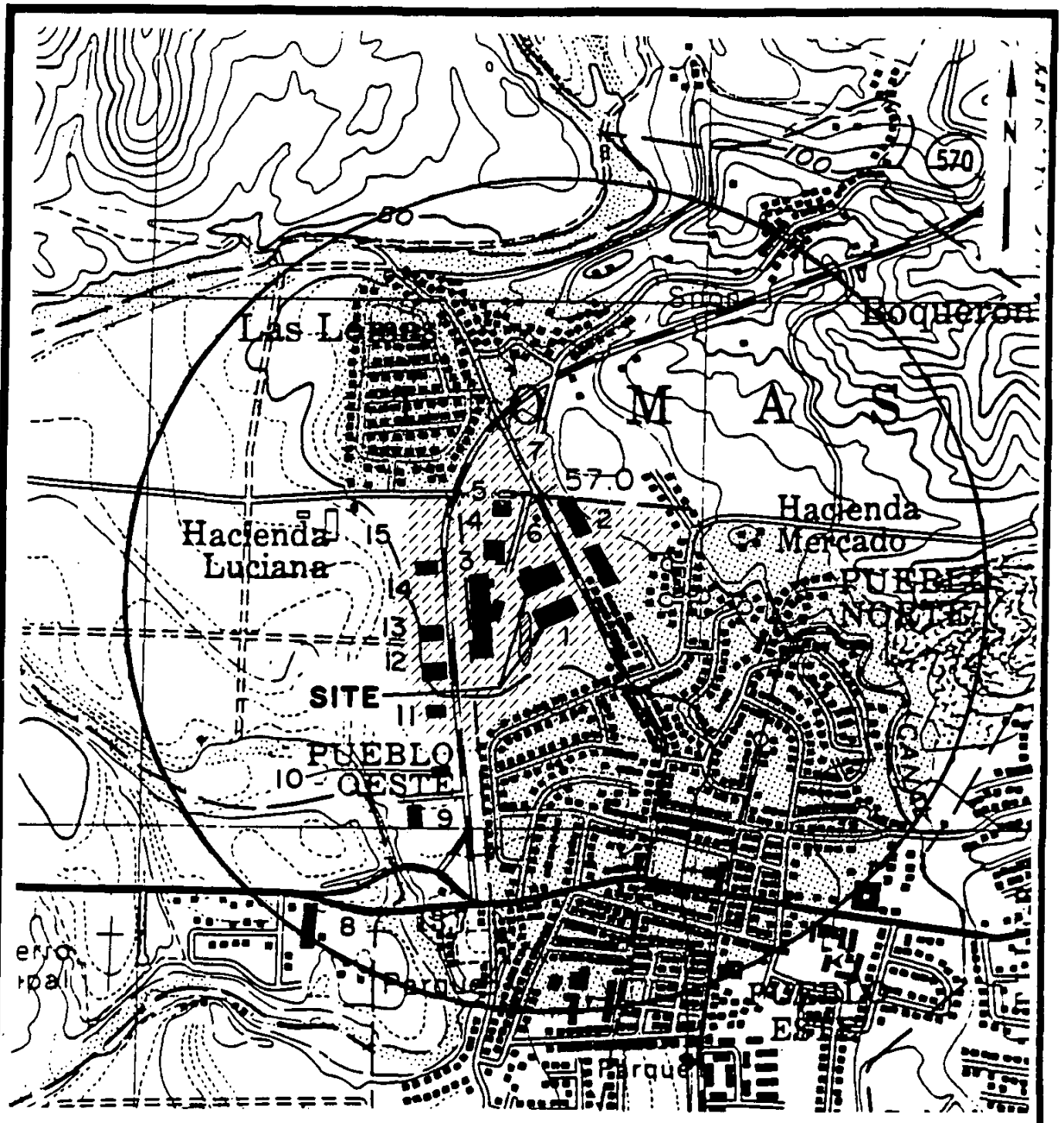
JUANA DIAZ, PUERTO RICO

LAW ENVIRONMENTAL INC.

SITE LOCATION MAP

JOB NO. 57-9611

FIGURE 1



NOTE: THE NUMBERS IN THE FIGURE REFER TO THE FACILITIES LISTED ON SECTION 3.2.1. OF THE REPORT

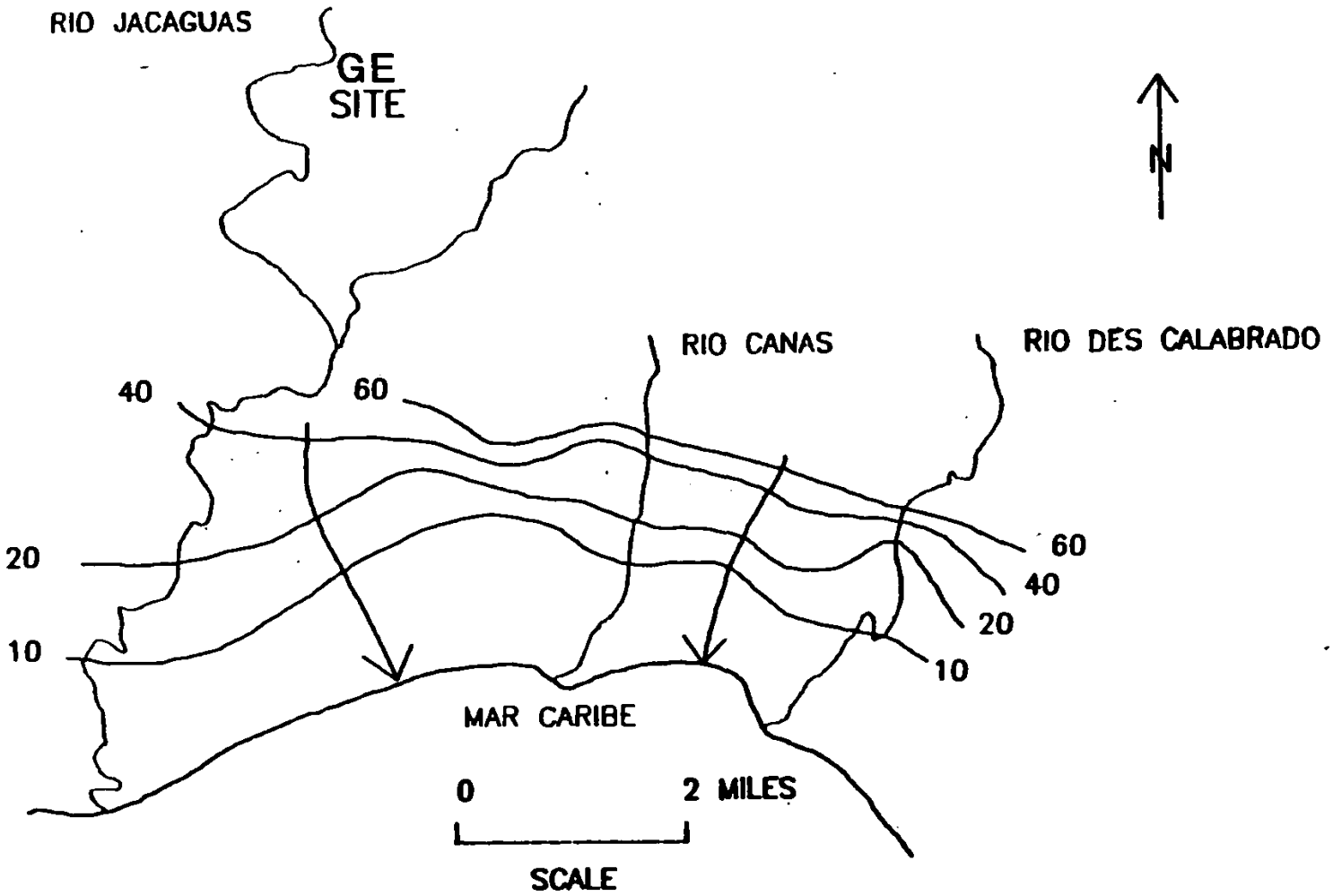
LEGEND

- RESIDENTIAL
- COMMERCIAL/INDUSTRIAL
- UNDEVELOPED

0 1000
APPROXIMATE SCALE IN FEET

SOURCE: USGS TOPOGRAPHIC MAP OF PONCE QUAD (PHOTOREVISED 1982)

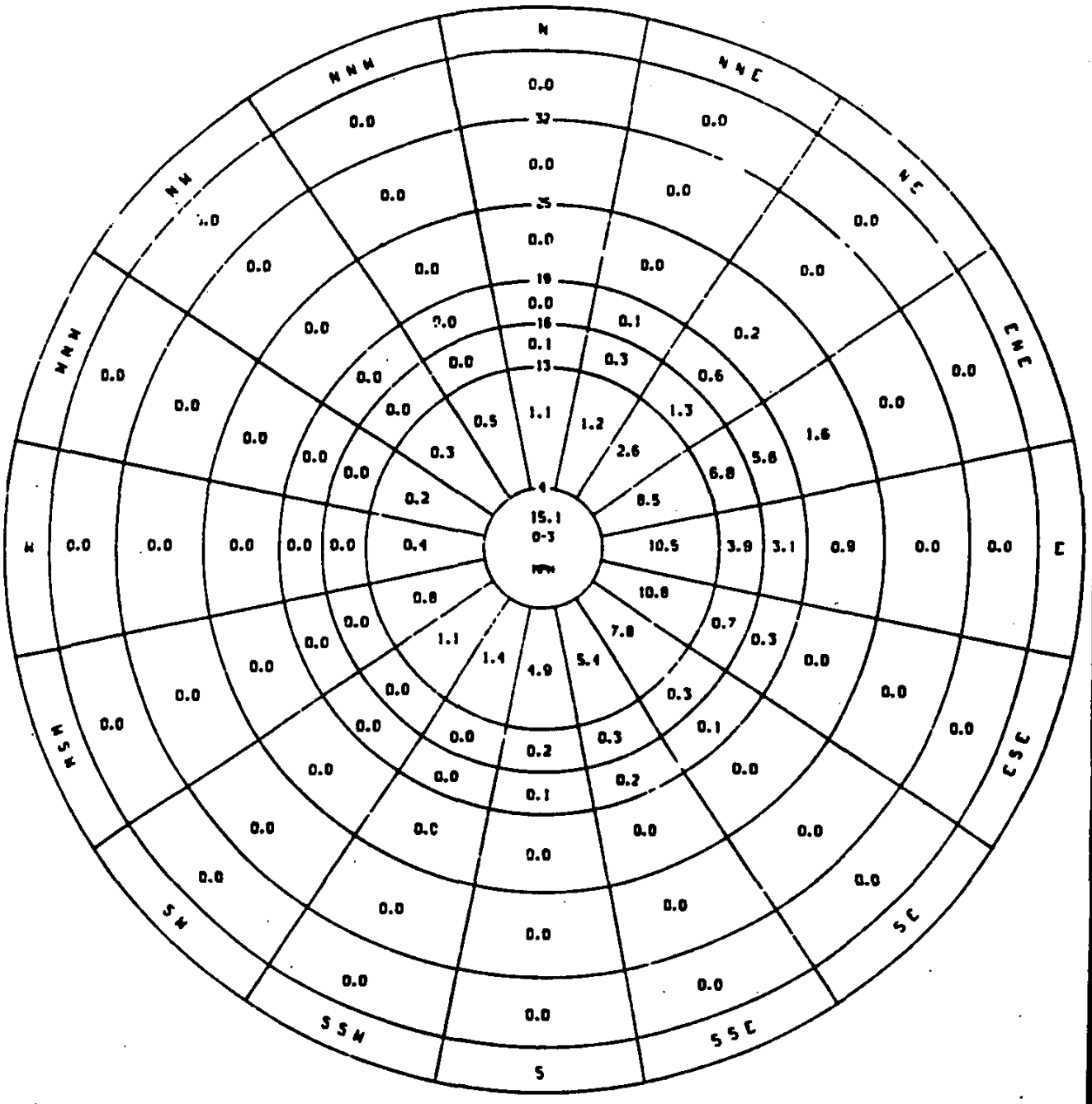
CARIBE GENERAL ELECTRIC PRODUCTS, INC. JUANA DIAZ, PUERTO RICO	LAW ENVIRONMENTAL INC.	LAND USE MAP JOB NO. 57-9611 FIGURE 2



SOURCE: LAW ENVIRONMENTAL REMEDIAL INVESTIGATION REPORT

CARIBE GENERAL ELECTRIC PRODUCTS, INC. JUANA DIAZ, PURTO RICO	LAW ENVIRONMENTAL INC.	GROUND WATER FLOW IN ALLUVIAL AQUIFER JOB NO. 57-9611 FIGURE 3

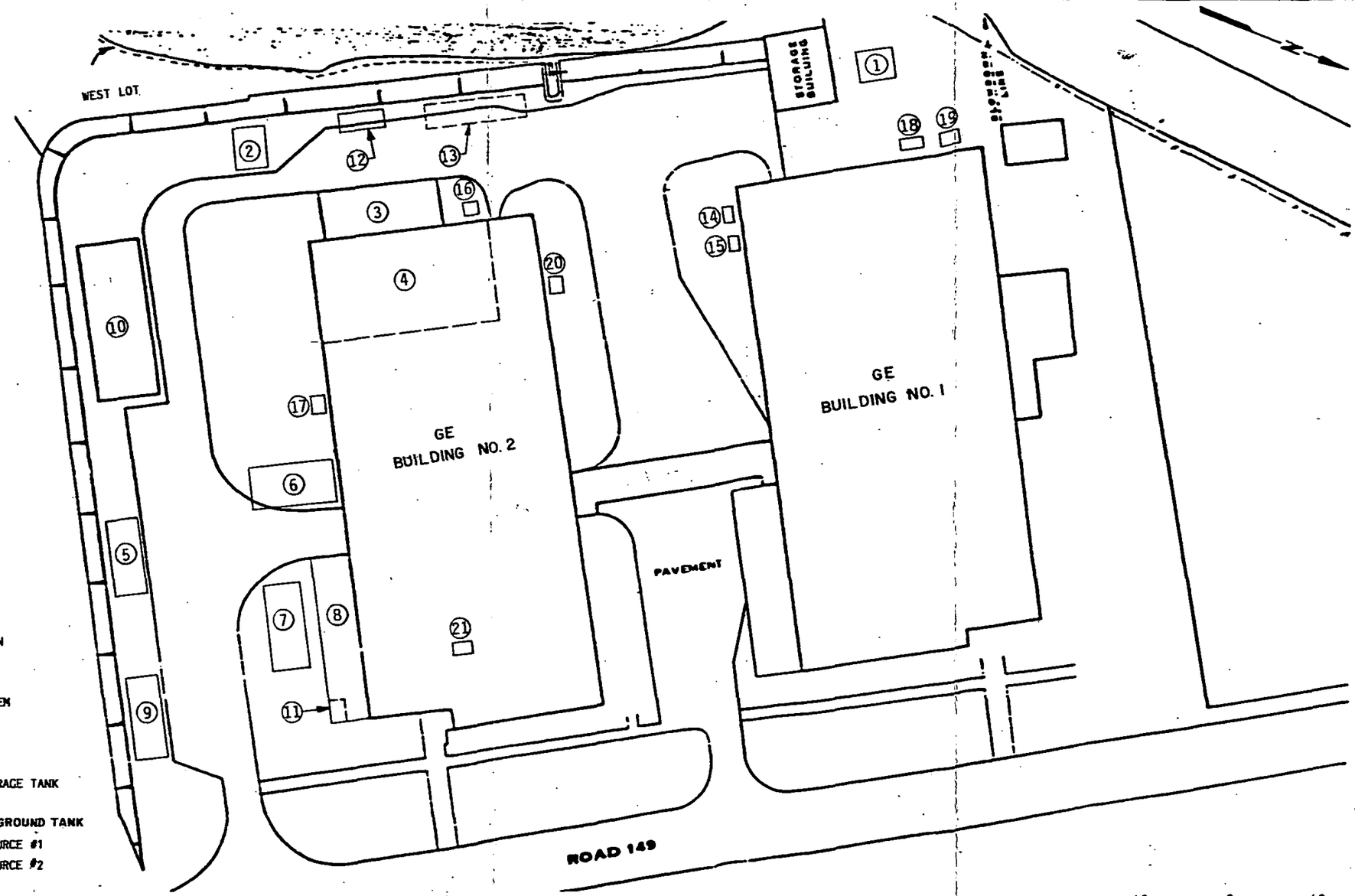
AF 47263A



WIND STATION: SAN JUAN INTERNATIONAL AIRPORT
DATA: 1956 TO 1978
SOURCE: NATIONAL CLIMATIC CENTER
ASHEVILLE, NC

CARIBE GENERAL ELECTRIC PRODUCTS, INC. JUANA DIAZ, PURTO RICO	LAW ENVIRONMENTAL INC.	WIND ROSE DIAGRAM JOB NO. 57-9611 FIGURE 4

AF 47263D



LEGEND

1 - TRANSFORMER NO. 1
2 - TRANSFORMERS NO. 2 AND NO. 3
3 - MAINTENANCE SHOP
4 - FORMER MERCURY BUTTON OPERATION
5 - OIL STORAGE SHED
6 - NEW RAW MATERIAL STORAGE
7 - NEW WASTE WATER TREATMENT SYSTEM
8 - PLATING AREA
9 - SCRAP METAL SHED
10 - HAZARDOUS WASTE STORAGE SHED
11 - UNDERGROUND CONCRETE BLOCK STORAGE TANK
12 - CONCRETE COOLING TOWER TANK
13 - FORMER BOILER AREA WITH UNDERGROUND TANK
14 - OLD WHEELABRATOR- EMISSION SOURCE #1
15 - OLD WHEELABRATOR- EMISSION SOURCE #2
16 - OVEN - EMISSION SOURCE #3
17 - OVEN - EMISSION SOURCE #4
18 - NEW WHEELABRATOR- EMISSION SOURCE #5
19 - NEW WHEELABRATOR- EMISSION SOURCE #6
20 - EXHAUST - EMISSION SOURCE #7
21 - OIL MIST EXHAUST - EMISSION SOURCE #8

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ, PUERTO RICO

LAW ENVIRONMENTAL INC.

LAYOUT OF PLANT AREAS

JOB NO. 57-9611

FIGURE 5

APPENDIX A

HAZARDOUS MATERIALS USED AT GE-JUANA DIAZ

FAX 203-799-4333

MR. JOHN MULVIHILL
HUBBELL CORPORATE

John,

THIS IS THE LIST OF ALL THE PRODUCTS THAT WE USE.

PLEASE LET ME KNOW THE MSDS's THAT YOU WANT.

MY FAX NO. IS.: 809-837-3230
7 PAGES TO FOLLOW

Thank you

Joe Allanguez

FEB 6 1989

CC: ROY RODRIGUEZ
GE-WARWICK

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
DE-SCALER	COMPRESSORS	915454-01
NP 40-L ALGAECIDE	COMPRESSORS	9342
1300-20-LCOMPRESSORS	COMPRESSORS	9257
DELVAC 1220-	COMPRESSORS	440669
KEROSENE	MAINTENANCE	KER-01
ACETYLENE	MAINTENANCE	ACT-1
SPEEDY - DRI	MAINTENANCE	WD3036
SURE GRIP	MAINTENANCE	SG
MR. TRIPLE ZERO	MAINTENANCE	3576
DYLEK	MAINTENANCE	DYLEK
WIRE LUBE	MAINTENANCE	LUBE
FLOOR PATCH-RESIN	MAINTENANCE	PATCH
FLOOR PATCH- HARDENER	MAINTENANCE	HARD
XUPER 1020XFC - BRAZING ROD	MAINTENANCE	B012
TIG WELDING ROD	MAINTENANCE	TQ20
XUPER 18XFC - BRAZING ROD	MAINTENANCE	BE15

NOV 18 1987

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
XL-99	CENTRAL PACK	JD-43
PRINTING INK	CENTRAL PACK	INK
SPRAY ADHESIVE	CENTRAL PACK	CA-6
LOCTITE 414	ASSEMBLY	JD-80
WD-40	ASSEMBLY	1030
SILICONE-GE	ASSEMBLY	108
FILLING COMPOUND #5920	ASSEMBLY	RAN5
ENERGIZED ROSIN CORE SOLDER	ASSEMBLY	SOLDER
ISOPROPIL ALCOHOL	DISPENSARY	324
XEROX DUPLICATING TONER	OFFICE	1028

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
MAGNUS MAGNU DRAW 10	PRESSES	JD-6
MAGNUS DO-5	PRESSES-	JD-7
RED BRASS	PRESSES	I-05
VANISHING OIL	PRESSES	VANISH
COPPER STRIP	PRESSES/QC	T112285
BRASS STRIP	PRESSES/QC	CN1
GREASE EP NO. 1	PRESSES	G-1
GREASE EP NO. 0	PRESSES	G-0
CONTACT BRONZE	PRESSES	CB-01
HIGH CARBON STEEL	PRESSES	HCS
STEEL-GARD 20MX-2	PRESSES	MX-2
GULFCUT 41B	PRESSES	CUT41B
GULFCUT 44 A	PRESSES	CUT44A
KLENZE GLIDE 67-LUBRICANT	PRESSES	GLIDE
GULF PARAMOUNT 100	PRESSES	PARA
ELECTROLYTIC TOUGH PITCH	PRESSES	CDA 110
RED BRASS 85%	PRESSES	CDA 230
CARTRIDGE BRASS 70%	PRESSES	CDA 260

DEC 20 1988

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
STEP-TWO RUST PREVENTIVE	MOLDING	R-912
GLASTHERM HT	MOLDING	GLAST
MELAMINE MOLDING COMPOUND	MOLDING	WD2049
POLYPROPYLENE MOLDING COMPOUND	MOLDING	WD2053
LEXAN	MOLDING	PBG-111-L-2
NORYL	MOLDING	PBG-11-N-3
MOBIL AW68-OIL DTE-26	MOLDING	602649
POLYMAN 508 PVC	MOLDING	P-08
POLYMAN 509 PVC	MOLDING	P-09
POLYMAN 510 PVC	MOLDING	P-10
POLYMAN 526 PVC	MOLDING	P-26
UREA MOLDING COMPOUND -CARMEL	MOLDING	UREA
NYLON MOLDING COMPOUND	MOLDING	ZYTO16
VALOX MOLDING COMPUND	MOLDING	PBG-111-V-2-
ETHYLENE GLYCOL COOLANT	MOLDING	ETGL
CLEAN COAT MOLD PROTECTOR	MOLDING	G-316
UREA-PMC-A50JK20P07	MOLDING	20P07
UREA-PMC-A50JK12A1P07	MOLDING	12A1P07
UREA-PMC-A50JK12B1P07	MOLDING	12B1P07
UREA-PMC-A50JK12B1P02	MOLDING	12B1P02

RECEIVED
MAR - 3 1987
G.E. CO. JUANA DIAZ

01/04/80

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
DYKEM BLUE DX-100	TOOL ROOM	DX-100
DYKEM RED DX-296	TOOL ROOM	DX-296
DYKEM NO. 107	TOOL ROOM	NO. 107
ETHYL ALCOHOL	TOOL ROOM	361
AGETENE	TOOL ROOM	WD2000
PROPANE	TOOL ROOM	LPG
45-CD-1 CLEANER DEGREASER DG1	TOOL ROOM	45CD1
46-TB-2 TOOL BLACK	TOOL ROOM	46TB2
47-P-3 PREVENT	TOOL ROOM	47P3
JEMS 1	TOOL ROOM	JEMS-1
JEMS 1c	TOOL ROOM	JEMS-1C
OAKITE FORMULA 59	BODINES	OF-59
MAGNUS SPRAY NO. 205	RANSOHOFF	916387
BATTERY FLUID	MATERIALS	GBC-1

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
EKOLASID 355 MAKE UP	PLATING	EKO-5
EKOLASID 356	PLATING	EKO-6
MAGNUS BRIGHT DIP S-	PLATING	JD-9
MAGNUS 800-X	PLATING	JD-10
ALKALOX 89	PLATING	ALKA
METEX NICKEL BRIGHTENER #30	PLATING	18130
MAGNUS 26-N	PLATING	JD-19
METEX NICKEL BRIGHTENER #14	PLATING	18114
METEX NICKEL BRIGHTENER #33	PLATING	18133
QUATRASID	PLATING	QUAT
MICROPOLISH 5 F	PLATING	18652
SODIUM HYDROXIDE	PLATING	3
BORIC ACID	PLATING	4
RONASTRIP 37	PLATING	RONA
SULFURIC ACID	PLATING	9
STANNOUS SULFATE	PLATING	14
HYDROCHLORIC ACID	PLATING	30-A
NICKEL SULFATE	PLATING	WD200
ZINC BALL ANODES	PLATING	WD202
CUMAC F	PLATING	CUMA
POTASSIUM CHLROIDE	PLATING	KCL
CUMAC F-MT	PLATING	CUMA-1
ACTIVATED CHARCOAL	PLATING	CARB
NICKEL PURIFIER	PLATING	18190
PTH ADDITIVE	PLATING	PTH
PICTAX	PLATING	PTAX
SODIUM METABIFULFITE	PLATING	WD209
TIN ANODE	PLATING	TB-1
NICKEL ANODE	PLATING	NIK
COPPER ANODE	PLATING	COAN
PROTECTIVE OIL	PLATING	OSPO
Z-242	PLATING	EBZ-242
MACRO COLOR 153	PLATING	18673
KENVERT NO 170-S	PLATING	10619
ZINC CHLORIDE	PLATING	ZNCL
HYDROGEN PEROXIDE	PLATING	HYPER
WETTING AGENT #12-A	PLATING	18112
COPPER GLEAM	PLATING	GLEAM
CONTACT TIN #1	PLATING	13301
CONTACT TIN #2	PLATING	13302
ROTO-BRITE XL-309	PLATING	XL-309
ROTO-BRITE L-326	PLATING	L-326
SODIUM CHLORIDE	PLATING	NaCL
ALUMINUM SULFATE	PLATING	Alum

DEC 23 1988

APPENDIX B

MANIFEST COPIES

SHIPMENT OF HAZARDOUS WASTES

[X] SLUDGE

[ ] SPENT MATERIALS

[ ] SPENT OIL

DATE SHIPPED ---------- 01/10/89

MANIFEST DOCUMENT NO. --------- 89001

TSD FACILITY ------ ---------- World Resources Company
(Recycling Facility)
8113 West Sherman
Phoenix, AZ 85043

Environmental Quality Board

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD

P.O. Box 11488, Santurce, Puerto Rico 00910

8

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. PRD090282757 Manifest Document No. 89001

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
General Electric Company (GE)
P.O. Box AE, Juana Diaz, Puerto Rico 00665

4. Generator's Phone (809) 837-2500

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Juan E. Hernandez, Inc. (HERNANDEZ)
6. US EPA ID Number: PRD090220732

C. State Transporter's ID

D. Transporter's Phone: 809/881-1266

7. Transporter 2 Company Name: Trailer Marine Transport (TMT)
8. US EPA ID Number: PRD090530360

E. State Transporter's ID

F. Transporter's Phone: 809/721-1313

9. Designated Facility Name and Site Address: World Resources Company (Recycling Facility) (WRC)
3113 West Sherman
Phoenix, AZ 85041
10. US EPA ID Number: AZD990723500

G. State Facility's ID

H. Facility's Phone: 602/233-9174

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ, Hazardous Waste, Solid, N.O.S., ORM-B, H.A.-9189 (F006)	010	DH	550	G	F006
b.					
c.					
d.					

14. Additional Descriptions for Materials Listed Above
Metal Hydroxide Electroplating Sludge

K. Handling Codes for Wastes Listed Above
T23/T28/T50/T18-Drying

15. Special Handling Instructions and Additional Information
REAS240356

Special Handling Instructions and Additional Information. In case of spill: chemical resistant clothing and gloves should be worn, in addition to respirators masks capable of handling organic materials, safety glasses, goggles and any other safety equipment considered necessary to prevent direct contact with the materials included in the drums. In case of individual injuries: rest, remove contaminated clothes, immediately flush eyes with running water and wash skin with soap and plenty of water. If possible, transport to a Hospital; if not, call Emergency Medical Care.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Stephen Brown Signature: Stephen Brown Month Day Year: 01 10 89

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Gilberto Martinez Signature: Gilberto Martinez Month Day Year: 01 10 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Robert A. Hulich Signature: Month Day Year:

SHIPMENT OF HAZARDOUS WASTES

- [x] SLUDGE
- [ ] SPENT MATERIALS
- [ ] SPENT OIL

DATE SHIPPED ---------- 03-02-88

MANIFEST DOCUMENT NO. --------- 03501

TSD FACILITY ------ ---------- WRC Processing Co.
RD #1 Box 1053
Pottsville, Pa. 17901

MANIFEST RECEIVED ON

23 MARCH 1988

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)
Form Approved. OMB No 2050-0039 Expires 9-30-88

SWM-51 REV 10 86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. PRD090282757 — Manifest Document No 08801
2. Page 1 of 2 — Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address: General Electric Company
P.O. Box AE, Carretera #149, Km. 67.2
Juana Diaz, Puerto Rico 00665 (GE)

A. State Manifest Document Number: PAB 4849051

B. State Gen. ID:

4. Generator's Phone (809) 837-2500

5. Transporter 1 Company Name: Juan E. Hernandez, Inc. (Hernandez)
6. US EPA ID Number: PRD090220732

C. State Trans. ID: PA-AH

7. Transporter 2 Company Name: Trailer Marine Transport (TMT)
8. US EPA ID Number: PRD090559360

D. Transporter's Phone (809) 881-1266

E. State Trans. ID: PA-AH

9. Designated Facility Name and Site Address: WRC Processing Company (Recycling Facility) (WRCP)
RD # 1, Box 1053
Pottsville, PA 17901
10. US EPA ID Number: PAD981038227

F. Transporter's Phone (809) 721-1313

G. State Facility's ID: Not Required

H. Facility's Phone (717) 622-4747

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Hazardous Waste, Liquid, N.O.S. ORME-E, N.A.-9189 (F006).	001	TT	5000	G	F006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)

	Haz. Code	Physical State		Haz. Code	Physical State
a.			c.		
b.			d.		

K. Handling Codes for Wastes Listed Above: T23/T59/T50 a. T18 Drying c. b. d.

15. Special Handling Instructions and Additional Information

TMT Trailer # XTRC-52153 TANK # 735021-0

METAL HYDROXIDE ELECTROPLATING SLUDGE

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
GE Representative/ Jose Marques	Jose Marques	03	02	88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
HERNANDEZ Representative/ Gilberto Martinez	Gilberto Martinez	03	02	88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
TMT Representative/ Mickey Talavera	[signature]	03	02	88

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
WRCP Representative/Steven W. Koop	[signature]	03	15	88

PAB 4849051

GE_CARIBE000525

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Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST
(Continuation Sheet)

21 Generator's US EPA ID No: P R D 0 9 0 2 8 2 7 5 7

Manifest Document No: 08801

22 Page 2 of 2

Information in the shaded areas is not required by Federal law

23 Generator's Name
General Electric Company (GE)
P.O. Box AE, Carretera #149, Km. 67.2
Juana Diaz, Puerto Rico 00665 809/837-2500

L State Manifest Document Number: PAR 4849051

M State Generator's ID

24 Transporter 1 Company Name: John Pfrommer Incorporated (Pfrommer)

25 US EPA ID Number: PAD 008781072

N State Transporter's ID: PA-AE-0042

O Transporter's Phone: 215/385-3051

26 Transporter ____ Company Name

27 US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No.	Type	30 Total Quantity	31 Unit Wt./Vol.	R Waste No
a RQ, Hazardous Waste, Liquid, N.O.S. ORMK-E, N.A.-9189 (F006)	001	TT	5000	G	F 0 0 6
b					
c.					
d.					
e.					
f.					
g					
h					
i					

GENERATOR

S. Additional Descriptions for Materials Listed Above
Metal Hydroxide Electroplating Sludge

T. Handling Codes for Wastes Listed Above
T23/T59/T30/T18-Drying

32 Special Handling Instructions and Additional Information
TMT Trailer # XTRC-52153 TANK # 735021-0

TRANSPORTER

33 Transporter ____ Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: Bob Kocher — Signature: Bob Kocher — Month/Day/Year: 03 15 88
Pfrommer Representative/

34 Transporter ____ Acknowledgement of Receipt of Materials — Date
Printed/Typed Name — Signature — Month/Day/Year

FACILITY

35. Discrepancy Indication Space

SHIPMENT OF HAZARDOUS WASTES

- [x] SLUDGE
- [ ] SPENT MATERIALS
- [ ] SPENT OIL

DATE SHIPPED ---------- 05-05-87

MANIFEST DOCUMENT NO. --------- 00005

TSD FACILITY ------ ---------- CECOS INTERNATIONAL
LIVINGSTON FACILITY
LIVINGSTON, LOUISIANA

COMPLETE

MANIFEST RELEASED FROM
LIVINGSTON ON.
12 JUN 87

Environmental Quality Board

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD

P.O. Box 11488, Santurce, Puerto Rico 00910

1

Please print or type (Form designed for use on elite (12-pitch) typewriter) Form Approved OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: PRD090282757 Manifest Document No: 00005

3 Generator's Name and Mailing Address
CARIBE GENERAL ELECTRIC PRODUCTS, INC.
P.O. BOX AE, JUANA DIAZ, PUERTO RICO 00665

4 Generator's Phone (809) 837-2500

5 Transporter 1 Company Name: COMPAÑIA PONCEÑA DE TRANSPORTE
6. US EPA ID Number: PRD980526362

7 Transporter 2 Company Name: TRAILER MARINE TRANSPORT (TMT)
8 US EPA ID Number: PRD090559360

9 Designated Facility Name and Site Address
CECOS INTERNATIONAL I-12
HIGHWAY 63
LIVINGSTON, LOUISIANA 70754
10. US EPA ID Number: LAD000618298

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Hazardous Waste, Liquid NOS ORM-E NA-9189	001	TT	5000	G	[illegible]
b.					
c.					
d.					

'87 MAY -5 AM 10:35

J. Additional Descriptions for Materials Listed Above
a. Electroplating Sludge

K. Handling Codes for Wastes Listed Above
D-80

15. Special Handling Instructions and Additional Information
PO 515-05-901 Work Order 188982
Tank No. DCIU-736050

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JOSE A. MARQUES Signature: Jose A Marques Month Day Year: 05 05 87

17 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BENITO RODRIGUEZ Signature: Benito Rodriguez Month Day Year: 05 05 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Mickey Talavera Signature: [signature] Month Day Year: 05 05 87

19. Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Signature Month Day Year

GENERATOR / TRANSPORTER / FACILITY

Please print or type (Form designed for use on elite (12 pitch) typewriter.) Form Approved. OMB No. [illegible]

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*	21 Generator's US EPA ID No: PRD090282757	Manifest Document No: 00005	22 Page: 2 of 2	Information in the shaded areas is not required by Federal law

23. Generator's Name
CARIBE GENERAL ELECTRIC PRODUCTS, INC.
P.O. BOX AE, JUANA DIAZ, PUERTO RICO 00665
809-837-2500

L. State Manifest Document Number

M. State Generator's ID

24. Transporter 3 Company Name: ~~GEGOS INTERNATIONAL~~ VOID
25. US EPA ID Number: ~~ILAD000618298~~

N. State Transporter's ID

O. Transporter's Phone: ~~504-686-0122~~

26. Transporter 3 Company Name: RYDER RANGER
27. US EPA ID Number: IFLD 007922578

P. State Transporter's ID

Q. Transporter's Phone: 318-436-8670

28. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	29. Containers No.	Type	30. Total Quantity	31. Unit Wt./Vol.	R. Waste No.
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					

GENERATOR

S. Additional Descriptions for Materials Listed Above

T. Handling Codes for Wastes Listed Above

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

34. Transporter 3 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
WILLIS PAUL FUSILIER	Willis Paul Fusilier	6 1 87

FACILITY

35. Discrepancy Indication Space

SHIPMENT OF HAZARDOUS WASTES

- [x] SLUDGE
- [ ] SPENT MATERIALS
- [ ] SPENT OIL

DATE SHIPPED ---------- 6-17-87

MANIFEST DOCUMENT NO. --------- 37004

TSD FACILITY ------ ---------- EMELLE, ALABAMA CHEMICAL WASTE MANAGEMENT

COMPLETED

Manifest received from Emelle, Alabama on 12 August 1987

Environmental Quality Board

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD

P.O. Box 11488, Santurce, Puerto Rico 00910

2

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: PRD090282757 — Manifest Document No.: 87004

3. Generator's Name and Mailing Address:
CARIBE GENERAL ELECTRIC PRODUCTS
APARTADO AE, JUANA DIAZ, PUERTO RICO 00665

4. Generator's Phone (809) 837-2500

5. Transporter 1 Company Name: ASHLAND CHEMICAL COMPANY — 6. US EPA ID Number: PRD000706291

7. Transporter 2 Company Name: NAVIERAS DE PUERTO RICO — 8. US EPA ID Number: PRD000706810

9. Designated Facility Name and Site Address:
Chemical Waste Management
Highway 17 at Mile Marker 163
Emelle Alabama 35459

10. US EPA ID Number: ALD000622464

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	[illegible]
a. WASTE HAZARDOUS LIQUID NOS ORM-E NA 9189 Ash-61-2253	14	Dm	770	GAL	[illegible]
b.					
c.					
d.					

[illegible] Codes for Wastes Listed Above: A. D81

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Jose A. Marques	Jose A Marques	06 17 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Eduardo López Reyes	Eduardo López Reyes	06 17 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
ARMENGOL HERNANDEZ	Armengol Hernández	06 26 87

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Scott Evans	Scott Evans	07 15 87

GENERATOR — TRANSPORTER — FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST
(Continuation Sheet)

21. Generator's US EPA ID No. P R D 0 9 0 2 8 2 7 5 7

Manifest Document No. 8 7 0 0 4

22. Page 2 of 2

Information in the shaded areas is not required by Federal law.

23. Generator's Name
CARIBE GENERAL ELECTRIC PRODUCTS INC.
APARTADO AE, JUANA DIAZ, PUERTO RICO 00665

L. State Manifest Document Number CPMA- 350434

M. State Generator's ID

24. Transporter 3 Company Name TRI-STATE MOTOR TRANSIT

25. US EPA ID Number M O D 0 9 5 0 3 8 9 9 8

N. State Transporter's ID

O. Transporter's Phone 417-624-3131

26. Transporter ___ Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

GENERATOR

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No	Type	30 Total Quantity	31 Unit Wt/Vol	R Waste No
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					

S. Additional Descriptions for Materials Listed Above

T. Handling Codes for Wastes Listed Above

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter ___ Acknowledgement of Receipt of Materials

Printed/Typed Name: MAX BUSLER

Signature: Max Busler

Date: Month 7 Day 13 Year 87

34. Transporter ___ Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FA

35. Discrepancy Indication Space

SHIPMENT OF HAZARDOUS WASTES

- [ ] SLUDGE
- [x] SPENT MATERIALS
- [ ] SPENT OIL

DATE SHIPPED ---------- 11-13-86

MANIFEST DOCUMENT NO. --------- 0003

TSD FACILITY ------ ---------- CHEMICAL WASTE MANAGEMENT, EMELLE, ALABAMA

COMPLETE

MANIFEST RECEIVED FROM EMELLE ON:

2 FEB 1987

REVISED 12-23-86
SYNC. PARTIES

Environmental Quality Board

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD

P.O. Box 11488, Santurce, Puerto Rico 00910

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. PRD000282757 — Manifest Document No. 0005 — 2. Page 1 of 2 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Caribe General Electric Products
Apartado AE, Juana Diaz, Puerto Rico 00665

4. Generator's Phone (809) 837-2500

5. Transporter 1 Company Name: ASHLAND CHEMICAL COMPANY — 6. US EPA ID Number: PRD000706291

7. Transporter 2 Company Name: Navieras de Puerto Rico — 8. US EPA ID Number: PRD000706810

9. Designated Facility Name and Site Address
Chemical Waste Management
Highway 17 at Mile Marker 163
Emelle Alabama 35459

10. US EPA ID Number: 9LD000622464

A. [illegible]
B. [illegible]
C. State Transporter's ID
D. Transporter's Phone
E. [illegible]
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone 205-652-9721

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Waste Corrosive Liquid NOS Corrosive UN 1759 Ash-61-2114	2	DM	100	GAL	
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. [illegible] (SPENT CHROMATE) Spent plating bath

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Jose A. Marques — Signature: Jose A. Marques — Month 11 Day 13 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: José A. Ramos — Signature: José A. Ramos — Month 11 Day 13 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: JOSE M PEREZ — Signature: Jose M. Perez — Month 11 Day 17 Year 86

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date
Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL IMMEDIATELY CALL THE ENVIRONMENTAL QUALITY BOARD (809) 722-1439

Print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*	21. Generator's US EPA ID No. P R D 0 9 0 2 8 2 7 5 7	Manifest Document No. 0003	22. Page 2 of 2	Information in the shaded areas is not required by Federal law.

23. Generator's Name

Caribe General Electric Products
Apartado AE , Juana Diaz, Puerto Rico 00665

24. Transporter 3 Company Name: R&DTrucking Company

25. US EPA ID Number: A L D 0 0 4 0 3 1 9 2 8

26. Transporter ____ Company Name

27. US EPA ID Number

28. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	29. Containers No.	Type	30. Total Quantity	31. Unit Wt/Vol	[illegible]
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					

[illegible] | Y. Handling Codes for Wastes Listed Above

32. Special Handling Instructions and Additional Information

33. Transporter ____ Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

34. Transporter ____ Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

35. Discrepancy Indication Space

GENERATOR

TRANSPORTER

FACILITY

EPA Form 8700-22A (3-84)

SHIPMENT OF HAZARDOUS WASTES

- [x] SLUDGE
- [ ] SPENT MATERIALS
- [ ] SPENT OIL

DATE SHIPPED ---------- 3-13-86

MANIFEST DOCUMENT NO. --------- 0002

TSD FACILITY ------ ---------- CHEMICAL WASTE MANAGEMENT, EMELLE, ALABAMA

MANIFEST RECEIVED FROM EMELLE ON:

30 JUNE 1986

REVISED 12-23-86
[illegible]

Environmental Quality Board

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD
P.O. Box 11488, Santurce, Puerto Rico 00910

'86 JUN 30

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: P R D 0 9 0 2 8 2 7 5 7
Manifest Document No.: 2 0 2
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CARIBE GENERAL ELECTRIC PRODUCTS
CARR. 149, KM. 6.7 - APARTADO AE
JUANA DIAZ, P.R. 00665 JUANA DIAZ, P.R. 00665

4. Generator's Phone

5. Transporter 1 Company Name: ASHLAND CHEMICAL COMPANY
6. US EPA ID Number: P R D 0 0 0 7 0 6 2 9 1

7. Transporter 2 Company Name: NAVIERAS DE P.R.
8. US EPA ID Number: P R D 0 0 0 7 0 6 8 1 0

9. Designated Facility Name and Site Address
Chemical Waste Management, Inc.
Emelle Facility, Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459
10. US EPA ID Number: A L D 0 2 2 0 2 0 2 0 2

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE HAZARDOUS LIQUID NOS ORM-E NA-9189	10	01	550	GAL	
b. R.Q. WASTE POLYCHLORINATED BIPHENYLS ORM-E UN 2315	01	01	500	LBS	
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. [illegible]
b. [illegible]

K. Handling Codes for Wastes Listed Above
[illegible]

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

GENERATOR — Printed/Typed Name: JOSE A. MARQUES — Signature: [signature] — Month Day Year: 03 13 86

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: IVAN RODRIGUEZ — Signature: [signature] — Month Day Year: 03 13 86

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: U. CANDHFC — Signature: [signature] — Month Day Year: 04 09 86

FACILITY — 19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Date: Month Day Year

IN CASE OF EMERGENCY OR SPILL IMMEDIATELY CALL THE ENVIRONMENTAL QUALITY BOARD (809) 724-8139

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*	21. Generator's US EPA ID No.	Manifest Document No.	22. Page	Information in the shaded areas is not required by Federal law.
	PRD[illegible]	002		

23. Generator's Name
[illegible] GENERAL ELECTRIC PRODUCTS
[illegible] - APARTADO [illegible]
[illegible], P.R. [illegible], P.R.

[redacted]

24. Transporter ____ Company Name	25. US EPA ID Number	
[illegible]	[illegible]	[illegible] State Transporter's ID
		[illegible] Transporter's Phone 800-633-3376
26. Transporter ____ Company Name	27. US EPA ID Number	[illegible] State Transporter's ID
		[illegible] Transporter's Phone

28. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	29. Containers No.	Type	30. Total Quantity	31. Unit Wt./Vol.	R. Waste No.
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					

6. Additional Descriptions for Materials Listed Above	7. Handling Codes for Wastes Listed Above
[illegible]	

32. Special Handling Instructions and Additional Information

33. Transporter ____ Acknowledgement of Receipt of Materials		Date
Printed/Typed Name: LOUIS TWITTY	Signature: [illegible]	Month 4 Day 23 Year 86
34. Transporter ____ Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year

35. Discrepancy Indication Space

GENERATOR

TRANSPORTER

FACILITY

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
A WHOLLY OWNED AFFILIATE OF THE GENERAL ELECTRIC COMPANY

STATE ROAD NO. 149, Km. 67.2
P. O. BOX AE.
JUANA DIAZ, PUERTO RICO 00665
PHONE (809) 837-2500

STREET "A", EL TUQUE INDUSTRIAL PARK
P. O. BOX 7236
PONCE, PUERTO RICO 00731
PHONE (809) 843-4242

June 6, 1986

Ms. Yasmin López
JUNTA DE CALIDAD AMBIENTAL
P.O. Box 11488
Santurce, P.R. 00910

Dear Ms. López: Re: Exception Report

On March 13, 1986, we sent a shipment of hazardous wastes to the chemical waste management facility in Emelle, Alabama, using Ashland Chemical Co. as the transporter.

Up to this date we have not received the signed original copy of the manifest from the facility.

We have done the following to locate the shipment:

1. 5/14/86 Telephone call to Ashland. Mr. Negrón not in. Left word with the secretary for him to call me back.

2. 5/20/86 Telephone call to Ashland. Mr. Negrón not in. Explained the secretary the problem and left word with her for him to call me back.

3. 5/21/86 Same as No. 2

4. 5/26/86 through 5/30/86 Plant closed for vacation.

5. 6/04/86 Telephone call to Mr. Negrón, Ashland. Talked to him and explained the problem and that I would have to write up an exception report. He said he would check and call me back.

6. 6/05/86 Same as No. 2.

Copy of Puerto Rico and Alabama manifests enclosed.

Very truly yours,

J. Marqués

JM:Cll
cc: EPA, Region II, New York

GE_CARIBE000539

SHIPMENT OF HAZARDOUS WASTES

- [X] SLUDGE
- [ ] SPENT MATERIALS
- [ ] SPENT OIL

DATE SHIPPED ---------- 4-6-83

MANIFEST DOCUMENT NO. --------- 0001

TSD FACILITY ------ ---------- BFI, LIVINGSTONE, LOUISIANA

COMPLETE

REVISED 12-29-86
BY: J. MARQUES

See cover sheet for instructions
PLEASE TYPE

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD
HAZARDOUS WASTE MANIFEST

PART A: DOCUMENT NO 01 P R

GENERATOR NAME: General Electric Company	PHONE: (809) 837-2500	EPA ID NO: PRD090282757
SITE ADDRESS: State Road #149, Km. 67, Juana Diaz, Puerto Rico 00665		
TRANSPORTER NO 1: Equipos de Borinquen	PHONE: (809) 781-8852	PRT000019306
SITE ADDRESS: GPO Box 2534, San Juan, Puerto Rico 00936		
TRANSPORTER NO 2: Navieras, de Puerto Rico	PHONE: (809) 783-1414	PRD000736810
SITE ADDRESS: GPO Box 71306, San Juan, Puerto Rico 00936		
TREATMENT STORAGE OR DISPOSAL (TSD) FACILITY: Browning Ferris Industries	PHONE: (504) 686-7252	LAD000618293
SITE ADDRESS: Livingstone Disposal Facilities, Livingstone, Louisiana		

IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE

THIS FORM IS NO _____ OF A TOTAL OF _____ THE FIRST MANIFEST DOCUMENT NO IS P R

TO BE FILLED OUT BY GENERATOR

	PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS	CONTAINERS NO	CONTAINERS TYPE	LOB EPA HAZ CODE	EOB EPA WASTE TYPE
1	Hazardous Waste N.O.S. Solid (Electroplating Sludge)	ORM-E N.O.S. Solid	NA9189	2	4070	1	74	01		F006
2										
3										
4										
5										
6										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED)

VAN NUMBER PRMU 140009

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the Commonwealth of P.R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE: [signature]	TITLE: Mgr	DATE SHIPPED: 09 25 83 (MO DAY YR)	EXPECTED ARRIVAL DATE: 09 06 83
TRANSPORTER NO 1 SIGNATURE: "To the best of my knowledge the contents of the shipment I have accepted for transport conform with the description on this manifest" [signature]	TRANSPORTER NO 1 VEHICLE ID NO: 7667RP		DATE RECEIVED: 09 25 83

TEAR AT THIS PERFORATION

TO BE FILLED OUT BY TRANSPORTER

PART B GEN EPA ID # PRD090282757

TRANSPORTER NO 1 SIGNATURE: "I certify that I have not tampered with or materially altered the contents of this shipment" [signature]		DATE DELIVERED: 09 14 83 (MO DAY YR)
TRANSPORTER NO 2 SIGNATURE: "To the best of my knowledge the contents of the shipment I have accepted for transport conform with the description on this manifest"	TRANSPORTER NO 2 VEHICLE ID NO:	DATE RECEIVED: MO DAY YR
TRANSPORTER NO 2 SIGNATURE: "I certify that I have not tampered with or materially altered the contents of this shipment"		MO DAY YR

TO BE FILLED OUT BY TSD FACILITY

TREATMENT STORAGE OR DISPOSAL FACILITY INDICATION OF ANY DIFFERENCES BETWEEN MANIFEST AND SHIPMENT OR LISTING OF REASONS FOR ANY DISPOSITION OF REJECTED MATERIALS

HANDLING METHOD: 1 T21 2 D81 3 4 5 6

TREATMENT STORAGE OR DISPOSAL FACILITY SIGNATURE: "Upon visual inspection I certify that the contents of this shipment conform with the description on this manifest except those discrepancies noted on this form" [signature] DATE RECEIVED: 09 14 83 (MO DAY YR)

In case of emergency or spill immediately call the Environmental Quality Board (809) 725-8992

DOCUMENT NO P R

10/80

1. MANIFEST NUMBER
Generator I.D. No. G-9704
Sequence No. 01

STATE OF LOUISIANA
DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE MANAGEMENT
P. O. BOX 44396
BATON ROUGE, LOUISIANA 70804

For Dept. Use
Index # _____
Date _____

WASTE INFORMATION:

HM	SHIPPING DESCRIPTION	HAZARD CLASS	WASTE NUMBER	WEIGHT (TONS)	PACKAGING QTY.	PACKAGING TYPE
	Hazardous Waste N.O.S.	ORM-E, N.O.S.	9704-01	~~18.15~~	74	55 gal
	SOLID	SOLID		16.63		
	Electroplating Sludge					

3. **GENERATOR INFORMATION:** Identification Number: G-9704 Telephone: (809)837-2500
NAME OF COMPANY: General Electric Company
ADDRESS: P.O. Box D, Juana Diaz, Puerto Rico ZIP: 00665
SHIPPING LOCATION: State Rd # 149, Km. 67, Juana Diaz, Puerto Rico
CERTIFICATION: This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, and the Louisiana Department of Natural Resources.

Joel Alvarez — Generator Signature — 3-25-83 Date

4. **TRANSPORTER INFORMATION:** Identification Number: 9576-H Telephone: 504-838-8347
NAME OF COMPANY: CAJUN CARTAGE DATE OF PICK UP: 4-14-83 TIME: 905 Am
CERTIFICATION: This is to certify that the above-named materials were picked up at date and time above and that to the best of the transporter's knowledge, his portion of the manifest is accurately and correctly filled out.

X Louis Mage — Transporter Signature

CERTIFICATION: This is to certify that the above-named materials were delivered without incident to the disposer at the date and time below. EPA-ID # 980795744

Louis Mage — Transporter Signature — DATE OF DELIVERY 04/14/83 TIME: _____

5. **DISPOSER INFORMATION:** Identification Number: LAD000618298 GD251 Telephone: (504) 686-7252
NAME OF COMPANY: Browning Ferris Industries
LOCATION WHERE SHIPMENT RECEIVED: Livingstone Disposal Facilities, Livingstone, La.
CERTIFICATION: This is to certify acceptance of the hazardous waste, that the waste has been or will be disposed of in accordance with Department of Natural Resources regulations, and that to the best of the disposer's knowledge, his portion is accurately and correctly filled out.

SCHUL — Disposer Signature
LA DEQ ID # GD-251
EPA ID # LAD000618298
BFI WASTE SYSTEMS
LIVINGSTON FACILITY
P.O. BOX 473
LIVINGSTON, LA. 70454
PHONE # 504-686-7252

04/18/83 — Date

6. **EMERGENCY INFORMATION:**
Immediate Response Information: In case of accident or spill, call Louisiana Department of Public Safety Telephone: (504) 925-6595
Special Handling Instructions: _____
Comments: _____

WEIGHED

Transporter #1 - Inland Puerto Rico
Equipos De Borinquen
P.O. Box 2534, San Juan, Puerto Rico 00936
EPA #- PRT000010306
Signature
Date 3-25-83 Time 10:00 am

Transporter #2- Overseas Transporter
Navieras de Puerto Rico
GPO Box 71306, San Juan, Puerto Rico 00936
EPA #- PRD000726840
Signature
Date 3/28/83 Time 8:00 AM

REV 12/78

Environmental Quality Board

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD

P.O. Box 11488, Santurce, Puerto Rico 00910

1

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Form Approved. OMB No. 2050-0039. Expires 9-30-91

IN CASE OF EMERGENCY OF SPILL IMMEDIATELY CALL THE ENVIRONMENTAL QUALITY BOARD (809) 724-8774

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. P R D 0 9 0 2 8 2 7 5 7 8 | Manifest Document No. 9 0 0 6

2 Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3 Generator's Name and Mailing Address
Caribe General Electric Product
P.O. Box AE
Juana Diaz, P.R. 00665

4 Generator's Phone (809) 837-2500

A. State Manifest Document Number

B. State Generator's ID

5 Transporter 1 Company Name
SAFETY-KLEEN ENVIROSYSTEMS CO. OF P.R.

6. US EPA ID Number P R D 0 9 0 3 9 9 7 1 8

C. State Transporter's ID HW-02

D. Transporter's Phone (809) 854-1090

7 Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9 Designated Facility Name and Site Address
Safety-Kleen Envirosystems Co. of Puerto Rico, Inc.
P.O. Box 1098 Hwy. 2 Km. 51.0
Manati, Puerto Rico 00701

10. US EPA ID Number P R D 0 9 0 3 9 9 7 1 8

G. State Facility's ID

H. Facility's Phone (809) 854-1090

11 US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14 Unit Wt./Vol	I. Waste No.
a. Not A DOT hazardoua material, Not an EPA hazardous Waste	0 0 7	D M	0 0 3 8 5	G	N/A
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Contains Oil/ Not a DOT/EPA Regulated Material (S-5733)

K. Handling Codes for Wastes Listed Above
S01-S02-T50-T-16
S01,S02,T50,T16

15. Special Handling Instructions and Additional Information

Special Handling Instructions and Additional Information. In case of spill: chemical resistant clothing and gloves should be worn, in addition to respirators masks capable of handling organic materials, safety glasses goggles and any other safety equipment considered necessary to prevent direct contact with the materials included in the drums or tank trucks. In case of individual injuries: rest, remove contaminated clothes, immediately flush eyes with running water and wash skin with soap and plenty of water. If possible transport to a hospital. If not call Emergency Medical Care

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Stephen Brown | Signature: Stephen Brown | Month Day Year: 0 5 0 5 8 9

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Nelson Melendez | Signature: Nelson Melendez | Month Day Year: 0 5 0 5 8 9

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Discrepancy Indication Space

20 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: Lourdes E. Acevedo | Signature: Lourdes E. Acevedo | Month Day Year: 0 5 0 5 8 9

EPA Form 8700-22 (Rev. 9-88) Previous edition is obsolete. CP-2967-AG

GE_CARIBE000543

Environmental Quality Board

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD

P.O. Box 11488, Santurce, Puerto Rico 00910

1

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: PRD090282757 — Manifest Document No.: P9007

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address:
CARIBE GENERAL ELECTRIC PRODUCTS INC.
P.O. BOX AE
JUANA DIAZ, P.R. 00665

4. Generator's Phone: (809) 837-2500

A. State Manifest Document Number:

B. State Generator's ID:

5. Transporter 1 Company Name: SAFETY-KLEEN ENVIROSYSTEMS CO. OF P.R.

6. US EPA ID Number: PRD090399718

C. State Transporter's ID: HW-02

D. Transporter's Phone: (809) 854-1090

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
Safety-Kleen Envirosystems Co. of Puerto Rico, Inc.
P.O. Box 1098 Hwy. 2 Km. 51.0
Manati, Puerto Rico 00701

10. US EPA ID Number: PRD090399718

G. State Facility's ID:

H. Facility's Phone: (809) 854-1090

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE PETROLEUM NAPHTHA, COMBUSTIBLE LIQUID, UN 1255 (EPA, IGNITABILITY D001)	001	DM	00012	G	D001
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

A) CONTAINS MINERAL SPIRITS AND OIL.

K. Handling Codes for Wastes Listed Above

S01, S02, T63

S01, S02, T63

15. Special Handling Instructions and Additional Information

Special Handling Instructions and Additional Information: In case of spill: chemical resistant clothing and gloves should be worn, in addition to respirators masks capable of handling organic materials, safety glases, goggles and any other safety equipment considered necessary to prevent direct contact with the materials included in the drums or tank trucks. In case of individual injuries: rest, remove contaminated clothes, immediately flus eyes with running water and wash skin with soap and plenty of water. If possible, transport to a Hospital; if not call Emergency Medical Care

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Stephen Brown — Signature: Stephen Brown — Month Day Year: 05 18 89

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Josue Ortiz Rivera — Signature: Josue Ortiz Rivera — Month Day Year: 05 18 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Lourdes E. Acevedo — Signature: Lourdes E. Acevedo — Month Day Year: 05 18 89

IN CASE OF EMERGENCY OF SPILL IMMEDIATELY CALL THE ENVIRONMENTAL QUALITY BOARD (809) 722-0439

GENERATOR

TRANSPORTER

FACILITY

EPA Form 8700-22 (Rev. 6-88) Previous edition is obsolete

CP-2967-89

GE_CARIBE000544

CARIBE GENERAL ELECTRIC PRODUCTS INC
A WHOLLY OWNED AFFILIATE OF THE GENERAL ELECTRIC COMPANY

E ROAD NO 149 Km 67.2
BOX AE.
JUANA DIAZ PUERTO RICO 00665
PHONE (809) 837-2500

STREET "A" EL TUQUE INDUSTRIAL PARK
P O BOX 7236
PONCE, PUERTO RICO 00731
PHONE (809) 843-4212

FEB 12 1988

Mr. William O Neill
Junta de Calidad Ambiental
Apartado 11488
Santurce, Puerto Rico 00910

RE: EPA Id. No. PRD090282757
Juana Diaz Plant

Dear Mr. O'Neill:

Enclosed you will find revised page 3 of the 1988 Biennial Report, Generator and TSD ones. Please replace them in the original report. Thank you very much.

Cordially yours,

H. Robles
Heriberto Robles
Mgr. Mrg. Tech.

Enc.

cc: M. Ruiz - GEPRO
FILE

[redacted] G[redacted]ATO[redacted]PORT[redacted] [redacted]90[redacted]

II WASTE IDENTIFICATION

	A. Description of Waste	B. EPA Hazardous Waste No	C. Handling Method	D. Amount of Waste	Unit of Mea
1.	ELECTRO PLATING SLUDGE	F 0 0 6	S01 D81	22.81	METRIC TONS
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					

NOTE: THIS PAGE REPLACES THE ONE ON THE ORIGINAL REPORT DATED FEB 2, 1988.

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1430
JUANA DIAZ, P.R. 00885

FEB 12 1988

[redacted] T[redacted]RIE[redacted]L R[redacted]RT [redacted] [redacted]90[redacted]57 [redacted]

II WASTE IDENTIFICATION

	A. Description of Waste	B. EPA Hazardous Waste No.	C. Handling Method	D. Amount of Waste	Unit of Mea
1.	ELECTROPLATING PROCESS SLUDGE	F 0 0 6	S01 D81	* 2.17	METRIC TONS
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					

NOTE: THIS PAGE REPLACES THE ONE ON THE ORIGINAL REPORT DATED FEB 2, 1988

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX 1430
JUANA DIAZ, P.R. 00665

FEB 12 1988

* SLUDGE STORED FOR MORE THAN 90 DAYS

CARIBE GENERAL ELECTRIC PRODUCTS, INC
A WHOLLY OWNED AFFILIATE OF THE GENERAL ELECTRIC COMPANY

E ROAD NO. 149, Km. 67.2
. BOX AE.
JUANA DIAZ, PUERTO RICO 00665
PHONE (809) 837-2500

STREET "A", EL TUQUE INDUSTRIAL PARK
P. O. BOX 7238
PONCE, PUERTO RICO 00731
PHONE (809) 843-4242

FEB 2 1989

Mr. William O'Neill
Junta de Calidad Ambiental
Apartado 11488
Santurce, Puerto Rico 00910

RE: EPA Id. No. PRD090282757

Dear Mr. O'Neill:

Enclosed you will find the 1988 Biennial Reports, Generator and TSD reports, for our Caribe General Electric Products, Inc. Juana Diaz Plant.

Cordially yours,

Heriberto Robles
Mgr- Mfg. Tech.

Enc.
CC: M. Ruiz- GEPRO
File

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

COMMONWEALTH OF PUERTO RICO/OFFICE OF THE GOVERNOR

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31 1987

I. GENERATOR EPA I.D. NUMBER

PR / D/0/9/0/2/8/2/7/5/7/

II. NAME OF INSTALLATION

CARIBE GENERAL ELECTRIC PRODUCTS, INC., JUANA DIAZ PLANT

III. INSTALLATION MAILING ADDRESS

P.O. BOX 1430

Street or P. O. Box

JUANA DIAZ	P.R.	00665
City or Town	State	Zip Code

IV. LOCATION OF INSTALLATION

CARRETERA 149, Km. 67

Street or Route number

JUANA DIAZ	P.R.	00665
City or Town	State	Zip Code

V. INSTALLATION CONTACT

MARQUES, JOSE

Name (last and first)

809 - 837 - 2500

Phone No. (area code & no.)

ENVIRONMENTAL QUALITY BOARD

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT (cont.)

VI. GENERATOR EPA I.D. NO.

PR / D/0/ 9/0/2/8/2/7/5/7/

VII. FACILITY EPA I.D. NO.

PR / / / / / / / / / / /

SEE SECTION X

1. CECOS, LIVINGSTON, LOUISIANA
2. CWM, EMELLE, ALABAMA
3. CARIBE G.E., JUANA DIAZ, P.R.

VIII. FACILITY ADDRESS

IX. FACILITY NAME (specify facility to which all wastes on this report were shipped)

X. COMMENTS (enter information by section number)

SECTION VII. 1. CECOS, LIVINGSTON, LA - LAD000618298
2. CWM, Emelle, ALABAMA - ALD000622464
3.. CARIBE G.E., JD PLANT ,P.R. - PRD090282757

XI. TRANSPORTATION SERVICES USED (list the name and EPA ID No. or all transporters whose services were used)

1. Ashland Chemical Co.- PRD000706291
2. Navieras de P.R. - PRD000706810
3. Cia. Ponceña de Transp.- PRD980526362
4. TMT - PRD090559360
5. Ryder Ranger - FLD007922578
6. Tri-StateMotor - MOD095038998

XII. CERTIFICATION

I certify under penalty of Law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

HERIBERTO ROBLES — MANAGER- MANUFACTURING TECHNOLOGY

Print/Type Name — Title

FEB 2 1988

Signature of Authorized Repres. — Date Signed

I WASTE IDENTIFICATION

PRD090282757

A. Description of Waste	B. EPA Hazardous Waste No.	C. Handling Method	D. Amount of Waste	Unit of Mea
ELECTROPLATING PROCESS SLUDGE	F 0 0 6	D81	22.81	METRIC TONS

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental Quality Board

COMMONWEALTH OF PUERTO RICO/OFFICE OF THE GOVERNOR

FACILITY BIENNIAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31 1987

I. FACILITY EPA I.D. NUMBER

PR /D/0/9/0/2/8/2/7/5/7/

II. NAME OF FACILITY

CARIBE GENERAL ELECTRIC PRODUCTS, INC., JUANA DIAZ PLANT

III. FACILITY MAILING ADDRESS

P.O. BOX 1430

Street or P. O. Box

JUANA DIAZ — P.R. — 00665

City or Town — State — Zip Code

IV. LOCATION OF FACILITY (if different than section III above)

CARRETERA 149, KM. 67

Street or Route number

JUANA DIAZ — P.R. — 00665

City or Town — State — Zip Code

V. FACILITY CONTACT

MARQUES, JOSE

Name (last and first)

809 - 837 - 2500

Phone No.

VI. COST ESTIMATES FOR FACILITIES

$ 45 , 000 . 00 — Cost estimate for Facility Closure

$ ___ , ___ . ___ — Cost estimate for Post Closure

ENVIRONMENTAL QUALITY BOARD

FACILITY BIENNIAL HAZARDOUS WASTE REPORT (CONT.)

VII. FACILITY'S EPA I.D. NO.

PR /D/ 0/ 9/0/ 2/8/2/7/ 5/ 7/

VIII. GENERATOR'S EPA I.D. NO.

PR /D/0/ 9/0/ 2/8/2/7/5/7/

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT, JUANA DIAZ, P.R.

IX. GENERATORS ADDRESS
P.O. BOX 1430
JUANA DIAZ, P.R. 00665

X. GENERATORS NAME
(specify generator from whom all wastes on this report were received)

XI. COMMENTS (enter information by section number)

SECTION XIII. THE SLUDGE WAS SHIPPED AND DISPOSED AT CHEMICAL WASTE MANAGEMENT, EMELLE, ALABAMA

XII. CERTIFICATION

I certify under penalty of Law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

HERIBERTO ROBLES — MANAGER-MANUFACTURING TECHNOLOGY

Print/Type Name — Title

FEB 2 1988

Signature of Authorized Repres. — Date Signed

PRD090282757

II. WASTE IDENTIFICATION

A. Description of Waste	B. EPA Hazardous Waste No.	C. Handling Method	D. Amount of Waste	Unit of Mea
1. ELECTROPLATING PROCESS SLUDGE	F 0 0 6	D81	* 2.17	METRIC TONS
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

* SLUDGE STORED FOR MORE THAN 90 DAYS

APPENDIX C

SKETCH OF PLATING SETTLING TANK

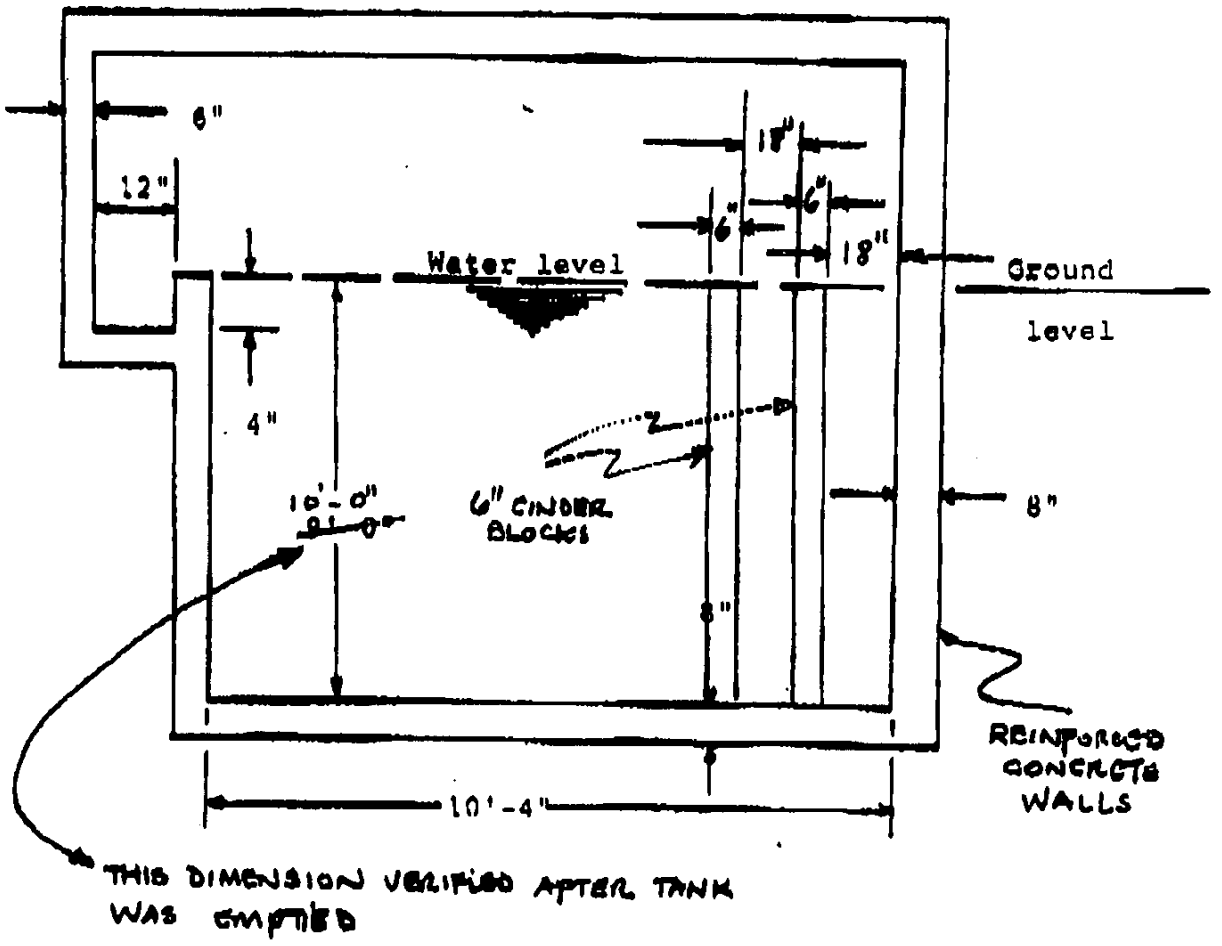
SEP 11 1987

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
JUANA DIAZ, PUERTO RICO 00665

DON STOSKOPF
WARWICK

PLATING SETTLING TANK

SIDE VIEW



APPENDIX D

EFFLUENT ANALYSIS REPORTS

AAA-202-B (Rev.6/88)
AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS
APARTADO 7066 - ESTACION BARRIO OBRERO
SANTURCE, PUERTO RICO 00916

RECEIVED

'89 JAN -3 P1:01

W.D.P.R. INC
G.E. CO. JUANA DIAZ

INFORME DE ANALISIS

3 de diciembre de 1988

General Electric
P. O. Box A. E.
Juana Díaz, P.R. 00665

Re.: 473-4101-0250002

Estimados señores:

Deseamos informarle que durante el pasado 3 de mayo de 1988 se obtuvo muestras de las descargas sanitarias del abonado asociado con la cuenta de referencia. Las pruebas de laboratorio indican que, de acuerdo a lo que dispone nuestro Reglamento, los parámetros de calidad abajo indicados han sido excedidos en los límites máximos permitidos para que se apliquen sobrecargos por el servicio de alcantarillado sanitario.

- [ ] D.B.O. + Sólidos Suspendidos
- [ ] Sólidos Sedimentables
- [ ] Grasas
- [ ] Metales Pesados
- [x] Ph
- [ ] Temperatura
- [ ] Otros: _____

Para los efectos del programa de recuperación de costos (sobrecargos) el parámetro ph excedido, con un valor de 9.6, será considerado. De acuerdo a las fórmulas contenidas en el Reglamento de esta Autoridad para el cálculo del factor de sobrecargo a aplicarse éste será de 3.0. El referido factor tendrá efectividad comenzando con el mes de mayo. Este sobrecargo representa el pago adicional de 2.0 veces el cargo normal por alcantarillado sanitario.

Cualquier aspecto que desee aclarar sobre este asunto puede referírnoslo al teléfono 751-2975 a su mejor conveniencia.

Cordialmente,

Ing. Enrique Font Velázquez
Jefe
Departamento de Sobrecargos

APPENDIX E

INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX AE
JUANA DIAZ, PUERTO RICO 00665

MAY 10, 1987

PUERTO RICO ACUEDUCT AND SEWER AUTHORITY
P.O.BOX 7066
BARRIO OBRERO STATION
SANTURCE, PUERTO RICO 00916

ATTN: ENGR. MIGUEL SANTIAGO
PROCESS ENGINEER

COPY

REF: INDUSTRIAL WASTEWATER DISCHARGE
PERMIT APPLICATION

Dear Engr. Santiago:

This letter constitutes our response to your letter received on May 15, 1987, on PRASA - IWDP Permit Application.

Enclosed you will find one original and two copies of said application for the Caribe General Electric Products, Inc., Juana Diaz Plant, Juana Diaz, Puerto Rico.

If you have any questions , please feel free to contact Engr. Jose A. Marques, 837-2500.

Cordially yours,

Heriberto Robles
Mgr.-Manufacturing Technology

Enc.

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX AE
JUANA DIAZ, PUERTO RICO 00665

JUNE
~~MAY~~ 10, 1987

PUERTO RICO ACUEDUCT AND SEWER AUTHORITY
P.O.BOX 7066
BARRIO OBRERO STATION
SANTURCE, PUERTO RICO 00916

COPY

ATTN: ENGR. MIGUEL SANTIAGO
PROCESS ENGINEER

REF: INDUSTRIAL WASTEWATER DISCHARGE
PERMIT APPLICATION

Dear Engr. Santiago:

This letter constitutes our response to your letter received on May 15, 1987, on PRASA - IWDP Permit Application.

Enclosed you will find one original and two copies of said application for the Caribe General Electric Products, Inc., Juana Diaz Plant, Juana Diaz, Puerto Rico.

If you have any questions , please feel free to contact Engr. Jose A. Marques, 837-2500.

Cordially yours,

Heriberto Robles
Mgr.-Manufacturing Technology

Enc.

AAA - Miguel Santiago 10 de junio 1987 9:10 AM
Oficina 708 - Tel 758-5190

Estado Libre Asociado de Puerto Rico
AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS

RECEIVED

'87 MAY 15 A8:14

G.E. CO. JUANA DIAZ

7 de mayo de 1987

Sr. R. Sharseil
General Manager
General Electric Company
Apartado AE
Juana Díaz, Puerto Rico 00665

Estimado señor Sharseil:

Le estamos enviando Solicitud de Permiso de Descarga de Aguas Residuales para ser cumplimentada y devuelta a nuestra oficina en el tiempo establecido.

Agradeceremos su cooperación para cumplir con este requisito del Programa de Pretratamiento.

Cordialmente,

Miguel Santiago
Ingeniero de Proceso II

AAA-715

Commonwealth of Puerto Rico
PUERTO RICO AQUEDUCT & SEWER AUTHORITY
P.O. Box 7066 - Barrio Obrero Station
San Juan, Puerto Rico 00916

RECEIVED

'87 MAY 15 A8:33

W.D.P.
G.E. CO.-JUANA DIAZ

THE PUERTO RICO AQUEDUCT AND SEWER AUTHORITY
NOTICE TO FILE PERMIT APPLICATIONS

ATTENTION: Discharges to the PRASA System

The Puerto Rico Aqueducts and Sewer Authority, PRASA, has initiated its industrial wastewater pretreatment program as required by the Environmental Protection Agency. The goal of this program is to ensure protection of the public health and the extensive pollution control investments which maintain acceptable environmental water quality in Puerto Rico.

In accordance with PRASA's "Rules and Regulations for the Supply of Water and Sewer Service", you are required to complete and submit an Industrial Wate-water Discharge Permit (IWDP) application.

Copy of the August 22, 1985 amendments to the PRASA Rules and Regulations for the Supply of Water and Sewer Service may be obtained at the Department of State, Regulation Number 3308, Regulations Division, San José Street, Esq. San Francisco, P.O. Box 3271, San Juan, Puerto Rico 00904.

Enclosed are the appropiate application forms. You have 30 calendar days from receipt of this notice to complete and return the application package to PRASA. An original and two copies of your package should be sent to:

Ing. Miguel Santiago
Puerto Rico Aqueduct and Sewer Authority
P.O. Box 7066
Barrio Obrero Station
Santurce, Puerto Rico 00916

Until PRASA takes further action you are authorized to continue discharging under your present contract subject to PRASA rules and regulations.

Sincerely,

Miguel Santiago
Process Engineer
Industrial Waste Control Unit

Encl.

AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY
PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION A
GENERAL INFORMATION

QUESTIONNAIRE

Return this questionnaire by _____

SECTION A: GENERAL INFORMATION

A1. Company Name CARIBE GENERAL ELECTRIC PRODUCTS, INC.

A2. Company Address CALLE CARRION MADURO, JUANA DIAZ, PUERTO RICO

A3. Mailing Address
~~Street~~ and P. O. Box No. BOX AE
City JUANA DIAZ , PUERTO RICO Zip Code 00665
Phone 809-837-2500

A4. Authorized Company Officer
ROBERT I. SCHAUSEIL
Name (Print)
PLANT MANAGER
Tittle

A5. Person to be contacted about questionnaire
Name JOSE A. MARQUES Phone 837-2500
Position or Tittle SENIOR MANUFACTURING ENGINEER
Address P.O. BOX AE, JUANA DIAZ, PUERTO RICO 00665

A6. Contact person in emergency
Name JOSE A. MARQUES Tittle SR. MFG. ENGR.
Day Telephone 837-2500 Night Telephone 842-8064

A7. Waste Water Discharge Permit
Yes_____ No XX
If yes: Permit No._____
Date Issued_____

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX A.E.
JUANA DIAZ, P.R. 00665

GE_CARIBE000564

AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND
SEWER AUTHORITY
PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION A (Cont.)
GENERAL INFORMATION

INDUSTRY NAME _____

Authorized Company Officer Signature:

The information contained in this questionnaire, to the best of my knowledge is true, complete and accurate.

Date JUNE 10, 1987 Signature _____

HERIBERTO ROBLES
MANAGER- MFG. TECH. DEPT.

FOR PRASA USE ONLY

Date Received _____ Industry Discharges to _____

1. Questionnaire Complete: _____
   Questionnaire Incomplete: _____
   Telephone Call Required: _____ Visit Required _____

2. Comments: _____

Reviewed by _____ Date _____

Approved by _____ Date _____

CARIBE
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JUANA DIAZ PLANT
P.O. BOX A.E.
JUANA DIAZ, P.R. 00665

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SECTION B: PRODUCT SERVICE INFORMATION

B1. Industrial Classification: Check the attached list of industries. Select and write the number and industry that fits more closely to yours. Write as "Other" and describe if none of them match with it. The industry may have more than one product and classification.

8- ELECTRIC & ELECTRONIC COMPONENTS

B2. Principal products and services, average and maximum daily production rates, Standard Industry Classification (SIC) number and % of total production of the Company Clearly spell out the unit of production.

PRODUCT	DAILY PRODUCTION AVERAGE	DAILY PRODUCTION MAXIMUM	SIC	PERCENT TOTAL PRODUCTION AVERAGE	PERCENT TOTAL PRODUCTION MAXIMUM
RECEPTACLES	19,434	20,000	36	41.9	40.0
SWITCHES	4,850	6,000	36	10.4	12.0
RELAYS	3,398	4,000	36	7.3	8.0
MISC.	18,700	20,000	36	40.3	40.0

B3. Process description- Include a detailed description of all process (es) from raw material (s) to final product (s) including chemical reactions, clearly identifying all the wastewaters generated. Include diagrams as necessary describing the major unit operations used. An example is enclosed for your information.

PLEASE REFER TO PAGE 3a FOR DETAILED DESCRIPTION OF PROCESS

NOTE: B3 CONTINUES ON PAGE 3a

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SECTION B

B3. Cont.

1. Molding - Molded parts are manufactured using two molding processes: injection (thermoplastic materials) and Compression (thermoset materials). No wastewaters are generated in this process.
RAW MATERIALS USED: Melamine. Polypropylene. Nylon. Urea. Valox, PVC

2. Metal stamping - All metal parts. i.e..brackets. contacts, terminals, etc., are made using metals that come in rolls. and presses of different sizes. No waste waters are generated in this process.
RAW MATERIALS USED: Brass, Cold Rolled Steel, Bronze, Cooper.

3. Electroplating. Most metal parts are coated for protection or identification using one or more of the following electroplating processes: zinc, nickel, tin, cooper. Wastewaters are generated in this process.
RAW MATERIALS USED: Zinc , Nickel, Tin , and Cooper anodes.

4. Assembly. All metal and plastic components are assembled into a final products. No wastewaters are generated in this process.

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AAA-715 (Cont.)

SECTION B: WASTEWATER INFORMATION

If your facility employs processes in any of the 34 industrial categories or business activities listed below and any of these processes generate wastewater or wastesludge, place a check beside the category or business activity (check all that apply).

Industrial Classification:

1. ( ) Adhesives
2. ( ) Aluminum Forming
3. ( ) Auto & Other Laundries
4. ( ) Battery Manufacturing
5. ( ) Coal Mining
6. ( ) Coil Coating
7. ( ) Copper Forming
8. (XX) Electric & Electronic Components
9. ( ) Electroplating
10. ( ) Explosives Manufacturing
11. ( ) Foundries
12. ( ) Gum & Wood Chemicals
13. ( ) Inorganic Chemicals
14. ( ) Iron & Steel
15. ( ) Leather Tanning & Finishing
16. ( ) Mechanical Products
17. ( ) Nonferrous Metals
18. ( ) Ore Mining
19. ( ) Organic Chemicals
20. ( ) Paint & Ink
21. ( ) Pesticides
22. ( ) Petroleum Refining
23. ( ) Pharmaceuticals
24. ( ) Photographic Supplies
25. ( ) Plastic & Synthetic Materials
26. ( ) Plastics Processing
27. ( ) Porcelain Enamel
28. ( ) Printing & Publishing
29. ( ) Pulp & Paper
30. ( ) Rubber
31. ( ) Soaps & Detergents
32. ( ) Steam Electric
33. ( ) Textile Mills
34. ( ) Timber

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B. Other Business Activity

( ) Dairy Products

( ) Slaughter/Meat Packing/Rendering

( ) Food/Edible Products Processor

( ) Beverage Bottler

( ) Other: List _____

_____

_____

_____

AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY
PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION B (Cont.)
PRODUCT SERVICE INFORMATION

INDUSTRY NAME

B4. Plans to introduce changes which may alter production and waste water generation by ± 25% within next 12 months.

Yes _____ No XX

If Yes: %_____ Date _____

B5. Changes that may alter the chemistry of prevailing process and quality of waste water within the next 12 months.

Yes _____ No XX

If Yes, briefly describe new process and or chemicals and those to be replaced. See instructions:

THERE ARE PLANS TO BUY A NEW WASTEWATER TREAMENT PLANT.

B6. Substances which may be discharged into sewer, common and technical names, physical and chemical properties:

NAME (COMMON/TECHNICAL)	PHYSICAL-CHEMICAL PROPERTIES
SEE PAGE 4a FOR LIST OF SUBSTANCES	

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SECTION B

B 6

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT, JUANA DIAZ, P.R.

TRADE NAME
KENLEVEL II LEVLR TB
KENLEVEL II LEVLR TM
MAGNUS BRIGHT DIP S-
MAGNUS 800-X
KENVERT NICKEL NC
METEX NICKEL BRIGHTENER #30
MAGNUS 26-N
METEX NICKEL BRIGHTENER #14
METEX NICKEL BRIGHTENER #33
ES-365
MICROPOLISH 5 F
SODIUM HYDROXIDE
BORIC ACID
NITRIC ACID
SULFURIC ACID
STANNOUS SULFATE
HYDROCHLORIC ACID
NICKEL SULFATE
ZINC BALL ANODES
NICKEL CHLORIDE SOLUTION
POTASSIUM CHLROIDE
NICKEL SULFATE LIQUID
ACTIVATED CHARCOAL
NICKEL PURIFIER
PTH ADDITIVE
PICTAX
SODIUM METABIFULFITE
TIN ANODE
NICKEL ANODE
COPPER ANODE
PROTECTIVE OIL
Z-242
PAVCO GREEN DYE
KEMTEX 88
MACRO COLOR 153
KENVERT NO 170-S
ZINC CHLORIDE
HYDROGEN PEROXIDE
WETTING AGENT #12-A
COPPER GLEAM
CONTACT TIN #1
CONTACT TIN #2
ROTO-BRITE XL-309
ROTO-BRITE L-326
ELECTRO-BRITE 747-M

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AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY PRETREATMENT PROGRAM INDUSTRIAL SURVEY QUESTIONNAIRE	SECTION B (Cont.) PRODUCT SERVICE INFORMATION
	INDUSTRY NAME

B7. Hazardous materials, corrosive, explosive, flammable, toxic materials handle in the plant; give the technnical and common name (s) and the hazard or danger involved:

PLEASE REFER TO PAGES NUMBERED 5a and 5b FOR A COMPLETE LISTING BY AREAS.

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L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON
MAGNUS MAGNU DRAW 10	PRESSES
MAGNUS DO-5	PRESSES-
VANISHING OIL	PRESSES
DE-SCALER	COMPRESSORS
NP 40-L ALGAECIDE	COMPRESSORS
1300-20-LCOMPRESSORS	COMPRESSORS
DELVAC 1220-	COMPRESSORS
KEROSENE	MAINTENANCE
SURE GRIP	MAINTENANCE
MR. TRIPLE ZERO	MAINTENANCE
DYLEK	MAINTENANCE
MOBIL AW68-OIL DTE-26	MOLDING
ETHYLENE GLYCOL COOLANT	MOLDING
KENLEVEL II LEVLR TB	PLATING
KENLEVEL II LEVLR TM	PLATING
MAGNUS BRIGHT DIP S-	PLATING
MAGNUS 800-X	PLATING
KENVERT NICKEL NC	PLATING
METEX NICKEL BRIGHTENER #30	PLATING
MAGNUS 26-N	PLATING
METEX NICKEL BRIGHTENER #14	PLATING
METEX NICKEL BRIGHTENER #33	PLATING
ES-365	PLATING
MICROPOLISH 5 F	PLATING
SODIUM HYDROXIDE	PLATING
BORIC ACID	PLATING
NITRIC ACID	PLATING
SULFURIC ACID	PLATING
STANNOUS SULFATE	PLATING
HYDROCHLORIC ACID	PLATING
NICKEL SULFATE	PLATING
ZINC BALL ANODES	PLATING
NICKEL CHLORIDE SOLUTION	PLATING
POTASSIUM CHLROIDE	PLATING
NICKEL SULFATE LIQUID	PLATING
ACTIVATED CHARCOAL	PLATING
NICKEL PURIFIER	PLATING
PTH ADDITIVE	PLATING
PICTAX	PLATING
SODIUM METABIFULFITE	PLATING
TIN ANODE	PLATING
NICKEL ANODE	PLATING
COPPER ANODE	PLATING
PROTECTIVE OIL	PLATING
Z-242	PLATING
PAVCO GREEN DYE	PLATING
KEMTEX 88	PLATING

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON
MACRO COLOR 153	PLATING
KENVERT NO 170-S	PLATING
ZINC CHLORIDE	PLATING
HYDROGEN PEROXIDE	PLATING
WETTING AGENT #12-A	PLATING
COPPER GLEAM	PLATING
CONTACT TIN #1	PLATING
CONTACT TIN #2	PLATING
ROTO-BRITE XL-309	PLATING
ROTO-BRITE L-326	PLATING
ELECTRO-BRITE 747-M	PLATING
XL-99	CENTRAL PACK
PRINTING INK	CENTRAL PACK
WD-40	ASSEMBLY
DYKEM BLUE DX-100	TOOL ROOM
DYKEM RED DX-296	TOOL ROOM
DYKEM NO. 107	TOOL ROOM
ETHYL ALCOHOL	TOOL ROOM
AGETENE	TOOL ROOM
45-CD-1 CLEANER DEGREASER DG1	TOOL ROOM
46-TB-2 TOOL BLACK	TOOL ROOM
47-P-3 PREVENT	TOOL ROOM
JEMS 1	TOOL ROOM
JEMS 1c	TOOL ROOM
OAKITE FORMULA 59	BODINES
MAGNUS SPRAY NO. 205	RANSOHOFF

AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY
PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION C
FACILITY OPERATION

INDUSTRY NAME

SECTION C: FACILITY OPERATION

C1. Operational Status:

Permanently closed ___ Since ___
Temporarily closed ___
Plans to reopen on ___

In operation XX

C2. Operational Mode:

Shift - From 7:30 AM To 4:30 PM, To 12:30 AM To 7:30 AM

Batch: Number of batches per working hours

Batches ___ per ___ hrs. N/A

C3. Variations in Operation:

a. Continuous throughout the year (check) XX

b. Seasonal: Circle production months and underline peak production months:

J F M A M J J A S O N D

c. Continuous throughout the week (check) XX

d. Or circle production days during the week and underline maximum production days: N/A

S M T W T F S

Scheduled shut down periods: during the year:
PLEASE REFER TO PAGE 6a FOR DETAILED INFORMATION
From ___ To ___

Reason: FOR VACATIONS AND MAINTENANCE

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SECTION C

C3.d Scheduled Shut-downs

	1987
April	13 - 17
May	25 - 29
July	20 - 24
Dec.	21 - 25
Dec.	28 - Jan. 6

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AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY
PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION C FACILITY OPERATION
INDUSTRY NAME

C4. Wastewater Discharge Periods: PLEASE REFER TO PAGE 7a FOR DETAILED EXPLANATION

a. Wastewater discharge daily: From 6:00 AM To 11:00 PM

b. Days of the week that discharge take place.
Circle the days and underline maximum discharge days:

S (M) (T) (W) (T) (F) S

c. Clean up discharge periods: N/A

1. Daily: From _____ To _____

Circle days of the week that clean ups take place:

S M T W T F S

2. Month (s) of the year that clean ups take place

MAY / 4	DEC / 3,4
Month/Week	Month/Week

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SECTION C

C4.a. Wastewater discharge periods.

a. Depending on schedule, we could discharge wastewater from the plating process in three periods:

6:00 am - 3:00 pm

3:00 pm - 11:00 pm

11:00 pm - 6:00 am

Recently, we have been discharging from 6:00 am to 11:00 pm.

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APPENDIX

C-5A PERSONNEL DISTRIBUTION TABLE

	I	II	III	TOTAL
Shift Hours	7: 30 AM TO 4:30 PM	4:30 PM TO 12:30 AM	12:30 AM TO 7:30 AM	
PRODUCTION & Maintenance	125	7	4	136
INDIRECT LABOR	50	3	----	53
ADMINISTRATION & Office	19	----	----	19

Grand Total 208

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AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY
PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION D
WATER USAGE AND DISPOSAL

INDUSTRY NAME

SECTION D: WATER USAGE AND DISPOSAL

D1. Describe briefly each operation that generates waste water at the facility. Include cycles, process, clean ups. State quantities either measured or estimated.

1. ELECTROPLATING PROCESS. ELECTRO PLATING OF METAL PARTS. ESTIMATED QUANTITY OF 100 M^3/DAY

D2. Sewer systems available within plant premises - see instructions, check:

Domestic (XX) Process (XX) Oily ( ) Storm (XX)

D3. Water supply sources. State if quantities are estimated or measured.

Source	Monthly Average	Daily Maximum
P.R. Aqueduct	2358 M^3	104.5 M^3
Private Well	12 MO/AVE - MEASURED	22.5 DAYS/MONTH - EST.
River		
Sea Water		
Other		

D4. Water treatment given to each of the water sources - see instructions:

PLEASE REFER TO PAGE 8a FOR DETAILED EXPLANATION OF WASTEWATER TREAMENT PROCESS. PLATING OPERATION.

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SECTION D

D4. The treatment of the plating wastewaters consist of two (2) tanks:

Tank No. 1. ORP - Oxidation Reduction Process. In this tank Hexavalent Chromium is reduced to trivalent Chromium by the addition of mixture /solution of sodium metabisulphite and hydrochloric acid.

Tank No.2. Neutralization Tank. Increase pH by addition of caustic soda - NaOH.

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AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY PRETREATMENT PROGRAM INDUSTRIAL SURVEY QUESTIONNAIRE	SECTION D (Cont.) WATER USAGE AND DISPOSAL
	INDUSTRY NAME

D5. Water usage and quantity for the various needs, source refer to D-3.

Usage	Source	Monthly Average	Daily Maximum
Domestic	PRASA	180 M^3	8.0 M^3 (EST)
Process	PRASA	2133 M^3	94.5 M^3 (EST)
Cooling	PRASA	45 M^3	EVAPORATION 2.0 M^3 (EST)
Boiler			
Plant			
Fire			
Other (Specify)			

D6. Describe any utilization of water recycle process; provide a process flow diagram of the plants involved in the recycle including waste water with line sizes, process and water quantities, waste water source, injections points, drains, and sewer where water is drained.

N/A

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AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY PRETREATMENT PROGRAM INDUSTRIAL SURVEY QUESTIONNAIRE	SECTION D (Cont.) WATER USAGE AND DISPOSAL INDUSTRY NAME

D7. Waste-water generated that discharges into the sewer system; or other disposal sites from the various sources.

From (Generation)	Monthly Average	Daily Maximum	Point Discharge
Domestic	180 M^3	8.0 M^3	SEWER PRASA
Tower Blowdown			
Boiler Blowdown			
Plant Process	2133 M^3	94.5 M^3	SEWER PRASA
Cooling			
Fire			
Drains:			
a) columns			
b) tanks			
c) lines			
d) other			
Rain			

D8. Waste-water pretreatment: Describe pretreatment facilities to waste water before discharging into PRASA facilities. Include flow diagrams, efficiency, and or inlet and outlet of pretreatment facility analysis.

PLEASE REFER TO PAGE 10a FOR DETAILED DESCRIPTION OF PRE TREATMENT FACILITIES.

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SECTION D

PART D8.

1. Tank No. 1. ORP - Oxidation Reduction Process

Equipment- One (1) tank - 125 gals capacity
one (1) electric mixer

Process- Reduction of Hexavalent Cr to Trivalent Cr by addition of a mixture/solution of sodium metabisulphite and hidrochloric acid.

Estimated annual volume of water - 230.000 gals.

2. Tank No. 2. Neutralization Tank.

Equipment- One (1) tank - 500 gals capacity
One (1) electric mixer

Process - Neutralization of wastewaters by addition of Caustic Soda - NaOH

Estimated Annual volume of water - 1.382.000 gals.

3. Tank No. 3. Sedimentation Tank

Equipment - One (1) concrete tank - 6000 gals capacity.

Sedimentation of sludges.

Estimated annual volume of water - 1.512.000 gals.

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PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION D (Cont.)
WATER USAGE AND DISPOSAL

INDUSTRY NAME

D9. Describe other non conventional means to dispose of waste water: volume, means, discharge point, hauler name and address, discharge permit number and typical analysis of waste water: N/A

a. Wastewater source _____

b. Rate of volume generated _____

c. Transportation means, rate of dumps and procedure _____

d. Hauler name address _____

e. Discharge site _____

f. Wastewater analysis _____

g. Discharge Permit No. _____ Date permit issued _____

h. Briefly explain the reason to dispose of this water by trucking _____

D10. Diagramatic water balance: Provide a diagramatic water balance from inlet flow to plant premises to discharge into PRASA facilities. Make a material balance of the water around each piece of equipment showing inlet volumes, outlet volumes, evaporation losses, process usage, drains.

Indicate water source, line size and flows, flow measuring facilities drain sizes, type of receiving sewers and sewer discharge sites. Include in the diagram pretreatment facilities.

PLEASE REFER TO PAGE 11a FOR DIAGRAM

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PRASA - INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION D - D 10

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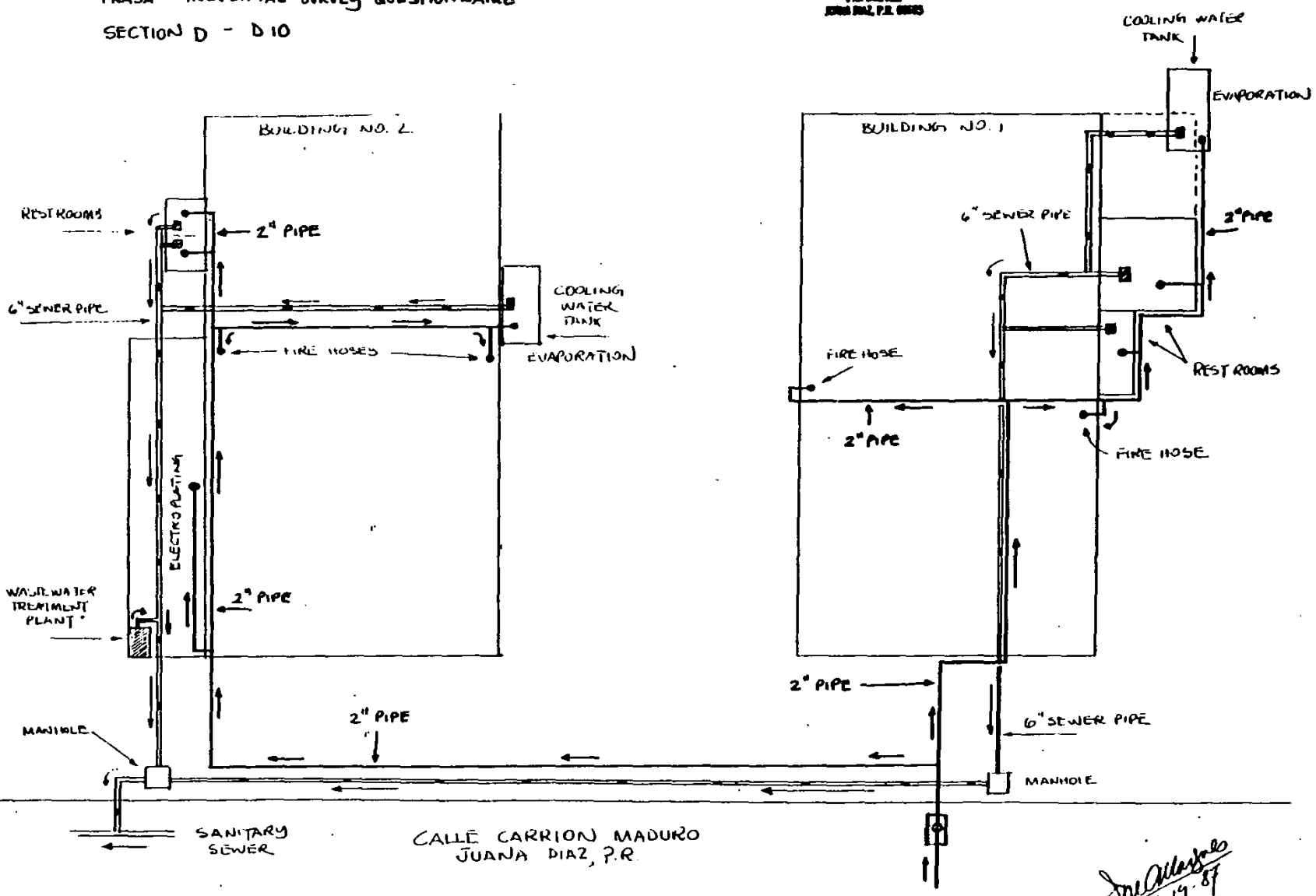

5-19-87

PAGE 11a

SECTION E: SLUDGE GENERATION AND DISPOSAL

E1. Describe type of sludge: where, how is generated, chemical reactions involved, physical methods of separation, etc.

THE SLUDGE GENERATED CONSISTS OF METAL HYDROXIDES FORMED FROM THE CHEMICAL REACTION OF THE DIFFERENT METALS, AS THEY COME FROM THE PLATING TANKS, AND NaOH? CAUSTIC SODA.

E2. Rate of volume or weight UNK

E3. Transportation procedure and means FROM SEDIMENTATION TANK PUMPED INTO 55 GAL DRUMS AND/OR TRAILER TANK.

E4. Containers: bags _____, drums xx, dump trucks _____, other TRAILER TANK.

E5. Hauler's Name CECOS INTERNATIONAL and ASHLAND CHEMICAL CO.

Hauler Address CECOS INTERNATIONAL, PONCE, PUERTO RICO
ASHLAND CHEMICAL, BAYAMON, PUERTO RICO.

E6. Sludge disposal: shipped xx, incineration _____, dumped and location _____.

E7. Provide sludge characterization, complete analysis.
REFER TO PAGES 12 b and 12 c

E8. Provide a bill of lading or official document of last two sludge shipments or transportation records.
REFER TO PAGES 12 d and 12 e

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ENVIROLABS INC.

INDUSTRIAL AND ENVIRONMENTAL LABORATORIES

April 23, 1986

Caribe General Electric Products, Inc.
P .O. Box AE
Juana Díaz, Puerto Rico 00665

Attn.: Mr. F. Maldonado

RESULTS OF ANALYSIS

Sample Identification:

Plating Sludge
February 18, 1986
Envirolabs No. 9869

RESULTS

Cyanide	< 1 µg/g
Oil & Grease	490 µg/g
Surfactants	4 µg/g
Aluminum	< 1 µg/g
Barium	82 µg/g
Cadmium	6 µg/g
Chromoium, total	3,900 µg/g
Copper	1,500 µg/g
Iron	1,900 µg/g
Lead	14 µg/g
Manganese	72 µg/g
Nickel	4,500 µg/g
Silver	4 µg/g

JERR/lmd

Caribe General Electric
April 23, 1986
Page 2

RESULTS OF ANALYSIS

Sample Identification:

Plating Sludge
February 18, 1986
Envirolabs No. 9869

RESULTS

Tin.....	150 µg/g
Zinc.....	5000 µg/g
Water Content.....	88% by wt

José R. Ruiz Rivera

lmd

PAGE 12C

COMMONWEALTH OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD
P.O. Box 11488, Santurce, Puerto Rico 00910

Environmental Quality Board

1

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2050-0039 Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: PRD092827570005 — Manifest Document No

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address
CARIBE GENERAL ELECTRIC PRODUCTS, INC.
P.O. BOX AE, JUANA DIAZ, PUERTO RICO 00665

4 Generator's Phone (809) 837-2500

A. State Generator's ID

5 Transporter 1 Company Name: COMPAÑIA PONCEÑA DE TRANSPORTE — 6 US EPA ID Number: PRD982052636

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone: 809-844-2205

7 Transporter 2 Company Name: TRAILER MARINE TRANSPORT (TMT) — 8 US EPA ID Number: PRD095595360

E. State Transporter's ID

F. Transporter's Phone: 809-721-1313

9 Designated Facility Name and Site Address
CECOS INTERNATIONAL I-12
HIGHWAY 63
LIVINGSTON, LOUISIANA 70754

10 US EPA ID Number: LAD000618298

G. State Facility's ID

H. Facility's Phone: 504-686-0122

GENERATOR

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No	Type	13 Total Quantity	14 Unit Wt/Vol	I. Waste No.
a. Hazardous Waste, Liquid NOS ORM-E NA-9189	001	TT	5000	G	F006
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. Electroplating Sludge

K. Handling Codes for Wastes Listed Above
D-81

15. Special Handling Instructions and Additional Information
PO 515-05-901 Work Order 188982
Tank No. DCIU-736050

16 **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present a future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and sel the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JOSE A. MARQUES — Signature: Jose A. Marques — Month Day: 05 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BENITO RODRIGUEZ — Signature: Benito Rodriguez — Month Day: 05 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day:

FACILITY

19. Discrepancy Indication Space
Page 12 d

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

IN CASE OF EMERGENCY OF SPILL IMMEDIATELY CALL ENVIRONMENTAL QUALITY BOARD (Law 70) Telephone

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

Please print or type (Form designed for use on elite (12 pitch) typewriter.) Form Approved OMB No 2000-0404 Expires 7 31

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: PRD090282757 — Manifest Document No:
2. Page 1 of — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
CARIBE GENERAL ELECTRIC PRODUCTS
CARR. 149, KM. 67, APARTADO AE
JUANA DIAZ, PUERTO RICO 00665

4. Generator's Phone

A. State Manifest Document Number: CWMA [redacted]

5. Transporter 1 Company Name: ASHLAND CHEMICAL COMPANY
6. US EPA ID Number: PRD000706291

C. State Transporter's ID [redacted]
D. Transporter's Phone [redacted]

7. Transporter 2 Company Name: NAVIERAS DE P.R.
8. US EPA ID Number: PRD000706810

E. State Transporter's ID [redacted]
F. Transporter's Phone: 809 [redacted]

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459
10. US EPA ID Number: ALD000622464

G. State Facility's ID [redacted]
H. Facility's Phone: 205/652-9721

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol
a. WASTE HAZARDOUS LIQUID NOS. ORM-E NA-9189 — CWM Profile Number ASH-61-0573	10	DM	550	GAL
b. R Q WASTE POLYCHLORINATED BIPHENYLS ORM-E UN 2315 — CWM Profile Number ASH-61-0582	01	DM	500	LBS
c. CWM Profile Number				
d. CWM Profile Number				

J. Additional Descriptions for Materials Listed Above
a. ELECTROPLATING ~~XXXXX~~ SLUDGE
b. SMALL PCB CAPACITOR CONTAINING LESS THAN 3 LBS LIQUID EACH

K. Handling Codes for Wastes Listed Above
a.
b.

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: JOSE A. MARQUES — Signature: Jose A Marques — Month Day Year: 03 13 86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: IVAN RODRIGUEZ — Signature: Ivan Rodriguez — Month Day Year: 03 13 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

Page 12e

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name

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AAA-715 (Cont.)

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY PRETREATMENT PROGRAM INDUSTRIAL SURVEY QUESTIONNAIRE	SECTION F SPILL PREVENTION FACILITIES
	INDUSTRY NAME

SECTION F: SPILL PREVENTION FACILITIES

F1. a. Location of facilities PLATING

b. Type of facilites and materials intended to confine
CONTAINMENT AROUND PROCESS TANKS - PROCESS WASTEWATER

c. Pretreatment given to spills SAME AS PROCESS WATER

d. Disposition or discharge point of discarded liquid including rain water PASSSED THROUGH THE PROCESS WATER
PRE TREATMENT PLANT

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PUERTO RICO AQUEDUCT AND SEWER AUTHORITY PRETREATMENT PROGRAM INDUSTRIAL SURVEY QUESTIONNAIRE	SECTION G PRIORITY POLLUTANTS INFORMATION
	INDUSTRY NAME

SECTION G: PRIORITY POLLUTANTS INFORMATION

G1. Provide the requested information in the attached Priority Pollutants List. See instructions.

PLEASE REFER TO PAGES 14 a and 14 b

COMPLEMENTARY INFORMATION

Provide a "to scale" plot plan of the company buildings, equipment and pretreating facilities that receives water and generates waste waters including the information requested in the instructions:

Inlet (s) and outlet (s) lines, line sizes, average flows, direction of flows, location of flow metering facilities, location of sampling facilities, connection to the various sewers, sewer line sizes and average flows, sewer discharge points, storm (rain) drains and storm sewer system and discharge points (See Instructions).

PLEASE REFER TO PAGES 14 c and 14 d FOR PLOT PLANS.

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SECTION G: PRIORITY POLLUTANT INFORMATION

Priority Pollutant Information: Please indicate by placing an "x" in the appropriate box by each listed chemical whether it is "Suspected to be Absent," "Known to be Absent," "Suspected to be Present," or "Known to be Present" in your manufacturing or service activity or generated as a by-product.

CHEMICAL COMPOUND	Known Present	Suspected Present	Known Absent	Suspected Absent	Range of Suspected Concentrations
I. METALS & INORGANICS					
1. Antimony	[ ]	[ ]	[x]	[ ]	
2. Arsenic	[ ]	[ ]	[x]	[ ]	
3. Asbestos	[ ]	[ ]	[x]	[ ]	
4. Beryllium	[ ]	[ ]	[x]	[ ]	
5. Cadmium	[ ]	[ ]	[x]	[ ]	
6. Chromium	[X]	[ ]	[ ]	[ ]	
7. Copper	[X]	[ ]	[ ]	[ ]	
8. Cyanide	[ ]	[ ]	[x]	[ ]	
9. Lead	[X]	[ ]	[ ]	[ ]	
10. Mercury	[ ]	[ ]	[x]	[ ]	
11. Nickel	[X]	[ ]	[ ]	[ ]	
12. Selenium	[ ]	[ ]	[x]	[ ]	
13. Silver	[ ]	[ ]	[x]	[ ]	
14. Thallium	[ ]	[ ]	[x]	[ ]	
15. Zinc	[X]	[ ]	[ ]	[ ]	
II. PHENOLS AND CRESOLS					
16. Phenol(s)	[ ]	[ ]	[x]	[ ]	
17. Phenol, 2-chloro	[ ]	[ ]	[x]	[ ]	
18. Phenol, 2,4-dichloro	[ ]	[ ]	[x]	[ ]	
19. Phenol, 2,4,6-trichloro	[ ]	[ ]	[x]	[ ]	
20. Phenol, pentachloro	[ ]	[ ]	[x]	[ ]	
21. Phenol, 2-nitro	[ ]	[ ]	[x]	[ ]	
22. Phenol, 4-nitro	[ ]	[ ]	[x]	[ ]	
23. Phenol, 2,4-dinitro	[ ]	[ ]	[x]	[ ]	
24. Phenol, 2,4-dimethyl	[ ]	[ ]	[x]	[ ]	
25. m-Cresol, p-chloro	[ ]	[ ]	[x]	[ ]	
26. o-Cresol, 4,6-dinitro	[ ]	[ ]	[x]	[ ]	
III. MONOCYCLIC AROMATICS (EXCLUDING PHENOLS, CRESOLS AND PHTHALATES)					
27. Benzene	[ ]	[ ]	[x]	[ ]	
28. Benzene, chloro	[ ]	[ ]	[x]	[ ]	
29. Benzene, 1,2-dichloro	[ ]	[ ]	[x]	[ ]	
30. Benzene, 1,3-dichloro	[ ]	[ ]	[x]	[ ]	
31. Benzene, 1,4-dichloro	[ ]	[ ]	[x]	[ ]	
32. Benzene, 1,2,4-trichloro	[ ]	[ ]	[x]	[ ]	
33. Benzene, hexachloro	[ ]	[ ]	[x]	[ ]	
34. Benzene, ethyl	[ ]	[ ]	[x]	[ ]	
35. Benzene, nitro	[ ]	[ ]	[x]	[ ]	
36. Toluene	[ ]	[ ]	[x]	[ ]	
37. Toluene, 2,4-dinitro	[ ]	[ ]	[x]	[ ]	
38. Toluene, 2,6-dinitro	[ ]	[ ]	[x]	[ ]	
IV. PCBs & RELATED COMPOUNDS					
39. PCB-1016	[ ]	[ ]	[x]	[ ]	
40. PCB-1221	[ ]	[ ]	[x]	[ ]	
41. PCB-1232	[ ]	[ ]	[x]	[ ]	
42. PCB-1242	[ ]	[ ]	[x]	[ ]	
43. PCB-1248	[ ]	[ ]	[x]	[ ]	
44. PCB-1254	[ ]	[ ]	[x]	[ ]	
45. PCB-1260	[ ]	[ ]	[x]	[ ]	
46. 2-Chloronaphthalene	[ ]	[ ]	[x]	[ ]	
V. ETHERS					
47. Ether, bis(chloromethyl)	[ ]	[ ]	[x]	[ ]	
48. Ether, bis(2-chloroethyl)	[ ]	[ ]	[x]	[ ]	
49. Ether, bis(2-chloroisopropyl)	[ ]	[ ]	[x]	[ ]	
50. Ether, 2-chloroethyl vinyl	[ ]	[ ]	[x]	[ ]	
51. Ether, 4-bromophenyl phenyl	[ ]	[ ]	[x]	[ ]	
52. Ether, 4-chlorophenyl phenyl	[ ]	[ ]	[x]	[ ]	
53. Bis(2-chloroethoxy) methane	[ ]	[ ]	[x]	[ ]	
VI. NITROSAMINES AND OTHER NITROGEN CONTAINING COMPOUNDS					
54. Nitrosamine, dimethyl	[ ]	[ ]	[x]	[ ]	
55. Nitrosamine, diphenyl	[ ]	[ ]	[x]	[ ]	
56. Nitrosamine, di-n-propyl	[ ]	[ ]	[x]	[ ]	
57. Benzidine	[ ]	[ ]	[x]	[ ]	
58. Benzidine, 3,3'-dichloro	[ ]	[ ]	[x]	[ ]	
59. Hydrazine, 1,2-diphenyl	[ ]	[ ]	[x]	[ ]	
60. Acrylonitrile	[ ]	[ ]	[x]	[ ]	

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JUANA DIAZ PLANT
P.O. BOX A.E.
JUANA DIAZ, P.R. 00655

CHEMICAL COMPOUND	Long Present	Suspected Present	Long Absent	Suspected Absent	Long of Suspected Concentration/Air
VII. HALOGENATED ALIPHATICS					
61. Methane, bromo-	[ ]	[ ]	[X]	[ ]	
62. Methane, chloro-	[ ]	[ ]	[X]	[ ]	
63. Methane, dichloro	[ ]	[ ]	[X]	[ ]	
64. Methane, chlorodibromo	[ ]	[ ]	[X]	[ ]	
65. Methane, dichlorobromo	[ ]	[ ]	[X]	[ ]	
66. Methane, tribromo	[ ]	[ ]	[X]	[ ]	
67. Methane, trichloro	[ ]	[ ]	[X]	[ ]	
68. Methane, tetrachloro	[ ]	[ ]	[X]	[ ]	
69. Methane, trichlorofluoro	[ ]	[ ]	[X]	[ ]	
70. Methane, dichlorodifluoro	[ ]	[ ]	[X]	[ ]	
71. Ethane, 1,1-dichloro	[ ]	[ ]	[X]	[ ]	
72. Ethane, 1,2-dichloro	[ ]	[ ]	[X]	[ ]	
73. Ethane, 1,1,1-trichloro	[ ]	[ ]	[X]	[ ]	
74. Ethane, 1,1,2-trichloro	[ ]	[ ]	[X]	[ ]	
75. Ethane, 1,1,2,2-tetrachloro	[ ]	[ ]	[X]	[ ]	
76. Ethane, hexachloro	[ ]	[ ]	[X]	[ ]	
77. Ethene, chloro	[ ]	[ ]	[X]	[ ]	
78. Ethene, 1,1-dichloro	[ ]	[ ]	[X]	[ ]	
79. Ethene, trans-dichloro	[ ]	[ ]	[X]	[ ]	
80. Ethene, trichloro	[ ]	[ ]	[X]	[ ]	
81. Ethene, tetrachloro	[ ]	[ ]	[X]	[ ]	
82. Propane, 1,2-dichloro	[ ]	[ ]	[X]	[ ]	
83. Propene, 2,4-dichloro	[ ]	[ ]	[X]	[ ]	
84. Butadiene, hexachloro	[ ]	[ ]	[X]	[ ]	
85. Cyclopentadiene, hexachloro	[ ]	[ ]	[X]	[ ]	
VIII. PHTHALATE ESTERS					
86. Phthalate, di-o-methyl	[ ]	[ ]	[X]	[ ]	
87. Phthalate, di-o-ethyl	[ ]	[ ]	[X]	[ ]	
88. Phthalate, di-n-butyl	[ ]	[ ]	[X]	[ ]	
89. Phthalate, di-n-octyl	[ ]	[ ]	[X]	[ ]	
90. Phthalate, bis(2-ethylhexyl)	[ ]	[ ]	[X]	[ ]	
91. Phthalate, butyl benzyl	[ ]	[ ]	[X]	[ ]	
IX. POLYCYCLIC AROMATIC HYDROCARBONS					
92. Acenaphthene	[ ]	[ ]	[X]	[ ]	
93. Acenaphthylene	[ ]	[ ]	[X]	[ ]	
94. Anthracene	[ ]	[ ]	[X]	[ ]	
95. Benzo (a) anthracene	[ ]	[ ]	[X]	[ ]	
96. Benzo (b) fluoranthene	[ ]	[ ]	[X]	[ ]	
97. Benzo (k) fluoranthene	[ ]	[ ]	[X]	[ ]	
98. Benzo (ghi) perylene	[ ]	[ ]	[X]	[ ]	
99. Benzo (a) pyrene	[ ]	[ ]	[X]	[ ]	
100. Chrysene	[ ]	[ ]	[X]	[ ]	
101. Dibenzo (a,h) anthracene	[ ]	[ ]	[X]	[ ]	
102. Fluoranthene	[ ]	[ ]	[X]	[ ]	
103. Fluorene	[ ]	[ ]	[X]	[ ]	
104. Indeno (1,2,3-cd) pyrene	[ ]	[ ]	[X]	[ ]	
105. Naphthalene	[ ]	[ ]	[X]	[ ]	
106. Phenanthrene	[ ]	[ ]	[X]	[ ]	
107. Pyrene	[ ]	[ ]	[X]	[ ]	
X. PESTICIDES					
108. Acrolein	[ ]	[ ]	[X]	[ ]	
109. Aldrin	[ ]	[ ]	[X]	[ ]	
110. BHC (Alpha)	[ ]	[ ]	[X]	[ ]	
111. BHC (Beta)	[ ]	[ ]	[X]	[ ]	
112. BHC (Gamma) or Lindane	[ ]	[ ]	[X]	[ ]	
113. BHC (Delta)	[ ]	[ ]	[X]	[ ]	
114. Chlordane	[ ]	[ ]	[X]	[ ]	
115. DDD	[ ]	[ ]	[X]	[ ]	
116. DDE	[ ]	[ ]	[X]	[ ]	
117. DDT	[ ]	[ ]	[X]	[ ]	
118. Dieldrin	[ ]	[ ]	[X]	[ ]	
119. Endosulfan (Alpha)	[ ]	[ ]	[X]	[ ]	
120. Endosulfan (Beta)	[ ]	[ ]	[X]	[ ]	
121. Endosulfan Sulfate	[ ]	[ ]	[X]	[ ]	
122. Endrin	[ ]	[ ]	[X]	[ ]	
123. Endrin aldehyde	[ ]	[ ]	[X]	[ ]	
124. Heptachlor	[ ]	[ ]	[X]	[ ]	
125. Heptachlor epoxide	[ ]	[ ]	[X]	[ ]	
126. Isophorone	[ ]	[ ]	[X]	[ ]	
127. TCDD (or Dioxin)	[ ]	[ ]	[X]	[ ]	
128. Toxaphene	[ ]	[ ]	[X]	[ ]	

If you are unable to identify the chemical constituents of products you use that discharged in your wastewater, attach copies of the materials safety data sheets for such products.

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JUANA DIAZ PLANT
P.O. BOX A.E.
JUANA DIAZ, P.R. 00795

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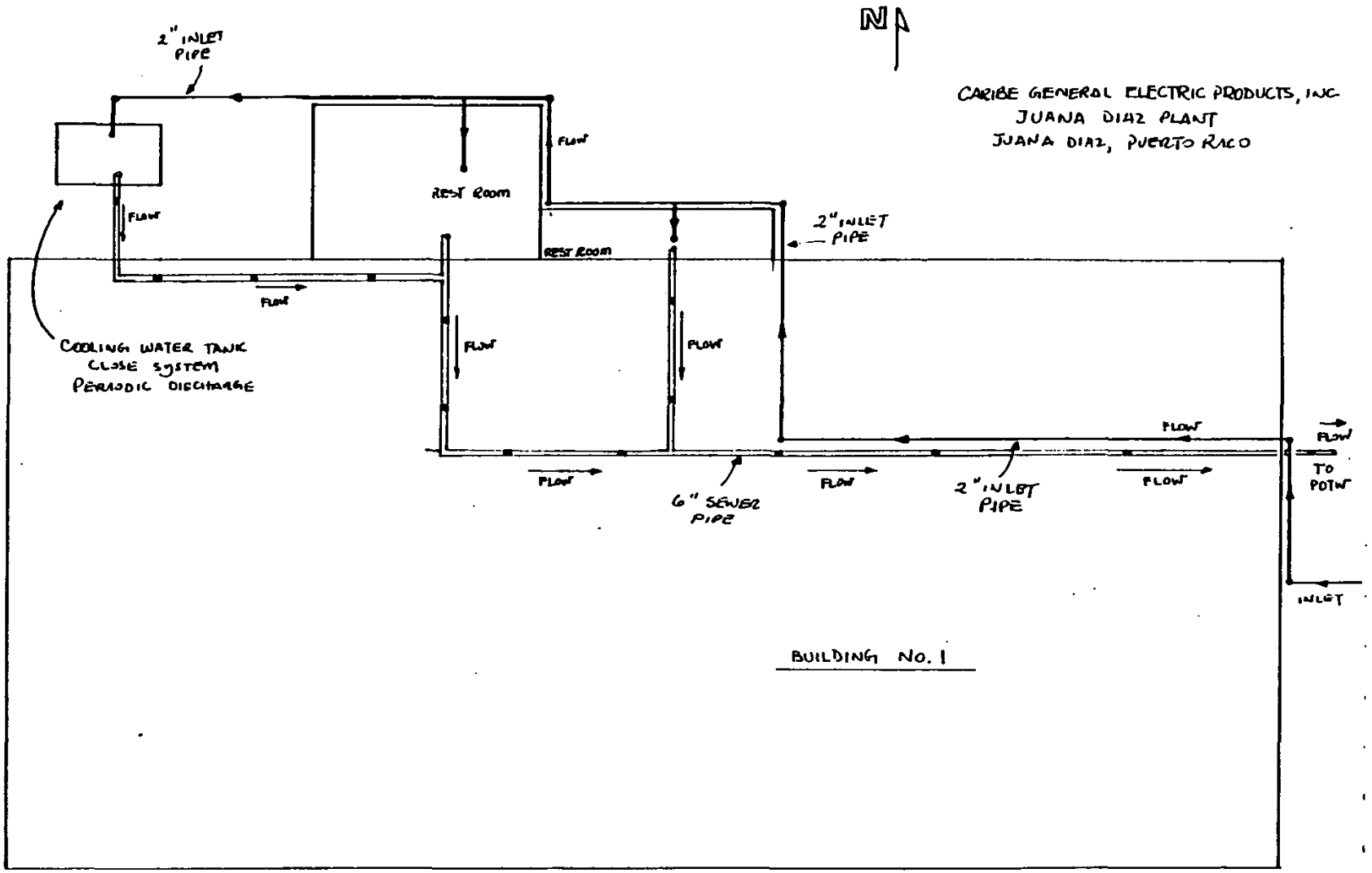
SECTION G

G 1.

ADDITIONAL INFORMATION



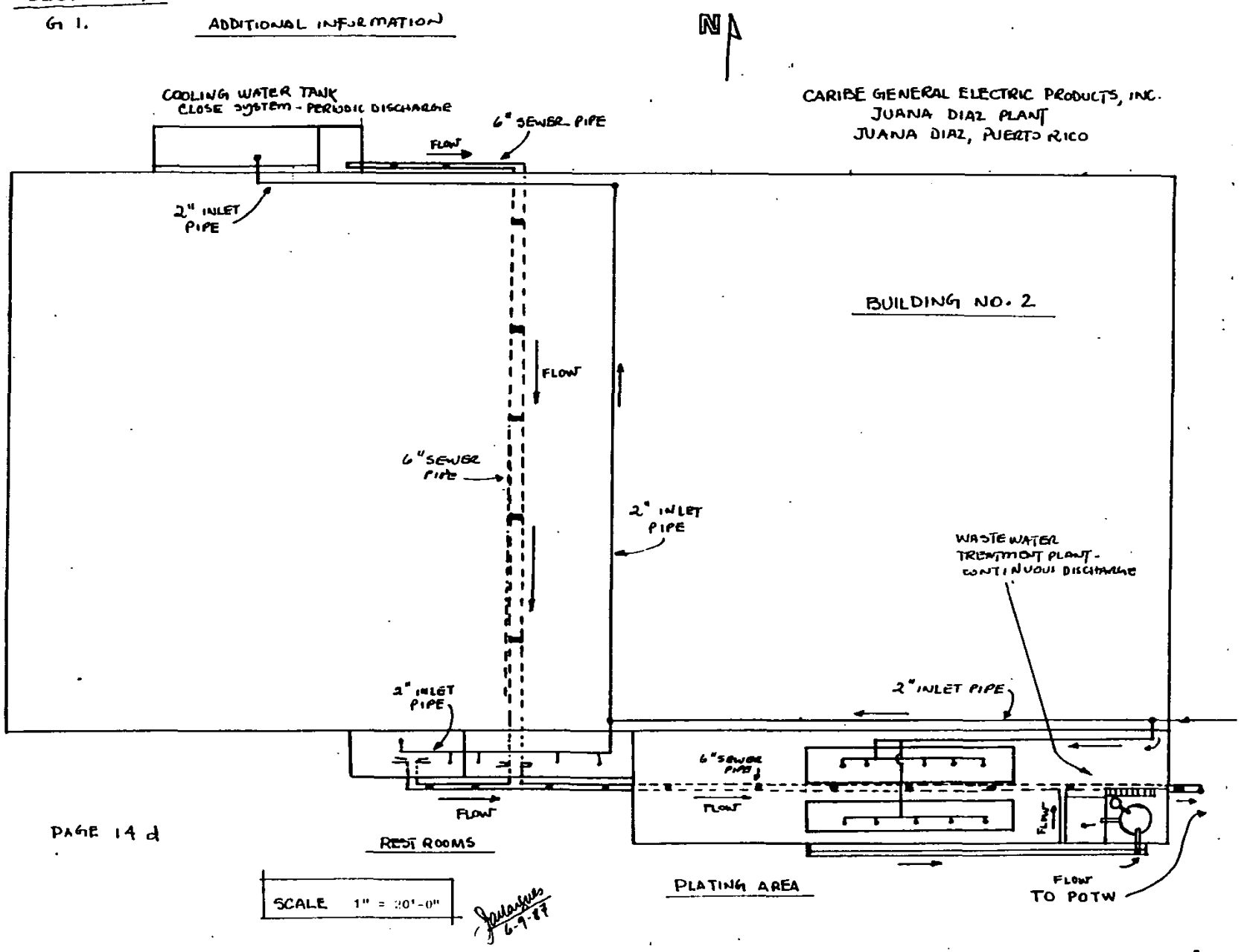
PAGE 14 C

SCALE 1" = 20'-0"

6-9-87

SECTION G

G 1. ADDITIONAL INFORMATION



PAGE 14 d

General Instructions

These Instructions are designed to assist you to complete with reliable information the attached Wastewater Discharge Questionnaire.

The following guidelines are applicable throughout the questionnaire.

1. Define clearly the units of measure.

2. Make use of sketches and flow diagrams wherever possible to clarify information in addition to those places where they are specifically requested.

3. Make use of the most recent chemical analysis to supplement any infomation.

4. If additional page are required to complete a particular item, attach it to the particular section with the proper identification. Mention the continuation in the questionnaire.

5. You can claim particular information that you may consider confidential or trade secret according to section 5.08 Confidential Information of the Rules and Regulations for the Supply of Water and Sewer Services. Please note that discharges to the sewer cannot be claimed confidential.

6. Fill out all spaces, even with an answer like zero, none or not applicalble, as pertinent.

Return the completed, original copy to:

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY
Industrial Waste Control Unit
Pretreatment Program
Hato Rey, P. R. 00923

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY PRETREATMENT PROGRAM INDUSTRIAL SURVEY QUESTIONNAIRE	SECTION A QUESTIONNAIRE
	INSTRUCTIONS

Section A: General Information

A1. Company name is the name of the company used in official business and mail.

A2. Company address is the street, road number where plant is located in the municipality.

A3. Mailing address-where the correspondence should be sent. It may be a parent company.

A4. The authorized company officer is an official with the authority to sign for the company and certify the accuracy of the information provided in official documents.

A5. The person to be contacted on questionnaire should be at a managerial level and or engineer with knowledge and responsibility on wastewater disposal matters. Provide title, phone number and mailing address.

A6. The person to be contacted in case of an emergency should have the decision making authority to be called in case of an emergency on wastewater discharge. Provide the day and night telephones.

A7. Wastewater Discharge Permits PRASA authorizes through a permit the discharge of wastewater into PRASA facilities. These permits are issued for specific periods of time and shall be renewed at its expiration date. Specify the permit number and the date that it was issued.

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Section B: Product Service Information

B1. Industrial Classification- Check on attached list and write the number and the corresponding industry that the company belongs, or that it matches more closely. A complex may have more than one process with various industrial classifications. If the company does not match with any on attached list, number it as "Others" and make your own classification in four words or less.

B2. List the principal products or services of your operation. The Standard Industrial Classification (SIC) number, the rate of production for each product, and the percentage of total production. Specify clearly the units of production: pounds, tons, cubic meters, kg., etc. and the units of time.

B3. Process Description- Submit a detailed description of all the processes used at the plant including the principal steps required to process raw material and convert it to final product or other service activity. Include technical and or trade names ot the raw materials used and chemical reactions. Several descriptions may be required if more than one process is used for various raw materials and end products.

B4. Plans to introduce changes that may alter productions by ± 25% which may result in changes on the volume of wastewater generation. Specify % change and date(s)..

B5. Changes that may alter the chemistry of the prevailing process within next 12 months and the may affect the quantity and quality of wastewaters. If "yes" briefly explain changes including prevailing and new chemicals, reasons for change and effects on wastewater generation.

B6. Substances which may be discharged into sewer including raw materials, intermediate or final products, by-products, aqueous solutions, oils, laboratory wastes (specify) and others. Provide technical and common names.

B7. Provide a list of hazardous materials, corrosive, explosive, flammable, toxic materials that are handled in the plant, including those used for cleaning equipment.

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Section C: Facility Operation

C1. Operational Status - State whether the company is currently in operation or out of business.

C2. Operational Mode - Operations may be either around the clock or during day hours. Specify the scheduled working hours. Consider days working hours within shift.

Batch is here defined as a process which generates intermittent sludges of wastewater that are discharged into the sewer. Several batches may be produced for the same process with a resultant continuous water outflow.

Report the number of batches per working hours period.

C3. Seasonal Variation in Production - Production may vary from constant or nearly constant rates throughout the year or may change due to product demand or other causes.

Provide the information in the corresponding spaces.

C4. Wastewater discharge may be continuous, intermittent, or may have peak periods during the day. Furnish this information in the spaces provided. Include also the clean-up periods during the day, week, month or year of the facility.

C5a. Give the total number of employees normally engaged in the operation and administration of the plant on 24 hours period and that contribute to wastewater generation. Exclude that personnel normally out of plant premises like salesmen, etc.

b. Itemize in the table provided the number of office and operational employees and the working hours.

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Section D: Water Usage and Disposal

D1. Describe briefly each operation that generates and discharges wastewaters at the facility, including process cycles, clean ups. State quantities either measured or estimated.

D2. Some companies have separate internal sewer systems before discharging total wastewater into community facilities. Please, check them.

A sewer may constitute a line or pipe to collect specific streams.

Sewers Description:

Domestic (sanitary) sewer normally receives waters from sanitary discharges like bathrooms, cafeteria and other human related needs.

Process sewer collects water from process equipment like distillation columns, absorbers, reaction vessels, etc. which in turn participates directly in the conversion of raw material into final product. Storm or rain sewer normally collect rain or surface waters.

Some equipment wash waters may be discharge into process sewers mainly during internal clean ups.

D3. Water may be supplied from several sources other than PRASA distribution network.

Wells, even if they are operated by PRASA, may be one of the sources.

GE_CARIBE000601

Sea water may be used for cooling only. Include it also if applicable.

Furnish the supply source, monthly average and the maximum daily supply.

D4. Describe the water treatment given to each of the water sources including chemicals with trade names, amount of chemicals used per day, and the Manufacturer Chemical Co.

D5. Water Usage and Quantity for the Various needs - Water from one source may be used to supply various usages. "Source" refers to D-3.

Domestic water is here defined as the water used for sanitary purposes.

Process water comes in direct contact with process material including cooling, absorbtion, etc., as opposed to indirect contact as in shell and tube heat exchangers or coolers.

Cooling tower water is usually recycled after being cooled in the tower. A quantity is used as make up for evaporation losses and blow down.

Boiler water is used to make up for losses in condensate recovery and blow down.

Plant water is used for cleaning plant facilities and equipment.

Fire water include the water used in the sprinkle system.

D6. Some of the water outflow from the operation may be recycled back to reduce make up requirements and or save product. Describe the recycle process and provide a flow diagram with <u>process</u> flow and quantities, waste-

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water recycled flow and quantities, line sizes, wastewater injection and discharge points, and wastewater in take point (source).

D7. Wastewater Generation - It includes the wastewater streams that discharge directly into the sewer system for final pretreatment or final disposal. Included into these streams or wastewater sources are boiler and cooling tower blowdowns, drains from tanks, columns, lines. Specify the discharge point for each water source including type of sewer per D-2.

D8. Wastewater Pretreatment-Industries may have wastewater pretreatment facilities before these waters are discharged into PRASA facilities or other disposal sites. Describe these facilities. Include volume of water, type,and size of equipment used. Pretreatment may include grease traps, screens, neutralization tanks, sedimentation, etc. Document this item with flow diagram or sketch and efficiency of equipment or inlet and outlet analysis.

D9. Wastewater may be disposed by other non-conventional means like trucks, drums, etc.

Describe the source of the wastewater where and how; the rate of volume generated, transportation means, number of dumps per day, week or month, the hauler name and address; the discharge site, a typical analysis of this wastewater, the permit number and date that it was issued. Explain briefly the reason to dispose of this wastewater by trucking.

D10. Provide a diagramatic water balance with flow diagrams including line sizes, sewer sizes, volume of water through each line and sewer, location of flow measuring facilities, sampling points from water inlets to plant premises to discharge point into PRASA facilities.

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PUERTO RICO AQUEDUCT AND
SEWER AUTHORITY
PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION D
WATER USAGE AND DISPOSAL

Show in the material balance around articular pieces of equipment losses due to evaporation, water carried out by process, drains. Include in the diagram pretreatment facilities.

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Section E: Sludge Generation and Disposal

E1. Type of sludge or solid is here related with or from waste waters.

Describe the type of sludge. The source can be from internal pretreatment operation or from final pretreatment facilities. Describe in brief the process where the solid is generated and how it is separated from the waters.

The rate of volume or weight at which the sludge is generated per day, week or month, specify the period of time.

Transportation means can be by trucks or other means. The procedure is related to loading means into containers like wheel barrow, directly into container from filter press or other source, etc. Also the type of container used: drums, bags, dump trucks, etc.

Provide the hauler name and address.

Discharge site, if the material is incinerated, dumped and where is dumped (location) or if it is shipped.

Provide also a waste characterization including water content and a typical analysis of material.

GE_CARIBE000605

Section F: Spill Prevention Facilities

Are there spill prevention facilities for the plant and where are they located. Facilities can be dikes, trenches, collecting ponds, etc. They can be located around specific units or pieces of equipment like tanks. Describe where are they located and type of facilities and material intended to confine, final disposition of any liquid entrained within this facilities including rain or storm water.

Describe contingency plan in the event of spills.

GE_CARIBE000606

Section G: Priority Pollutant Information

G1. The attached list contains those metals and chemicals that have been classified by EPA as toxic and subject to regulation. Submit any chemical analysis available for each of the waste streams, influent and efluent from pretreatment. Answer with an "X" on the spaces provided, to the best of your knowledge.

Complementary Information

Plot Plan: Provide a "to scale" plot plan of the facilities (in case of a complex it may be provided by plants) of the building, equipment, tanks, etc. that receives and discharge water. Include line sizes, flows, flow direction, location of metering facilities, sampling points, drains, drain sizes and flows, drains discharge points, sewer types, sizes, flows discharge points.

Include also equipment that may not receive water but water entrained in process are drained out either continuously or periodically. Specify quantities either estimated (e) or measured (m).

Indicate in plot plan its relation to North.

GE_CARIBE000607

TABLE I

CONTAINERS, PRESERVATION, AND HOLDING TIMES

MEASUREMENT[a]		CONTAINER[b]	PRESERVATIVE[c]	MAXIMUM HOLDING TIME [d]
1	Acidity	P, G	Cool, 4°C	14 days
2	Alkalinity	P, G	Cool, 4°C	14 days
3	Ammonia	P, G	Cool, 4°C H_2SO_4 to pH<2	28 days
	Bacteria			
4-7	Coliform, fecal and total	P, G	Cool, 4°C 0.008% $Na_2S_2O_3$[h]	6 hours
8	Fecal streptococci	P, G	Cool, 4°C 0.008% $Na_2S_2O_3$[h]	6 hours
9	Biochemical oxygen demand	P, G	Cool, 4°C	48 hours
10	Biochemical oxygen demand carbonaceous	P, G	Cool, 4°C	48 hours
11	Bromide	P, G	None required	28 days
12	Chemical oxygen demand	P, G	Cool, 4°C H_2SO_4 to pH<2	28 days
13	Chloride	P, G	None required	28 days
14	Chlorinated organic compounds	G, teflon-lined cap	Cool, 4°C 0.008% $Na_2S_2O_3$[h]	7 days (until extraction) 30 days (after extraction)
15	Chlorine, total residual	P, G	Determine onsite	2 hours
16	Color	P, G	Cool, 4°C	48 hours
17-18	Cyanide, total and amenable to chlorination	P, G P, G	Cool, 4°C NaOH to pH<2 0.008% $Na_2S_2O_3$[h]	14 hours
19	Dissolved oxygen			
	Probe	G bottle & top	Determine onsite	1 hour
	Winkler	G bottle & top	Fix onsite	8 hours

TABLE I (CONTINUED)

CONTAINERS, PRESERVATION, AND HOLDING TIMES

MEASUREMENT[a]		CONTAINER[b]	PRESERVATIVE[c]	MAXIMUM HOLDING TIME[d]
20	Fluoride	P	None Required	28 days
21	Hardness	P, G	HNO_3 to pH<2	6 months
22	Hydrogen ion (pH)	P, G	Determine onsite	2 hours
23&92	Kjeldahl and organic nitrogen	P, G	Cool, 4°C H_2SO_4 to pH<2	28 days
	Metals[e]			
40-41	Chromium VI	P, G	Cool, 4°C	48 hours
58-90	Mercury	P, G	HNO_3 to pH<2 0.05% $K_2Cr_2O_7$	28 days
24-87	Metals except above	P, G	HNO_3 to pH<2	6 months
88	Nitrate	P, G	Cool, 4°C	48 hours
88(a)[1]	Nitrate-nitrite	P, G	Cool, 4°C H_2SO_4 to pH<2	28 days
89	Nitrite	P, G	Cool, 4°C	48 hours
90	Oil and grease	G	Cool, 4°C H_2SO_4 to pH<2	28 days
91	Organic Carbon	P, G	Cool, 4°C H_2SO_4 to pH<2	28 days
93-206	Organic Compounds[f]			
	Extractables (including phthalatea, nitrosamines organochlorine, pesticides, PCB's, nitroaromatics, Isophorone, polynuclear aromatic hydrocarbons, haloethers, chlorinated hydrocarbons and TCDD)	G, teflon-lined cap	Cool, 4°C 0.008% $Na_2S_2O_3$[h]	7 days (until extraction) 30 days (after extraction)

Priority pollutants as listed by EPA — Table II

Purgeable organics

Acrolein	1,1-Dichloroethylene	Bromoform
Acrylonitrile	1,1,2-Trichloroethane	Dichlorobromomethane
Benzene	1,1,2,2-Tetrachloroethane	
Toluene	Chloroethane	
Ethylbenzene	2-Chloroethyl vinyl ether	
Carbon tetrachloride	Chloroform	Tetrachloroethylene
Chlorobenzene	1,2-Dichloropropane	Trichloroethylene
1,2-Dichloroethane	1,3-Dichloropropene	Vinyl chloride
1,1,1-Trichloroethane	Methylene chloride	1,2-*trans*-Dichloroethylene
1,1-Dichloroethane	Methyl chloride	*bis*(Chloromethyl) ether
	Methyl bromide	

Base/neutral-extractable organics

1,2-Dichlorobenzene	*bis*(2-Ethylhexyl) phthalate	Benzo(k)fluoranthene
1,3-Dichlorobenzene	Di-*n*-octyl phthalate	Benzo(a)pyrene
1,4-Dichlorobenzene	Dimethyl phthalate	Indeno(1,2,3-c,d)pyrene
Hexachloroethane	Diethyl phthalate	Dibenzo(a,h)anthracene
Hexachlorobutadiene	Di-*n*-butyl phthalate	Benzo(g,h,i)perylene
Hexachlorobenzene	Acenaphthylene	4-Chlorophenyl phenyl ether
1,2,4-Trichlorobenzene	Acenaphthene	3,3'-Dichlorobenzidine
bis(2-Chloroethoxy) methane	Butyl benzyl phthalate	Benzidine
Naphthalene	Fluorene	*bis*(2-Chloroethyl) ether
2-Chloronaphthalene	Fluoranthene	1,2-Diphenylhydrazine
Isophorone	Chrysene	Hexachlorocyclopentadiene
Nitrobenzene	Pyrene	N-Nitrosodiphenylamine
2,4-Dinitrotoluene	Phenanthrene	N-Nitrosodimethylamine
2,6-Dinitrotoluene	Anthracene	N-Nitrosodi-*n*-propylamine
4-Bromophenyl phenyl ether	Benzo(a)anthracene	*bis*(2-Chloroisopropyl) ether
	Benzo(b)fluoranthene	

Acid-extractable organics

Phenol	4,6-Dinitro-*o*-cresol	2-Chlorophenol
2-Nitrophenol	Pentachlorophenol	2,4-Dichlorophenol
4-Nitrophenol	p-Chloro-*m*-cresol	2,4,6-Trichlorophenol
2,4-Dinitrophenol		2,4-Dimethylphenol

Pesticides/PCBs

α-Endosulfan	4,4'-DDE	Aroclor 1016
β-Endosulfan	4,4'-DDD	Aroclor 1221
Endosulfan sulfate	4,4'-DDT	Aroclor 1232
α-BHC	Endrin	Aroclor 1242
β-BHC	Endrin aldehyde	Aroclor 1248
δ-BHC	Heptachlor	Aroclor 1254
γ-BHC	Heptachlor epoxide	Aroclor 1260
Aldrin	Chlordane	2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD)
Dieldrin	Toxaphene	

Metals

Antimony	Chromium	Selenium
Arsenic	Copper	Silver
Beryllium	Lead	Thallium
Cadmium	Mercury	Zinc
	Nickel	

Miscellaneous

Asbestos (fibrous)	Total cyanides

APPENDIX

C-3A PERSONAL DISTRIBUTION TABLE

	I	II	III	TOTAL
Shift Hours				
Maintenance				
Administration				
Office				

Grand Total

APPENDIX F

EPA ORDER UNDER THE CLEAN WATER ACT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278

JAN 12 1988

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Leroy Hutzler III
Environmental Engineer
General Electric Company
Wiring Device Department
Km. 67 Carretera 149
Juana Diaz, Puerto Rico 00665

Re: ORDER EPA-CWA-II-88-08
General Electric Company, Wiring Device Department

Dear Mr. Hutzler III:

The United States Environmental Protection Agency (USEPA), Region II, has made a finding that the above-named facility is in violation of the Clean Water Act (33 U.S.C. §1251 et seq.). Enclosed are two (2) originals of ORDER, EPA-CWA-II-88-08 issued pursuant to Section 309 of the Act, which details these findings.

Please acknowledge receipt of this ORDER on one of the originals and return it by mail in the enclosed envelope. Failure to comply with the enclosed Findings and Order may subject the facility to civil/criminal penalties pursuant to Section 309 of the Act. Failure to comply with this ORDER shall also subject the facility to ineligibility for participation in work associated with Federal contracts, grants or loans.

If you have any questions regarding this ORDER, please contact Mr. Patrick M. Durack, Chief, Compliance Section, at (212) 264-9826.

Sincerely yours,

Richard L. Caspe, P.E.
Director
Water Management Division

Enclosures

cc: Tomas Rivera, EQB
Carl Soderberg, PRASA

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION II
26 Federal Plaza
New York, New York 10278

In the Matter of General Electric Company Wiring Device Department Km. 67 Carretera 149 Juana Diaz, Puerto Rico 00665 Proceeding pursuant to §309(a) of the Clean Water Act, 33 U.S.C. §1319(a)	ORDER EPA-CWA-II-88-08

The following ORDER is issued pursuant to the authority vested in the Administrator of the United States Environmental Protection Agency ("EPA") by the Clean Water Act, 33 U.S.C. §1251 et seq. ("the Act"), which authority has been duly delegated to the Regional Administrator of Region II, EPA and since further redelegated to the Director, Water Management Division, Region II, EPA.

FINDINGS

1. The General Electric Company, Wiring Device Department (an "Industrial User") operates a facility involving metal finishing and/or electroplating for the manufacturing of electric wiring devices. The facility is located at Km. 67 Carretera 149, Juana Diaz, Puerto Rico 00665. The process wastewater from this facility is discharged to the Puerto Rico Aqueduct and Sewer Authority.

2. Pursuant to Sections 307(b) and 308(a) of the Act, 33 U.S.C. §§1317(b) and 1318(a), the Administrator of EPA promulgated General Pretreatment Regulations, 40 C.F.R. Part 403.

3. Section 403.12(b) of Part 403 requires that Industrial Users subject to Categorical Standards submit to the Control Authority, within 180 days of the effective date of the Standards, a report containing information about the User and a schedule for compliance when pretreatment is necessary to meet the Standards. The report is referred to as a Baseline Monitoring Report (BMR). The BMR must include, among others:

   a) A description of the nature of the manufacturing operations;

   b) A schematic process diagram indicating points of discharge to the Publicly Owned Treatment Works (POTW) from the regulated processes;

c) The average daily and maximum daily flow from:

(i) Regulated process streams;

(ii) Other streams if necessary to use the combined waste-stream formula, 40 C.F.R. §403.6(e);

d) Identification of the Pretreatment Standards applicable to each regulated process;

e) Sampling and analytical results for each regulated process including:

(i) Results expressed as both daily maximum and average concentration (or mass, where required);

(ii) The time, date and place of sampling, methods of analysis and certification that sampling is representative of normal work cycles and expected discharges to the POTW;

f) A statement, reviewed by an authorized representative of the Industrial User and certified to by a qualified professional indicating whether Pretreatment Standards are being met on a consistent basis and, if not, whether additional operation and maintenance and/or additional pretreatment is required to meet these Standards;

g) In the event that additional pretreatment and/or improved operation and maintenance will be required to meet the Standards, a compliance schedule, for compliance on the shortest schedule, but in any event, no later than the compliance date contained in the applicable Pretreatment Standards.

4. As determined from §403.12(b), the date for submission of the BMR was:

Industry	BMR Due Date
Electroplating	September 26, 1981 (Non-Integrated) June 25 1983 (Integrated) February 25, 1984 (Total Toxic Organics (TTO))
Metal Finishing	February 25, 1984

5. Pursuant to 40 C.F.R. §403.12(d), within 90 days following the final compliance date for the applicable Categorical Pretreatment Standard(s), the Industrial User must submit to the Control Authority a report indicating:

(i) The nature and concentration of all pollutants in the discharge from the regulated processes;

(ii) A statement, signed by an authorized representative of the Industrial User and certified to by a qualified professional, indicating whether there is compliance with the applicable Pretreatment Standards or Requirements and, if not, what additional operation and maintenance and/or pretreatment is necessary for compliance;

(iii) The average and maximum daily flow for these process units.

6. As determined from §403.12(d), the date for submission of the 90 day compliance report was:

For Electroplating	For Metal Finishing
July 26, 1984 (Non-Integrated)	September 28, 1984 (for interim limits on TTO)
September 28, 1984 (Integrated)	October 8, 1985 (interim limits on TTO for Iron and Steel Manufacturers)
October 13, 1986 (TTO)	May 16, 1986 (for final TTO limits, Cyanide and Metals)

7. Pursuant to 40 C.F.R. §403.12(e), any Industrial User subject to a Categorical Pretreatment Standard shall, after the compliance date for the Standard submit to the Control Authority, during the months of June and December, a report which provides:

a) The nature and concentration of pollutants limited by the Categorical Pretreatment Standards;

b) A record of measured or estimated average and maximum daily flows for the reporting period.

8. As determined from §403.12(e) the dates for submission of the periodic reports were:

For non-integrated electroplaters:	June 1984
For all metal finishers and electroplaters:	December 1984
	June 1985
	December 1985
	June 1986
	December 1986
	June 1987

9. Based upon a review of the material retained at the EPA, Region II, the Industrial User failed to submit the pretreatment reports as specified in Paragraphs 4, 6 and 8 above.

The reporting requirements of 40 C.F.R. §403.12 implement Sections 307 (b) and 308(a) of the Act, 33 U.S.C. §§1317(b) and 1318(a). On the basis of the Findings cited above, the Industrial User is in violation of Sections 307 and 308 of the Act.

ORDERED PROVISIONS

In consideration of the above Findings and pursuant to the provisions of Section 309(a) of the Act, the EPA has determined that compliance with the following requirements is reasonable.

IT IS HEREBY ORDERED:

1. That immediately upon receipt of the originals of the ORDER, a responsible official of the Industrial User shall complete the acknowledgement of receipt on one of the originals of this ORDER and return said original to Chief, Water Permits and Compliance Branch, in the enclosed envelope to the address listed below.

2. The Industrial User shall submit, within 30 days of receipt of this ORDER, copies of all reports (BMR, 90-day Compliance Report and periodic reports) required by §403.12, as referenced in Paragraphs 3 through 8 of the Findings.

Pursuant to Section 309(a)(4), an Order relating to a violation of Section 308 of the Act shall not take effect until the person to whom it is issued has had an opportunity to confer with EPA concerning the alleged violations. If the Industrial User wishes to avail itself of this opportunity, it should request a meeting by letter delivered by registered mail or its equivalent to EPA at the address below. The request must be submitted within 14 days of receipt of this Order to be considered by EPA.

Any question concerning this ORDER should be directed to Mr. Patrick M. Durack, Chief, Compliance Section at (212) 264-9826.

All information required to be submitted by this ORDER shall be sent by registered mail or its equivalent to the following addresses:

Chief, Water Permits and Compliance Branch
U.S. Environmental Protection Agency
26 Federal Plaza - Room 845
New York, New York 10278
Attn: Patrick M. Durack

Puerto Rico Aqueduct and Sewer Authority
P.O. Box 7066
Barrio Obrero Station
San Juan, Puerto Rico 00916
Attn: Chief, Pretreatment Program Coordinator

The ORDER does not constitute a waiver from compliance with or a modification of the effective terms and conditions of the Act or its implementing regulations, which remain in full force and effect. This ORDER is an enforcement action taken by EPA to ensure swift compliance with the Act and its implementing regulations.

Dated: 1/12/88

Signed: _____
Richard L. Caspe, P.E.
Director
Water Management Division

APPENDIX G

AIR EMISSIONS PERMIT

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

FS-cr

'87 24 37

29 de julio de 1987

Sr. Robert I. Schauseil
Gerente de Planta
General Electric Co.
Apartado Postal 1D
Juana Díaz, P.R.

ASUNTO: GENERAL ELECTRIC CO.
WIRING DEVICES DEPARTMENT
PFE 39- 0786-0518-I-O

Estimado señor Schauseil:

Me refiero a su solicitud para autorización de la fuente de emisión de epígrafe.

Luego de someterse la documentación necesaria y realizarse la evaluación correspondiente, SE AUTORIZA la operación de la fuente de emisión de referencia en cuanto a contaminación atmosférica respecta. Esta autorización vencerá el día 29 de julio de 1989 y podrá ser revocada antes de esa fecha de tenerse conocimiento de que han variado las condiciones bajo las cuales se otorga o se violen las disposiciones del reglamento vigente aplicable.

Las fuentes de emisión y condiciones que se autorizan con este documento son específicamente las que se detallan en el Anejo A que forma parte de esta autorización.

Deseamos indicar que esta Junta se reserva el derecho de intervenir con dicha fuente en otros aspectos ambientales no cubiertos por esta autorización.

Cordialmente,

JUNTA DE CALIDAD AMBIENTAL

Carlos Vázquez Ayala
Miembro Asociado

Carlos M. Jiménez Barber
Vice-Presidente

Santos Rohena Betancourt
Presidente

FUENTES DE EMISION DE PROCESO INCLUIDAS EN ESTA AUTORIZACION

Proceso	Equipo de Control	Características
Dos máquinas de sandblasting	Colector de polvo	Poseen un motor de 7 HP c/u
Dos hornos	Sistema de extracción Chimenea 15' alto y 8" diámetro	Son utilizados para endurecer las piezas de metal

COMMONWEALTH OF PUERTO RICO/OFFICE OF THE GOVERNOR

Environmental Quality Board

Office Of The Board: 204 Del Parque St., Corner of Pumarada/
Mailing Address: P.O. Box 11488, Santurce, P.R. 00910
Tel: [725-5140] - [Exts. 222 or 227]

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION OPERATION OF EMISSIONS SOURCES IN PUERTO RICO

PART I - GENERAL INFORMATION

[ ] Original [X] Revision No. 1 [Check One]. Date: 24 June 1986

1. Applicant:
   A. Name of project or emission source: Caribe General Electric Products Inc.
   B. Location: Juana Diaz Plant, Juana Diaz, Puerto Rico
   C. Authorized representative for permit application coordination and correspondance:

   Caribe General Electric Products, Inc., Juana Diaz Plant
   Organization

Robert I. Schausell	Plant Manager	837-2500
Name Of Official	Title	Tel. No.

   D. Postal Address: AZ (P. O. Box No.) Juana Diaz, P.R. (Municipality) 00665 (Zipe Code)
2. Purpose of application: [ ]Construction [X]Operation [Check One]
3. Nature of Business: Manufacturer
4. No. of employees at site: 222
5. Annual production [any convenient unit]: 2 million devices
6. Itinerary of normal operations: 8 Hrs./Day, 5 Days/Wk., 12 Mos./Yr.
7. If intermittent operation, frequency:
8. Attach the following documents:
   A. Location map of plant site [projected or existing] indicating neighboring fields and prominent points or structures.
   B. Layout plan of all facilities [projected or existing] indicating clearly all emission source
   C. Plan and specification of the emission source and its control measures or equipment.
   D. Information about any air sampling or monitoring equipment used, intended to be used or owned by applicant, including type, trade mark, method, operation schedule, etc.
9. List all approvals or denials granted by Federal, State or Local agencies for any structure, construction, permit for use or requested number, and sanitary permit:

Type of Permit	Issuing Agency	Identification No.	Date
RCRA	EPA	PRD090282757	11/80

10. Did facility exist, or was it lawfully under construction prior to September 16, 1971?
    [X]Yes [ ]No [Check One]

CERTIFICATION

Application is hereby made for a permits to authorize the activities described herein. I certify that, to the best of my knowledge and belief, such information is true, complete and accurate.

Robert I. Schausell
Signature of Applicant

AFFIDAVIT

Affidavit No.: _____

Sworn and suscribed before me by _____ responsible official of _____ of legal age, civil status _____ and resident of _____.

In _____, Puerto Rico, this _____ day of _____ 198___

_____
Notary Public

FOR ENVIRONMENTAL QUALITY BOARD USE ONLY

Permit issued on _____ Expire on _____ Applicant No. _____

COMMONWEALTH OF PUERTO RICO/
OFFICE OF THE GOVERNOR

Environmental Quality Board

Mailing Address: P.O.Box 11488/Santurce,P.R. 00910
Telephone No.: (725-5140) - (Exts. 222 o 227)

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION OR OPERATION OF EMISSION SOURCES IN PUERTO RICO

PART II - PLANT PROCESS AND EMISSIONS DESCRIPTION

I. Industrial Emissions: -STACK NO. 1

1. Describe process or operation that emits atmospheric contaminants.
   Dust Collector (Wheelabrator No. 1)

2. Raw material used or processed: Molded parts (Type) 2 M/yr. (Quantity) _____ (Unit/Unit Time)

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
Dust Bags	99.99	24 ft.	8 in.	amb °F	83.33 ft./sec.
		ft.	in.	°F	ft./sec.

5. Volume of discharge of emissions: 1.70 cu.ft./min.

6. Emissions: Actual XX Estimated-Based on: Equipment performance by manufacturer

Type of Pollutant	Quantity (wt./unit time)	Duration (time/unit time)
Particulate	below measurable levels	8 hrs/day

7. Attach process flow diagram(block type) showing points,amounts and types of emissions.

II. Emissions from combustion:

1. Combustion equipment: _____ (Type) _____ (BTU/hr.) or _____ (Horsepower)

2. Fuel:

Type	Gals./hr. or	Lbs./hr.	% Sulfur

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
		ft.	in.	°F	ft./sec.
		ft.	in.	°F	ft./sec.

III. Emissions from incineration or waste disposal:

1. Method for disposal of wastes: _____

2. Wastes: Type _____ Quantity _____ lbs/day

3. Incinerator: _____ (type) _____ (Trade Mark) _____ (Capacity) lbs/day

4. Chimney or stack: _____ ft. (Height) _____ in. (Exh.Diam.) _____ °F (Exh. Temp.) _____ ft/sec. (Exh.Veloc.)

5. Auxiliary fuel: _____ (Type) _____ (Gals./hr.) or _____ (Lbs./hr.) _____ (% Sulfur)

6. Control equipment: _____ (Type) _____ (Efficiency) % by wt.

IV. Compliance: Attach data or information showing that emissions will not exceed the established limits.

V. Control Equipment: Attach sketch of any control equipment installation at the emission source.

CERTIFICATION BY AN ENGINEER OR A CHEMIST

I Certify that I am registered and authorized to practice my profession in Puerto Rico; that the equipment and measures for the control of the emission are adequate and comply with the provisions of the Air Pollution Control regulations of the Puerto Rico Environmental Quality Board and that, to the best of my knowledge and belief, the above information is true, complete and accurate'.

License Number _____ Name (Typed) _____ Signature _____

Date _____ Applicant Number: _____

OFFICE OF THE GOVERNOR

Environmental Quality Board

Telephone No.: [725-5180] - [Exts. 222 o 227]

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION OR OPERATION OF EMISSION SOURCES IN PUERTO RICO

PART II - PLANT PROCESS AND EMISSIONS DESCRIPTION

I. Industrial Emissions: STACK NO. 2

1. Describe process or operation that emits atmospheric contaminants.
   Dust Collector No. 2 (Wheelabrator No. 2)

2. Raw material used or processed: Molded parts (Type) 2M/yr (Quantity) ____ (Unit/Unit Time)

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
Dust Bags	99.99	16 ft.	8 in.	amb °F	83.33 ft./sec.
		ft.	in.	°F	ft./sec.

5. Volume of discharge of emissions: 1.70 cu.ft./min.

6. Emissions: Actual XX Estimated-Based on: Equipment performance by manufacturer

Type of Pollutant	Quantity (wt./unit time)	Duration (time/unit time)
Particulates	Below measurable level	8 hrs/day

7. Attach process flow diagram(block type) showing points, amounts and types of emissions.

II. Emissions from combustion:

1. Combustion equipment: ____ (Type) ____ (BTU/hr.) or ____ (Horsepower)

2. Fuel:

Type	Gals./hr. or	Lbs./hr.	% Sulfur

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
		ft.	in.	°F	ft./sec.
		ft.	in.	°F	ft./sec.

III. Emissions from incineration or waste disposal:

1. Method for disposal of wastes: ____

2. Wastes: Type ____ Quantity ____ lbs/day

3. Incinerator: ____ (type) ____ (Trade Mark) ____ (Capacity) lbs/day

4. Chimney or stack: ____ ft. (Height) ____ in. (Exh. Diam.) ____ °F (Exh. Temp.) ____ ft/sec. (Exh. Veloc.)

5. Auxiliary fuel: ____ (Type) ____ (Gals./hr.) or ____ (Lbs./hr.) ____ (% Sulfur)

6. Control equipment: ____ (Type) ____ (Efficiency) % by wt.

IV. Compliance: Attach data or information showing that emissions will not exceed the established limits.

V. Control Equipment: Attach sketch of any control equipment installation at the emission source.

CERTIFICATION BY AN ENGINEER OR A CHEMIST

I Certify that I am registered and authorized to practice my profession in Puerto Rico; that the equipment and measures for the control of the emission are adequate and comply with the provisions of the Air Pollution Control regulations of the Puerto Rico Environmental Quality Board and that, to the best of my knowledge and belief, the above information is true, complete and accurate.

License Number ____ Name [Typed] ____ Signature ____

Date ____ Applicant Number: ____

COMMONWEALTH OF PUERTO RICO
OFFICE OF THE GOVERNOR

Environmental Quality Board

Mailing Address: P.O.Box 11488/Santurce,P.R. 00910
Telephone No.: (725-5140) - (Exts. 222 o 227)

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION OR OPERATION OF EMISSION SOURCES IN PUERTO RICO

PART II - PLANT PROCESS AND EMISSIONS DESCRIPTION

I. Industrial Emissions: STACK NO. 3

1. Describe process or operation that emits atmospheric contaminants.
   Heat treating oven for hardening of die metal parts. Tool Room
   Exception Rule 206, Part C., No. 5

2. Raw material used or processed: Propane (Type) 12 (Quantity) lbs/day (Unit/Unit Time)

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
none		15 ft.	7 in.	atm °F	24.34 ft./sec.
		ft.	in.	°F	ft./sec.

5. Volume of discharge of emissions: 390 cu.ft./min.

6. Emissions: Actual Estimated-Based on:

Type of Pollutant	Quantity (wt./unit time)	Duration (time/unit time)

7. Attach process flow diagram(block type) showing points,amounts and types of emissions.

II. Emissions from combustion:

1. Combustion equipment: _____ (Type) _____ BTU/hr. or _____ Horsepower

2. Fuel:

Type	Gals./hr. or	Lbs./hr.	% Sulfur

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
		ft.	in.	°F	ft./sec.
		ft.	in.	°F	ft./sec.

III. Emissions from incineration or waste disposal:

1. Method for disposal of wastes: _____

2. Wastes: Type _____ Quantity _____ lbs/day

3. Incinerator: _____ (type) _____ (Trade Mark) _____ (Capacity) lbs/day

4. Chimney or stack: _____ ft. (Height) _____ in. (Exh. Diam.) _____ °F (Exh. Temp.) _____ ft/sec. (Exh. Veloc.)

5. Auxiliary fuel: _____ (Type) _____ Gals./hr. or _____ Lbs./hr. _____ % Sulfur

6. Control equipment: _____ (Type) _____ % by wt. (Efficiency)

IV. Compliance: Attach data or information showing that emissions will not exceed the established limits.

V. Control Equipment: Attach sketch of any control equipment installation at the emission source.

CERTIFICATION BY AN ENGINEER OR A CHEMIST

I Certify that I am registered and authorized to practice my profession in Puerto Rico; that the equipment and measures for the control of the emission are adequate and comply with the provisions of the Air Pollution Control regulations of the Puerto Rico Environmental Quality Board and that, to the best of my knowledge and belief, the above information is true, complete and accurate.

License Number _____ Name (Typed) _____ Signature _____

Date _____ Applicant Number: _____

COMMONWEALTH OF PUERTO RICO/
OFFICE OF THE GOVERNOR

Environmental Quality Board

Mailing Address: P.O.Box 11488/Santurce,P.R. 00910
Telephone No.: (725-5140) - (Exts. 222 o 227)

APPLICATION FOR APPROVAL FOR THE CONSTRUCTION OR OPERATION OF EMISSION SOURCES IN PUERTO RICO

PART II - PLANT PROCESS AND EMISSIONS DESCRIPTION

I. Industrial Emissions: STACK NO. 4

1. Describe process or operation that emits atmospheric contaminants.
   Plating Laboratory fumes hood.
   Exception - Rule 206, Part C, No. 4

2. Raw material used or processed: _____ Type _____ Quantity _____ Unit/Unit Time

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
none		20 ft.	3 in.	amb °F	63.58 ft./sec.
		ft.	in.	°F	ft./sec.

5. Volume of discharge of emissions: 184 cu.ft./min.

6. Emissions: Actual Estimated-Based on: _____

Type of Pollutant	Quantity (wt./unit time)	Duration (time/unit time)

7. Attach process flow diagram(block type) showing points,amounts and types of emissions.

II. Emissions from combustion:

1. Combustion equipment: _____ Type _____ BTU/hr. or _____ Horsepower

2. Fuel:

Type	Gals./hr. or	Lbs./hr.	% Sulfur

3. Control equipment for emissions: 4. Chimneys or stacks:

Type	Efficiency % by wt.	Height	Exhaust Diam.	Exhaust Temp.	Exhaust Veloc.
		ft.	in.	°F	ft./sec.
		ft.	in.	°F	ft./sec.

III. Emissions from incineration or waste disposal:

1. Method for disposal of wastes: _____

2. Wastes: Type _____ Quantity _____ lbs/day

3. Incinerator: _____ type _____ Trade Mark _____ Capacity lbs/day

4. Chimney or stack: _____ ft. Height _____ in. Exh.Diam. _____ °F Exh. Temp. _____ ft/sec. Exh.Veloc.

5. Auxiliary fuel: _____ Type _____ Gals./hr. or _____ Lbs./hr. _____ % Sulfur

6. Control equipment: _____ Type _____ Efficiency % by wt.

IV. Compliance: Attach data or information showing that emissions will not exceed the established limits.

V. Control Equipment: Attach sketch of any control equipment installation at the emission source.

CERTIFICATION BY AN ENGINEER OR A CHEMIST

I Certify that I am registered and authorized to practice my profession in Puerto Rico; that the equipment and measures for the control of the emission are adequate and comply with the provisions of the Air Pollution Control regulations of the Puerto Rico Environmental Quality Board and that, to the best of my knowledge and belief, the above information is true, complete and accurate.

_____ License Number _____ Name (Typed) _____ Signature

Date _____ Applicant Number: _____

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental Quality Board

FEE FORM

Date: 24 June 1986

Application Number: --

Name of Applicant: -- Robert I. Schauseil

Title: -- Plant Manager

Name of Project or Emission Source: -- Caribe General Electric Products, Inc.

Postal Address: -- Box AE

Juana Diaz, Puerto Rico 00665

1. Filing Fee	-- [$15.00]	--------	15.00
2. Permit Fee			
A. Motor Horse Power	-- [See Back]*	--------	10.00
B. Fuel Burning Equipment	-- [" "]*	--------	---
C. Electrical Energy	-- [" "]*	--------	---
D. Incinerator	-- [" "]*	--------	---
E. Stationery Container	-- [" "]*	--------	---
3. Mayor Sources of Modification [1.5 amount determined from sect. A. to E.]	--	--------	---
4. Miscellaneous	-- [$25.00]	--------	---
5. Renewal Fee			
A. Minor Sources	-- [50% of permit fee]	--------	5.00
B. Mayor Sources	-- [65% of permit fee]	--------	---
6. Permit Fee Exceptions	-- [$25.00]	--------	---
7. Transfer of Ownership or Change of Location Fee	-- [50% of permit fee]	--------	---
8. Revision Fee	-- [1/8 of permit fee]	--------	---
9. Duplicate Permits or Approval	-- [$10.00]	--------	---
		TOTAL --	30.00

[PARA USO DE LA JUNTA DE CALIDAD AMBIENTAL]

Recibido en Programa Calidad de Aire: _____

Cotejado por: _____

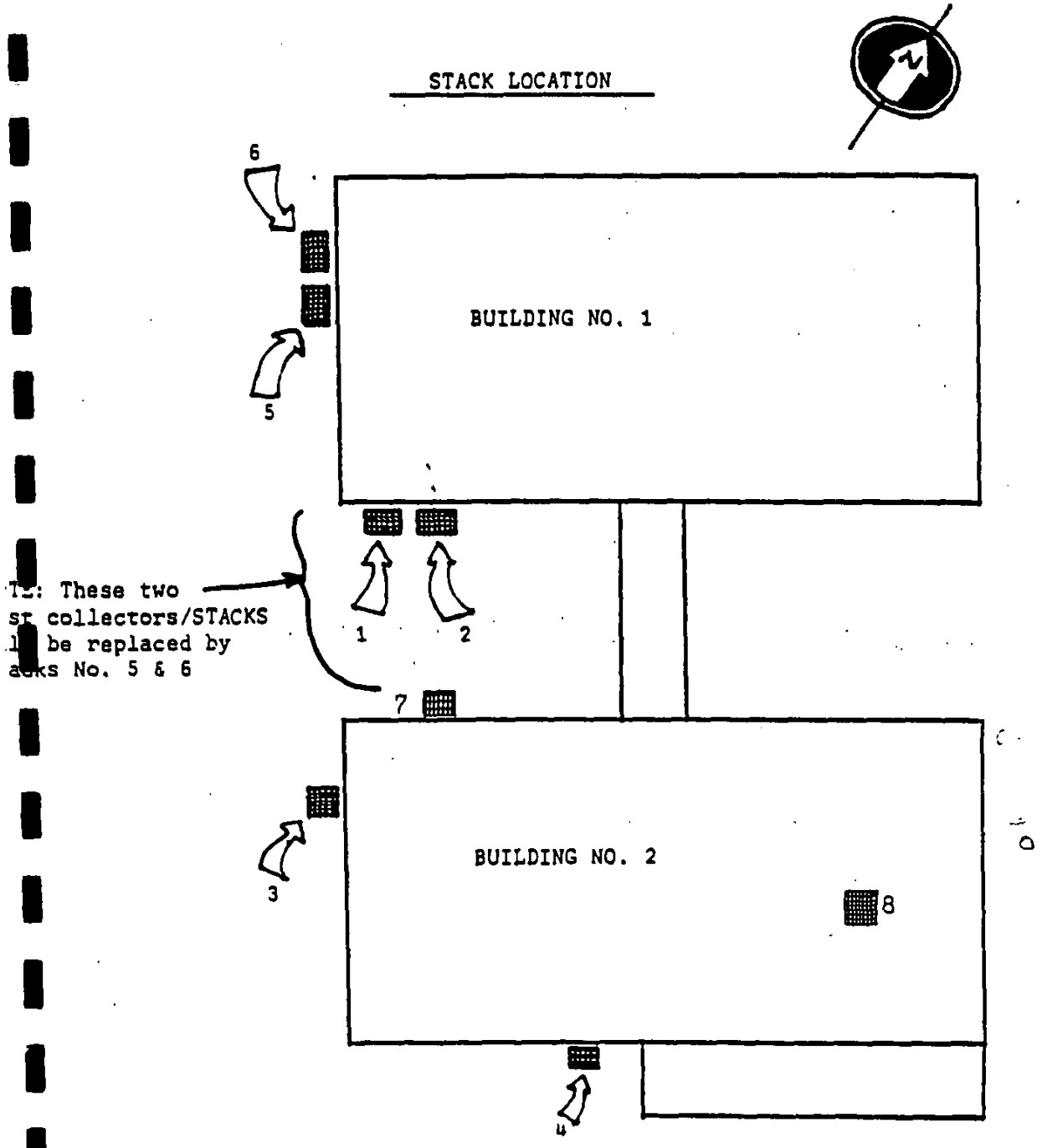
Cantidad: $_____ Valor recibido:

☐ Cheque

☐ Giro

Recibido en División de Finanzas: _____

STACK LOCATION



TE: These two
st collectors/STACKS
l be replaced by
acks No. 5 & 6

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX A.E.
JUAN[illegible] 00665

APPENDIX H

REVISED PART A PERMIT APPLICATION

Morgan

EPA

Official Business
Penalty for Private Use
$300

First-C[illegible]ail
Postage [illegible] Fees Paid
EPA
Permit No. G-35

United States
Environmental Protection
Agency (WH-563)

Washington, DC 20460

PR0090282757
GENERAL ELECTRIC CO WIRING DEV
PO BOX D
JUANA DIAZ PR 00665

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

ACKNOWLEDGEMENT OF APPLICATION FOR A HAZARDOUS WASTE PERMIT

This is to acknowledge that the Environmental Protection Agency has received: (1) A notification pursuant to Section 3010 of the Resource Conservation and Recovery Act for the facility with the EPA Identification Number shown on the front of this postcard; and (2) Part A of a Hazardous Waste Permit Application for that facility, including a signed statement that the operation of the facility, or its construction, began prior to November 19, 1980. While the information provided by these submissions has not been fully reviewed for completeness or accuracy, EPA will accept this information as an initial qualification for interim status pursuant to Section 3005 of the Act. If after further review of this information, EPA determines that the owner or operator did not fulfill all the requirements for interim status, EPA may treat the owner or operator as not having qualified for interim status pursuant to that section and will advise the owner or operator of that determination. Facility owners and operators with interim status must comply with the standards set forth at 40 CFR Part 265 until a permit is issued. Interim status may be terminated if the owner or operator fails to furnish any additional information requested by EPA in order to process a permit application.

EPA Form 3510-3A (12-80)

JUNCOS, PR
JAN 4
1981

REVISED 12-29-86
BY: J. MARQUES

FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F PRD090282757

LABEL ITEMS

I. EPA I.D. NUMBER

FACILITY NAME

V. FACILITY MAILING ADDRESS

I. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been [illegible] it in the designated space. Review the [illegible] ation carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. [illegible] the preprinted data is [illegible] left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need [illegible] items I, III, V, and VI [illegible] must be completed regardless [illegible] items if no label has been provided [illegible] the instructions for [illegible] tions and for the legal [illegible] which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK "X" YES	MARK "X" NO	MARK "X" FORM ATTACHED	SPECIFIC QUESTIONS	MARK "X" YES	MARK "X" NO	MARK "X" FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (*either existing or proposed*) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (*other than those described in A or B above*) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP: CARIBE GENERAL ELECTRIC PRODUCTS, INC.

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 ROBLES, HERIBERTO - MGR- MFG - TECH.	809 837 2500

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 P.O. BOX 1430

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 JUANA DIAZ	PR	00665

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 STATE RD. 149, KM. 67

B. COUNTY NAME

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)

CONTINUED FROM THE FRONT

SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
643 (specify) ELECTRICAL MACHINERY MANUFACTURER	7 (specify)
C. THIRD	**D. FOURTH**
(specify)	7 (specify)

III. OPERATOR INFORMATION

A. NAME: CARIBE GENERAL ELECTRIC PRODUCTS, INC.

B. Is the name listed in Item VIII-A also the owner? ☐ YES ☒ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL, M = PUBLIC (other than federal or state), S = STATE, O = OTHER (specify), P = PRIVATE

P (specify)

D. PHONE (area code & no.): A 809 837 2500

E. STREET OR P.O. BOX: P.O. BOX 1430

F. CITY OR TOWN: BAYAMON

G. STATE: PR

H. ZIP CODE: 00665

IX. INDIAN LAND
Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9 N	9 P
B. UIC (Underground Injection of Fluids)	**E. OTHER (specify)**
9 U	9 (specify)
C. RCRA (Hazardous Wastes)	**E. OTHER (specify)**
9 R	9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

ENGAGED IN THE MANUFACTURE OF ELECTRICAL WIRING DEVICES.

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Eduardo L. Buso General Counsel & Asst. Secretary	E. L. Buso	8/21/87

COMMENTS FOR OFFICIAL USE ONLY

NO. 38

PRD090282757

INDUSTRIAL SITE

MUN. JUANA DIAZ

BARRIO URBAN ZONE

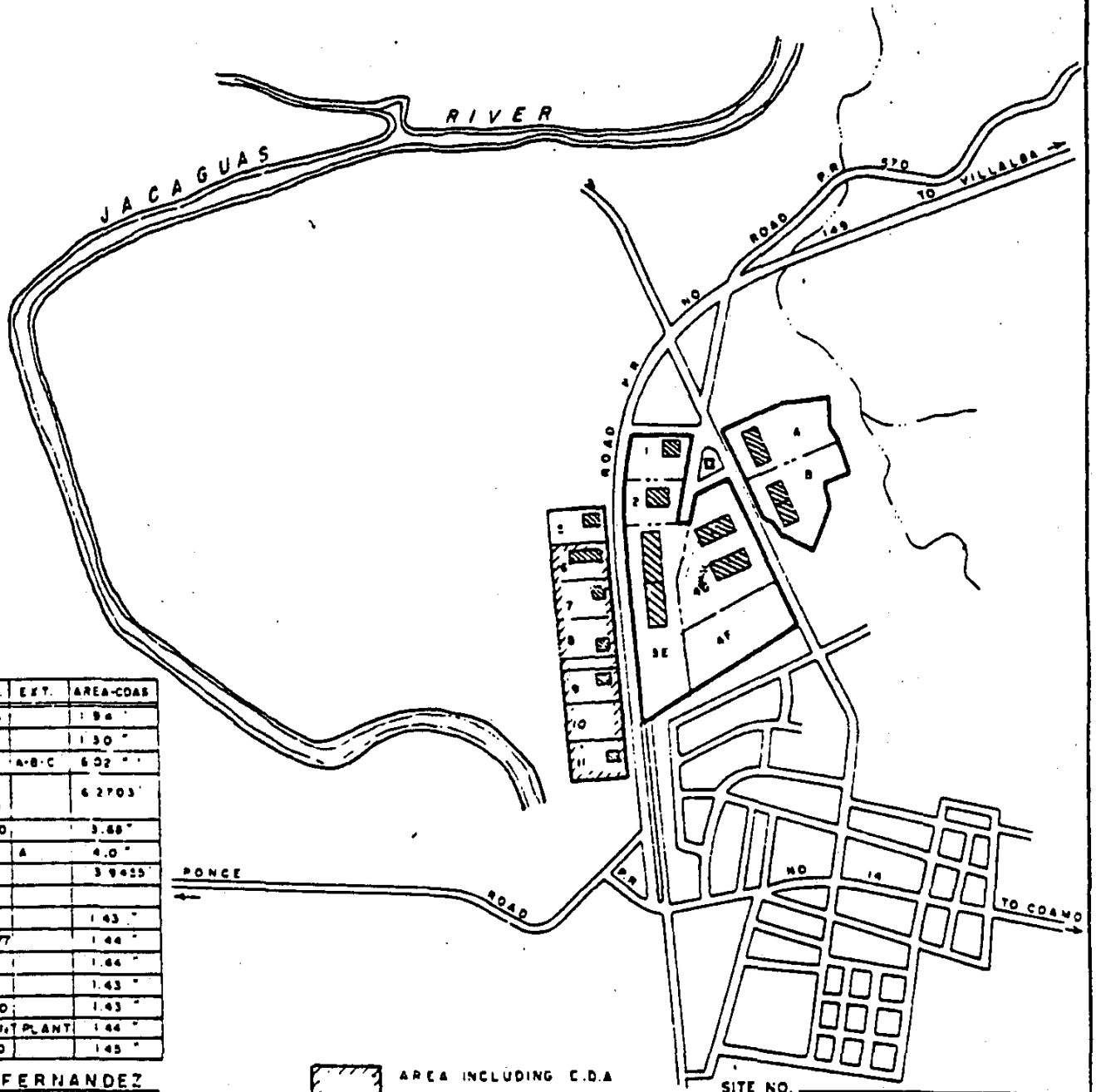
DATE JULY 29 '69

NUMBER JD - 1

LOCATION PLAN

L-75-56
L-196-60
L-75(A)62

PRIDCO PROPERTY



LOT	BLDG. NO.	EXT.	AREA-CDAS
	S-328-56		1.94
	6-470-58		1.30
3E	T-594-62	A-B-C	6.02
	S-299-56 S-254-60		6.2703
A	S-529-60		3.68
B	1-59-51	A	4.0
			3.9455
5	T-775-66		1.43
6	UMF1206-77		1.44
	T-862-68		1.44
	T-931-68		1.43
9	T-1010-70		1.43
10	TREATMENT PLANT		1.44
	T-1001-70		1.45

DRAWN D FERNANDEZ

CHECKED

AREA INCLUDING C.D.A PROJECTS 01-0-00315
01-51-26226

SITE NO.

SCALE 1:10,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. - PLANNING DEPT. - SAN JUAN, P.R.

CARIBE

GE_CARIBE000633

FORM 3 RCRA

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

F P R D 0 9 0 2 8 2 7 5 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

YR. | MO. | DAY

☐ 2. NEW FACILITY *(Complete item below.)*

FOR NEW FACILITIES PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR. | MO. | DAY

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

☒ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. **PROCESS CODE** – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. **PROCESS DESIGN CAPACITY** – For each code entered in column A enter the capacity of the process.
1. AMOUNT – Enter the amount.
2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	S
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S01	8250 (MAX)	G		7				
2					8				
3					9				
4					10				

CE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE LUDE DESIGN CAPACITY.

DESCRIPTION OF HAZARDOUS WASTES

EPA HAZARDOUS WASTE NUMBER – Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you ndle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the characteris- s and/or the toxic contaminants of those hazardous wastes.

ESTIMATED ANNUAL QUANTITY – For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handled ich possess that characteristic or contaminant.

NIT OF MEASURE – For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

t facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into count the appropriate density or specific gravity of the waste.

. PROCESSES

1. PROCESS CODES:
   For listed hazardous waste: For each listed hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.
2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

OTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
   Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* – A facility will treat and dispose of an estimated 900 pounds er year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wastes re corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 0 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K054	900	P	T03 D80	
X-2	D002	400	P	T03 D80	
X-3	D001	100	P	T03 D80	
X-4	D002				included with above

...tinued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
P R D 0 9 0 2 8 2 7 5 7	W DUP 2 DUP

DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F 0 0 6	12.0	T	S 0 1	
2	D 0 0 7	1.0	T	S 0 1	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

DESCRIPTION OF HAZARDOUS WASTES *(continued)*

USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. *(enter from page 1)*

P	R	D	0	9	0	2	8	2	7	5	7		6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*
18 05 030	066 30 030

VIII. FACILITY OWNER

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*
E PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (PRIDCO)	809-758-4747

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F GPO BOX 2350	G SAN JUAN	PR	00936

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
ANGEL J. COLON	Angel J. Colón	10/6/87

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

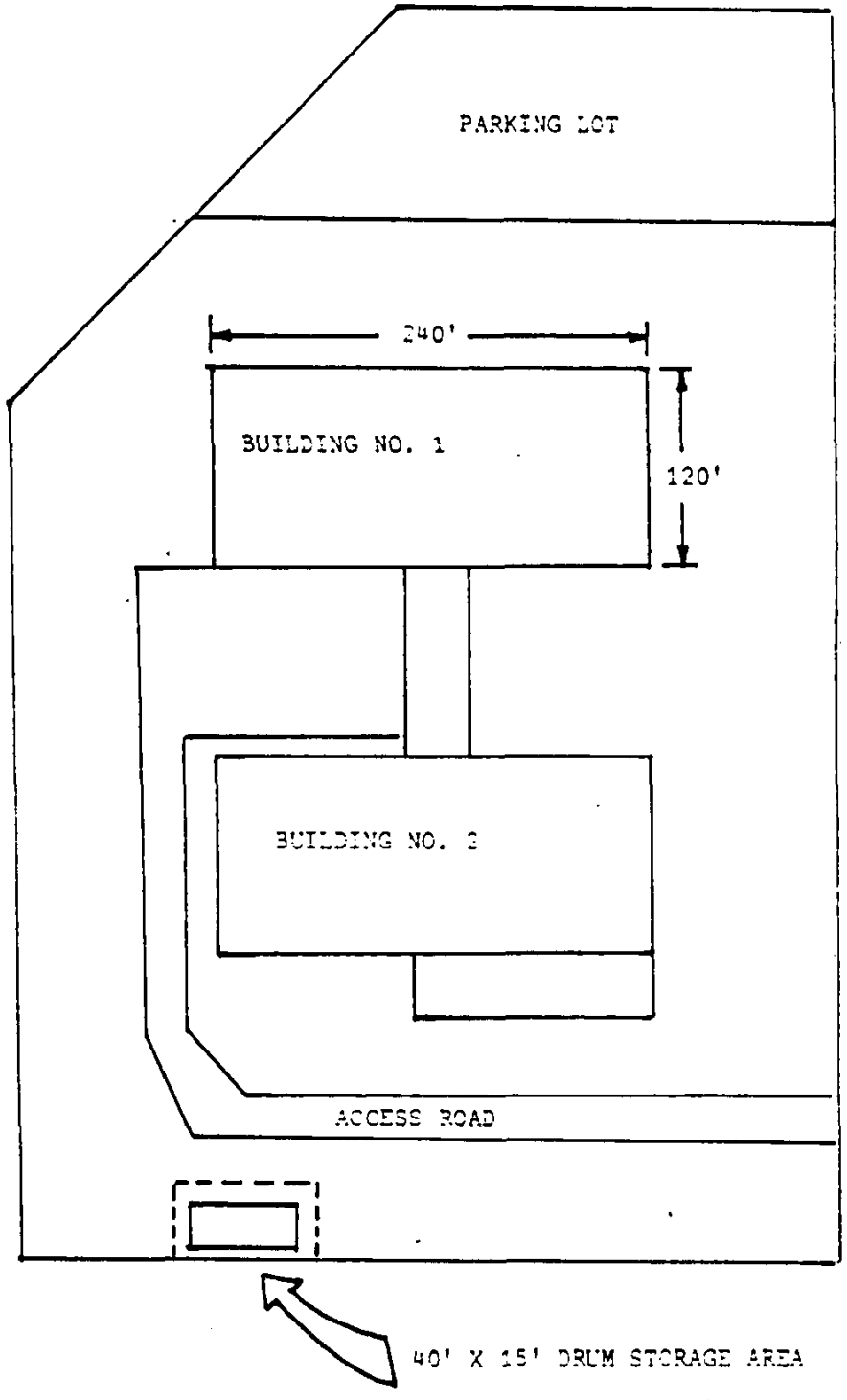
A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
Eduardo L. Buso	E L Buso	8/21/92

PRD090282757

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX A.E.
JUANA DIAZ, P.R. 00665

LOCATION OF "DRUM STORAGE AREA"

WITHIN THE COMPANY BOUNDARIES



PRD090282757

CARIBE
GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT
P.O. BOX A.E.
JUANA DIAZ, P.R. 00663

APPENDIX I

PULSE SUMMARY REPORT

[redacted] JUANA DIAZ PLANT [redacted] 1 of 4 [redacted]

OCCUPATIONAL MEDICINE MODULE

UNIT	REFERENCE SECTION	ITEM	PAGE	DEFICIENCY	ESTIMATE	COST	MAN-HOURS	PRIORITY	COMPLETION	COMMENTS
ADMINISTRATION	ORGANIZATION	1.2/3C	1-2	FIRST AIDERS	5-26		4			COMPLETE
"	"	1.2/10	1-3	CERTIFICATION	5-26		4			COMPLETE
"	"	1.2/12D	1-4	BULLETINS	5-26		4			Complete
	PROGRAM, POLICIES	1.3/3B,C	1-5	SIGNATURE AND REVIEW	5-26		8			Complete
"	"	1.3/5	1-6	INFORMATION/IMPLEMENTATION	5-26		4			Complete
"	"	1.3/11	1-8	HEALTH ENHANCEMENT	6-30		4			Complete
MEDICAL RECORDS	GENERAL	2.0/6	2-2	TRANSFER OF RECORDS	5-26		2			COMPLETE
MEDICAL FACILITIES	GENERAL	3.0/1A	3-1	SIZE OF FACILITY	8-31		-			
"	"	3.0/2A-C	3-1	LOCATION OF FACILITY	8-31		-			Complete
"	"	3.0/3B,C	3-2	FUNCTIONS	8-31		4			
"	"	3.0/5A,B	3-2	EMPLOYEE ASSIST. PROGRAM	8-31		4			
EQUIPMENT/SUPPLIES	MEDICAL SUPPLIES	4.2/1A,B	4-3	PROGRAM AND IDENTIFICATION	5-26		8			Complete
EVALUATION/TESTING	GENERAL	5.1/1B,E	5-2	EXAMINATIONS	5-26		4			COMPLETE
"	PRE-PLACEMENT	5.2/5E,F	5-3	VISION TESTING, X RAY	5-26		4			New promise 8-31
"	MEDICAL SURVEILLANCE	5.4/2A-E	5-4	YEARLY EXAMINATIONS	5-26		4			8-31
"	"	5-4/3-5	5-5	SPECIAL EXAMINATIONS	5-26		4			8-31
"	TEMINATIONS EXAM	5.5/1	5-6	TERMINATION EXAMS	5-26		4			8-31

MAY 26 1989

(1-56)

[redacted]01/80 [redacted] DEF[redacted]ES [redacted]

JUANA DIAZ PLANT

2 of 4

INDUSTRIAL SAFETY MODULE

UNIT	REFERENCE SECTION	ITEM	PAGE	DEFICIENCY	ESTIMATE	COST	MANHOURS	PRIORITY	COMPLETION	COMMENTS
SAFETY AWARENESS	CONTRACTOR SAFETY	3.5/1-3	3-6	CONTRACTOR SAFETY	5-26		8			~~IN PROCESS~~ complete
WORKING SURFACES	WORKING SURFACES	5.1/5A,B	5-1	LOAD CAPACITIES	6-3		8			
"	PORTABLE LADDERS	5.3/2A,B	5-3	MAINTENANCE/INSPECTION	5-26		8			COMPLETE
HAZARDOUS MATERIAL	COMPRESSED GASES	6.1/1	6-1	PROCEDURES	5-26		8			COMPLETE
"	"	6.1/3	6-1	INSPECTION	5-26		4			COMPLETE
"	"	6.1/6A	6-1	SIGNS	5-26		2			COMPLETE
"	"	6.1/6C	6-1	LOCATION	5-26		2			COMPLETE

[redacted] 26 1989

7

3 of 4

01/01/80

JUANA DIAZ PLANT

PULSE DEFICIENCIES PAGE 1

INDUSTRIAL HYGIENE MODULE

UNIT	REFERENCE SECTION	ITEM	PAGE	DEFICIENCY	ESTIMATE	COST	MANHOURS	PRIORITY	COMPLETION	COMMENTS
GENERAL ADMIN	PROGRAMS AND PROCEDURES	1.3/1B	1-2	GOALS MEASUREMENT	6-30		8			
"	"	1.3/4B,C	1-3	APPROVAL OF PROCEDURES	6-30		2			
HAZARD AWARENESS	EMPLOYEE INFORMATION	2.6/6B	2-9	ALARMS	5-26		4			COMPLETE
EMPLOYEE TRAINING	EMPLOYEE TRAINING	3.1/4	3-2	CONTRACTOR/DOCUMENTATION	5-12		8			~~IN PROCESS~~ Complete
AIRBORNE MONITORIN	MONITORING RESULTS	4.3/5,6	4-3	EXPOSURE	4-28		4			COMPLETE
RESPIRATORY PROT.	RESPIRATORY PROTECTION	8.1/5	8-1	TRACKING EMPLOYEES	4-28		4			COMPLETE
"	"	8.1/9A-C	8-3	MAINTENANCE AND INSPECTION	4-28		4			COMPLETE

MAY 26 1989

[redacted]/01/[redacted] [redacted]SE D[redacted]IES [redacted]

JUANA DIAZ PLANT

4 of 6

ENVIRONMENTAL MODULE - GENERAL SECTION

UNIT	REFERENCE SECTION	ITEM	PAGE	DEFICIENCY	ESTIMATE	COST	MANHOURS	PRIORITY	COMPLETION	COMMENTS
RISK MANAGEMENT	INVENTORY MINIMIZATION	2.1/4	2.1	MINIMIZATION PROGRAM	4-28		8			COMPLETE
"	"	2.1/7	2-3	ACCOUNTING	4-28		8			COMPLETE
"	PEP	2.3/1	2-4	RISK ASSESSMENT	7-21					
"	"	2.3/2	2-5	EMERGENCY RESPONSE PLAN	7-21					
"	"	2.3/3	2-5	RISK EVALUATION, TRAINING	7-21					
"	"	2.3/4	2-5	RELATIONS WITH COMMUNITY	7-21					

MAY 26 1989

[redacted]NA[redacted]Z P[redacted]

ENVIRONMENTAL MODULE - AIR QUALITY

UNIT	REFERENCE SECTION	ITEM	PAGE	DEFICIENCY	ESTIMATE	COST	MANHOURS	PRIORITY	COMPLETION	COMMENTS
AIR PERMITS	AIR PERMITS	1.0/7A-C	1-2	PROCEDURES/COMPLIANCE	4-14		2			Complete

MAY 26 1989

MAY 26 1989

GE_CARIBE000645

APPENDIX J

NOISE SURVEY

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

AUG 24 1988

TO : H. ROBLES

FROM : J. MARQUES Jau

SUBJECT : NOISE SURVEY - GE JUANA DIAZ PLANT
TAKEN ON AUGUST 23, 1988

A noise survey was taken of the Juana Diaz Plant to comply with OSHA Rule 1910.95 that requires an annual survey. The equipment used was an Edmont-Wilson Sound Level Meter #60-510.

Attached you will find the report for Buildings No. 1 and No. 2.

The noise levels in the Presses area, Bldg. No. 2, can be reduced by the use of poppet valves and, depending on the size and configuration of the metal part, the right amount of air to expell it from the die. Reduction of noise in this area will help reduce the noise in other areas as well.

In any area that has a noise level of 90 dB or more, the employees have to use hearing protectors.

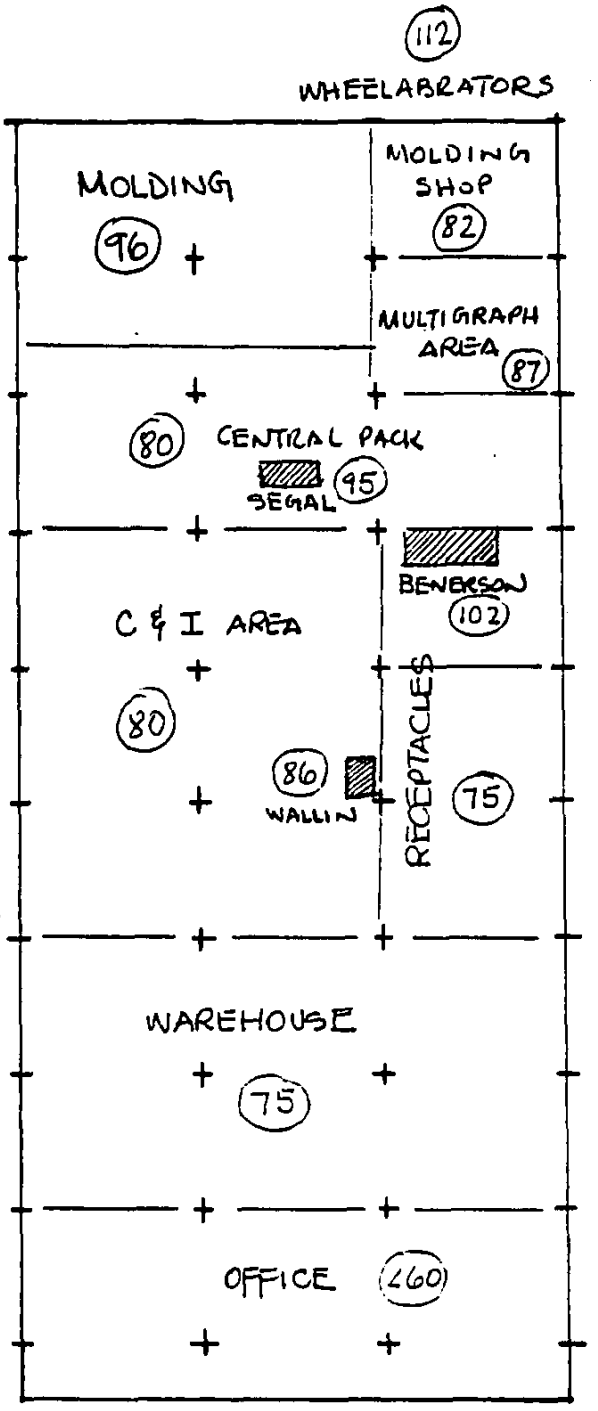
CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

AREAS

OFFICE <60 dB
WAREHOUSE - 75 dB
C & I AREA - 80 dB
RECEPTACLES - 75 dB
MOLDING - 96 dB
CENTRAL PACK - 80 dB
MOLDING SHOP - 82 dB
MULTIGRAPHS - 87 dB
WHEELABRATORS - 112 dB

INDIVIDUAL WORKSTATIONS

SEGAL - 95 dB
BENERSON - 102 dB (EST)
WALLIN - 86 dB



BUILDING NO. 1 2

NOISE SURVEY

PREPARED BY: J. MARQUES

DATE AUG 23 1988

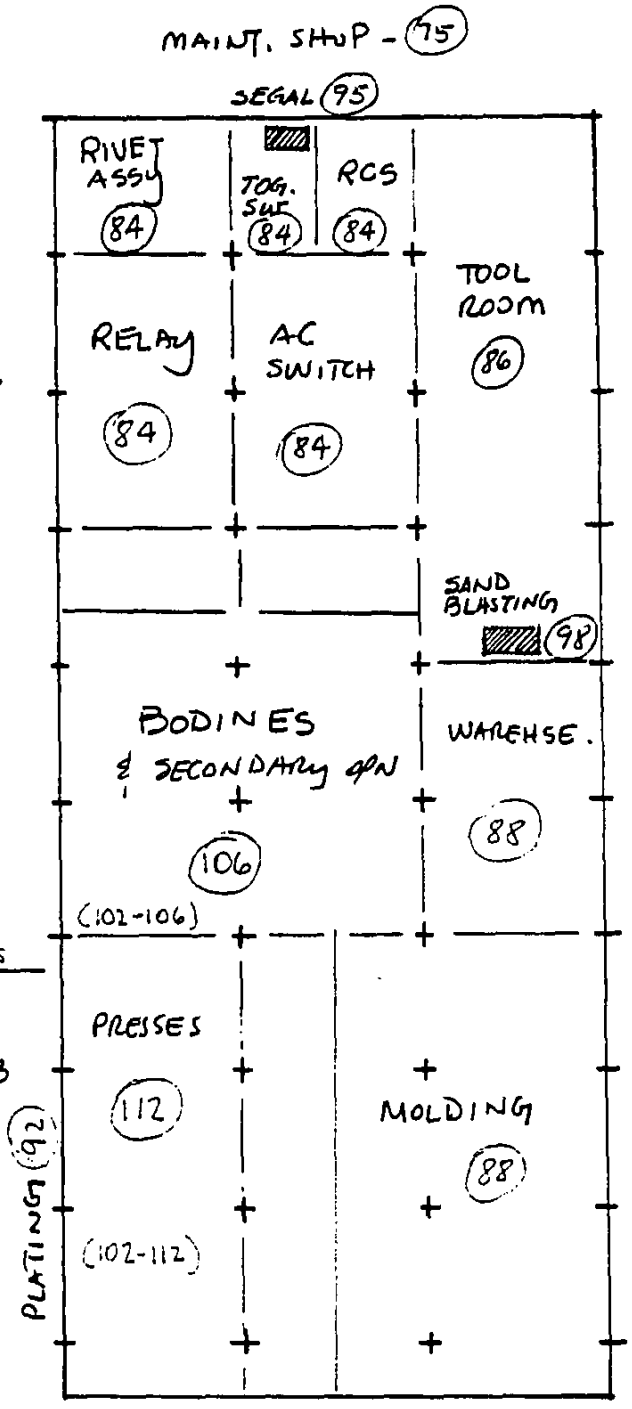
CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

AREAS

RIVET ASSY - 84 dB
TOGGLE SWITCH - 84 dB
RCS - 84 dB
RELAY - 84 dB
AC SWITCH -
TOOL ROOM - 86
BODINES - 106 dB
WAREHOUSE - 88 dB
MOLDING - 88 dB
PRESSES - 112 dB
MAINT. SHOP - 75 dB
PLATING - 92 dB

INDIVIDUAL WORK STATIONS

SEGAL - 95 dB
SAND BLASTING - 98 dB



BUILDING NO. 1 (2)

NOISE SURVEY

PREPARED BY: J. MARQUES

DATE AUG 23 1988

APPENDIX K

DOCUMENTS SUBMITTED TO EPA UNDER SUPERFUND INFORMATION REQUEST

INTERNATIONAL
GENERAL ELECTRIC
PUERTO RICO INC.

MAIN OFFICES
1000 MUÑOZ RIVERA AVE.
RIO PIEDRAS

CABLE ADDRESS
"INGELEC" SAN JUAN
MAIL ADDRESS
P. O. BOX 1000, HATO REY 00919

IN REPLY REFER TO

11 October 1979

PRIVATE

Mr. Leo Feliu, Industrial Hygienist
Contractor Equipment Business Division
General Electric Company
1285 Boston Avenue
Bridgeport, Conn. 06602

Juana Diaz Plant
Soil Evaluation Samples

Dear Leo:

The mentioned samples were taken on October 5, 1979 as instructed. The following is pertinent:

1) Samples 1- 20 were taken at the old disposal area (see enclosed sketch).

2) Samples 21 - 26 were taken at the old reclaim area (see enclosed sketch).

3) Samples 24 - 25 - 26 in reclaim area were taken in the same spot but at different depths. (2 inches, 6 inches, 12 inches, respectively).

4) Sample 24 mercury content will be high (see next paragraph for description.

5) All soil samples moisture content will be high becouse it rained previous to sample taking.

A two inch layer of contaminated soil was found while taking sample 24. Immediate removal of contaminated soil was instructed; for further assurance, an area of 8' x 4' x 2" was removed. (See enclosed sketch marked in red). Below the two-inch layer (loose soil) we found compact soil where no mercury could be seen. (All this was visual inspection.

a

Since mercury is so difficult to collect, we decided to collect any other remaining mercury with the vacuum cleaner used in Ponce Operation. A concrete apron will be built in the same area. (HgX will be spread on top of ground after vacuum cleaning operation). In the meantime, proper investigation of how the mercury got there is being carried out.

By the way, Mr. Robert Schauseil, new President for GE Wiring Devices of Puerto Rico, is very concerned about this and any other health and hygiene subjects and offered me all his help and support.

Should further sampling be done, please let me know. Hope to see you soon.

Very truly yours,

Salange I. Figueroa

Salange I. Figueroa

SIF:cvc
Encl.

cc: E.A. Casellas
R. Schauseil

REGISTRATIONS:
AIR [redacted] O. 4[redacted]
CLIA - 06 1029
CONN. - CL0146

FORM NO : EHL - 3 (10/77)

GENERAL ELECTRIC
CORPORATE ME[redacted]AL OPERATION
ENVIRONMENTAL HEALTH LABORATORY

SERIAL # [redacted]
CHARGE ____
DATE ____

ENVIRONMENTAL MONITORING ANALYTICAL SERVICES REQUEST FORM

COMPONENT/MAILING ADDRESS: BRIDGEPORT, CONNECTICUT

BILLING PT./DEPT BILLED TO: WIRING DEVICES OF PUERTO RICO, PONCE, P.R.

AUTHORIZED BY:

REPORT TO: MR LEO FELIU

DIAL COMM:

INTERFERENCES:

SPECIAL HANDLING INSTRUCTIONS:

SAMPLING MEDIA (CHECK TYPE): ☐ CHARCOAL TUBE ☐ FILTER ☐ IMPINGER ☒ OTHER ____

SAMPLING INSTRUMENT(S): ☐ PERSONAL PUMP ☐ HI VOL ☐ ESPPT. TYPE ____ ☐ SERIAL # ____ ☒ OTHER GROUND SAMPLES

PROCESS CONDITIONS: VENTILATION N/A OTHER ____

PROTECTIVE EQUIPMENT: N/A

SHIFT:

PERSONNEL: NUMBER AT OPERATION N/A HOURS EXPOSURE N/A OTHER ____

FIELD NO.	LAB NO.	DATE SAMPLED	VOLUME	RATE TIME	SAMPLE INFORMATION	ANALYSIS REQUESTED	RESULTS	BY	REMARKS & CALCULATIONS
1		10-05-79	N/A	N/A	OLD DISPOSAL AREA.	MERCURY CONTENT			LOW MERCURY CONTENT EXPECTED
2		10-05-79							
3		10-05-79							
4		10-05-79							
5		10-05-79							
6		10-05-79							
7		10-05-79							
8		10-05-79							
9		10-05-79							
10		10-05-79							
11		10-05-79							
12		10-05-79							
13		10-05-79							

[redacted]
AIHA - NO 41
CLIA - 06 1029
CONN. - CLO146

CORPORATE ME[redacted]CAL OPERATION

ENVIRONMENTAL HEALTH LABORATORY

FORM NO. : EHL - 3 (10/77)

ENVIRONMENTAL MONITORING ANALYTICAL SERVICES REQUEST FORM

[redacted] #[redacted]

CHARGE ____

DATE ____

COMPONENT/MAILING ADDRESS: BRIDGE PORT CONNECTICUT

BILLING PT./DEPT BILLED TO: PONCE, P.R WIRING DEVICES OF PUERTO RICO

AUTHORIZED BY:

REPORT TO: MR. LED FELIU

DIAL COMM:

INTERFERENCES:

SPECIAL HANDLING INSTRUCTIONS:

SAMPLING MEDIA (CHECK TYPE): ☐ CHARCOAL TUBE ☐ FILTER ☐ IMPINGER ☒ OTHER GROUND SAMPLES

SAMPLING INSTRUMENT(S): ☐ PERSONAL PUMP ☐ HI VOL ☐ ESPPT. TYPE ____ ☐ SERIAL # ____ ☐ OTHER

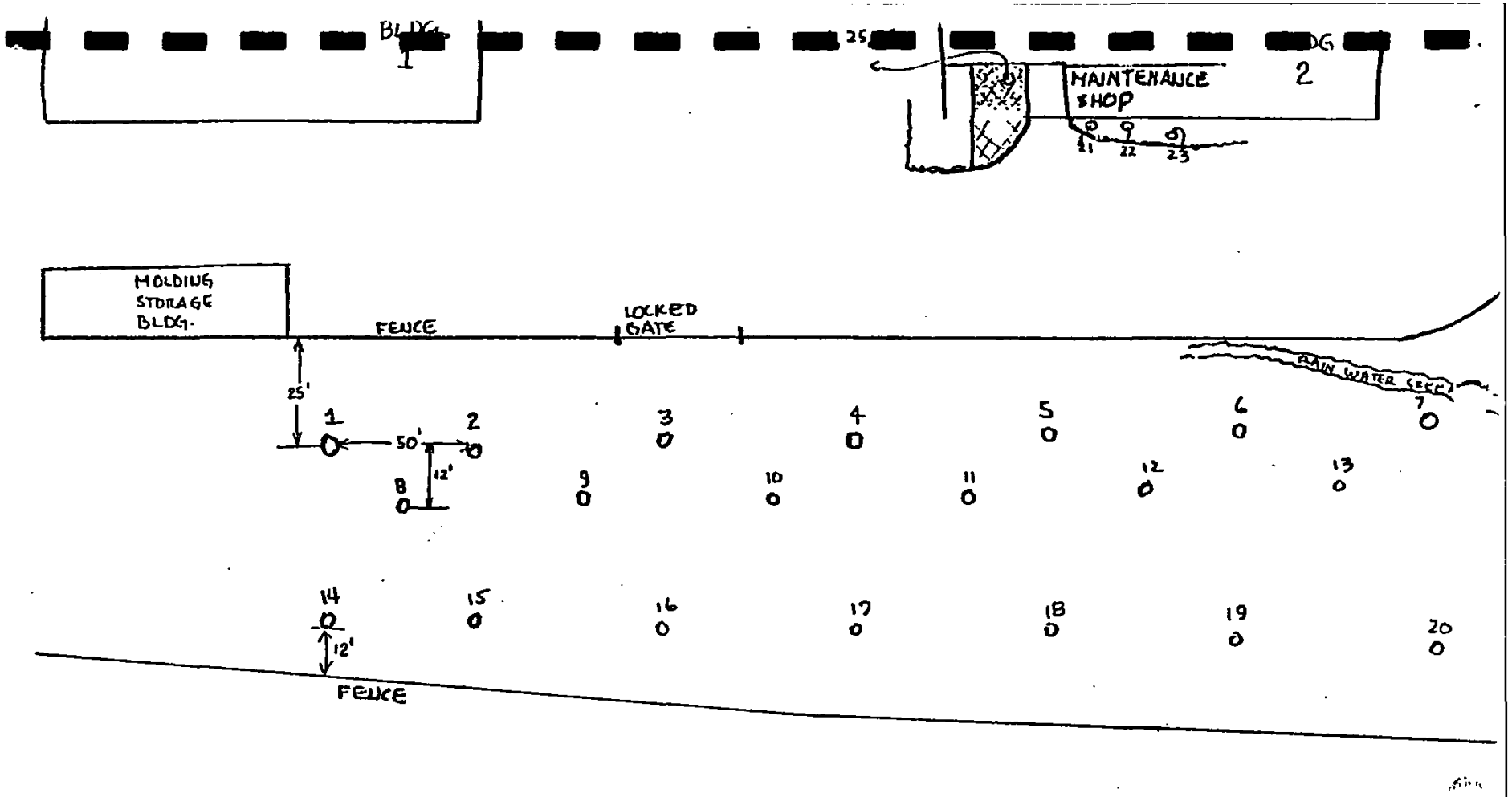
PROCESS CONDITIONS: VENTILATION ____ OTHER ____

PROTECTIVE EQUIPMENT:

SHIFT:

PERSONNEL: NUMBER AT OPERATION ____ HOURS EXPOSURE ____ OTHER ____

FIELD NO.	LAB NO.	DATE SAMPLED	VOLUME	RATE TIME	SAMPLE INFORMATION	ANALYSIS REQUESTED	RESULTS	BY	REMARKS & CALCULATIONS
14		10-05-79	N/A	N/A	OLD DISPOSAL AREA	MERCURY CONTENT			LOW MERCURY CONTENT EXPECTED
15		10-05-79							
16		10-05-79							
17		10-05-79							
18		10-05-79							
19		10-05-79							
20		10-05-79							
21		10-05-79			OLD RECLAIM AREA				
22		10-05-79							
23		10-05-79							
24 *		10-06-79							HIGH MERCURY CONTENT EXPECTED
25		10-06-79							LOW MERCURY CONTENT EXPECTED
26		10-06-79							



O SAMPLES LOCATION

CONTAMINATED SOIL

JUANA DIAZ PLANT
SOIL EVALUATION SAMPLES
LOCATION SKETCH
(not drawn to scale)

← N

D

GENERAL ELECTRIC COMPANY
JUANA DIAZ PLANT

Document No. 10

Type : Letter

From : S. Figueroa, GE Co.

To : R.I. Schauseil, President & Manager, Puerto Rico Operations
GE Wiring Devices Department

Date : November 2, 1979

SUBJECT : LABORATORY ANALYSES OF SOIL SAMPLES FROM THE WEST FIELD

Summary

This document contains the results of analyses of the soil samples from the West Field and reclaim area, the locations of which are described in the letter from S. Figueroa to L. Feliú dated October 11, 1979.

These analyses show mercury levels ranging between 0.0027 wt.% and 6.6 wt.%.

Also included is a sketch of the West Field depicting the sample locations and analysis results.

The contaminated soils around sample locations 24, 25, and 26 were removed to a depth of about two inches and shipped to Bethlehem Apparatus (Penn.) for mercury reclamation. Mercury concentrations in the waste fill area ranged from 7.7 ppm to 340 ppm in the near-surface samples collected.

References : Documents Nos. 8 and 9.

INTERNATIONAL
GENERAL ELECTRIC
PUERTO RICO INC.

MAIN OFFICES
1000 MUÑOZ RIVERA AVE.
RIO PIEDRAS

CABLE ADDRESS
"INGELEC" SAN JUAN
MAIL ADDRESS
P. O. BOX 1000, HATO REY 00919

IN REPLY REFER TO

2 November 1979

RECEIVED
NOV 6 1979
JUANA DIAZ, P. R.

Mr. Robert I. Schauseil, President
General Electric Company
Wiring Device Business Dept.
Juana Diaz Plant
P. O. Box "D"
Juana Diaz, P. R. 00665

BUSINESS CONFIDENTIAL

Dear Mr. Schauseil:

Enclosed please find the Laboratory Analysis of the Juana Dioz Plant Soil Samples. Please note that all of them contained mercury in different weight percentages. If we multiply the weight percentage by 10,000 to change it to parts per million we will have samples as high as 66,000 ppm (Sample 24) and as low as 7.70 ppm. (Sample 20). (Sample 24 was the sample for the soil we collected and sent to the States).

Please refer the case to Mr. Edward L. Simons, Manager, Environmental Protection Operation, or Mr. Leroy Hutzler, Environmental Engineer-Wiring Device Business Department, for further evaluation and recommendations. Mr. Leroy Hutzler did a similar soil evaluation for Ponce Plant.

If I can be of any further help, please let me know.

Very truly yours,

Solange I. Figueroa

(Ms.) Solange I. Figueroa
Industrial Hygienist
GE-Puerto Rico Area

SIF:cvc
cc: Mr. William Burns, Providence, R. I.
Mr. E. A. Casellas
Mr. Leo Feliu

GENERAL ELECTRIC COMPANY
JUANA DIAZ PLANT

Document No. 11

Type : Field notes

From : W.J. Alexander, Hydrogeologist, Law Engineering Testing Co.

To :

Date : April 22, 1981

SUBJECT : TEST PIT EXCAVATIONS - WEST FIELD SITE

Summary

Field notes made by W.J. Alexander, Hydrogeologist, Law Engineering Testing Company, Marietta, Ga., during auger borings and test pit excavations.

References : None

NO. 41
- 06 1029
NN. - CLO146
NO EHL-4 (10/77)

GENERAL ELECTRIC
CORPORATE MEDICAL OPERATION
ENVIROMENTAL HEALTH LABORATORY
ENVIRONMENTAL ANALYSIS

Air Samples ?

RIAL NO: 1997 BILLING PT.: D66000 DATE:

OMPONENT/MAILING ADDRESS: Wiring Devices, Ponce, Puerto Rico

THORIZED BY: Mr. Williams DIAL COMM: 8

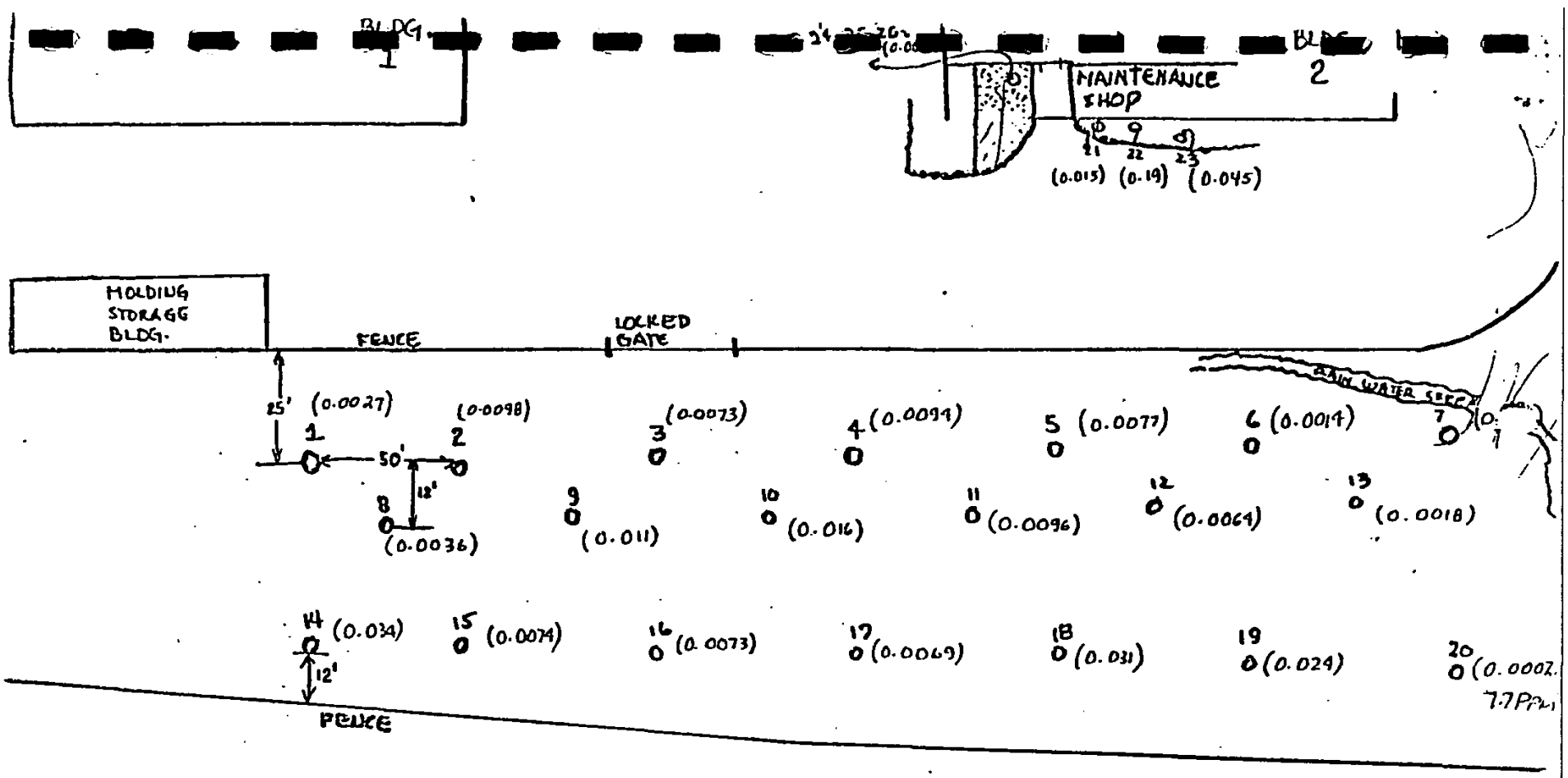
MPLES SENT: SAMPLES RECEIVED 10/12/79 REPORTED: 10/24/79

FIELD NO.	LAB NO.	ANALYSIS REQUESTED	RESULTS	FIELD NO.	LAB NO.	ANALYSIS REQUESTED	RESULTS
	6345	Mercury	0.0027 % Hg wt/wt	17	6721	Mercury	0.0069 % Hg wt/wt
	6350	Mercury	0.0098 % Hg wt/wt	18	6722	Mercury	0.031 % Hg wt/wt
	6707	Mercury	0.0073 % Hg wt/wt	19	6723	Mercury	0.024 % Hg wt/wt
	6708	Mercury	0.0094 % Hg wt/wt	20	6724	Mercury	0.00077 % Hg wt/wt
	6709	Mercury	0.0077 % Hg wt/wt	21	6725	Mercury	0.015 % Hg wt/wt
	6710	Mercury	0.0014 % Hg wt/wt	22	6726	Mercury	0.19 % Hg wt/wt
	6711	Mercury	0.017 % Hg wt/wt	23	6727	Mercury	0.045 % Hg wt/wt
	6712	Mercury	0.0036 % Hg wt/wt	24	6728	Mercury	6.6 % Hg wt/wt
	6713	Mercury	0.011 % Hg wt/wt	25	6729	Mercury	0.0069 % Hg wt/wt
	6714	Mercury	0.016 % Hg wt/wt	26	6730	Mercury	0.0096 % Hg wt/wt
	6715	Mercury	0.0096 % Hg wt/wt				
	6716	Mercury	0.006[illegible] % Hg wt/wt				
	6717	Mercury	0.0018 % Hg wt/wt				
	6718	Mercury	0.034 % Hg wt/wt				
	6719	Mercury	0.0074 % Hg wt/wt				
	6720	Mercury	0.0073 % Hg wt/wt				

RECEIVED
NOV 6 1979
JUANA DIAZ, P.

OTE: Analytical results are reported in absolute values, i.e., micrograms per total filter. Concentration in air is a function of pump calibration and sampling technique, and is the respondsibility of the contributor. The accuracy of identification of materials is determined by the accuracy of comparative standards and the recognition and freedom from interferences in the sample

10.1



Values in parenthesis - sample analysis in % by weight.

Solange Figueroa
11-02-79

O SAMPLES LOCATION

CONTAMINATED SOIL

JUANA DIAZ PLANT
SOIL EVALUATION SAMPLES
LOCATION SKETCH
(not drawn to scale)

← N

10.2

GENERAL ELECTRIC COMPANY
JUANA DIAZ PLANT

Document No. 21

Type : Report

From : W.J. Alexander, L.A. Neal; Law Engineering Testing Co.

To : J.T. Friss, Specialist Environ. Programs; GE Co., Plainville, CT.

Date : August 22, 1982

SUBJECT : AUGUST 1982 SITE VISIT REPORT

Summary

Examination by visitors of construction of new drainage line to reduce drainage water charging of the West Field.

During construction, a normal amount of the mercury known to exist in the area was uncovered. At this time, Javier Colón, (then) Manager of Environmental Projects, suggested we have our consultants (Law Eng. Testing Co.) make a visual observation.

Findings - The report describes the findings in various test pit excavations and other areas in or near the site.

Recommendations -

a. divert roof drainage to minimize field charging.
b. erosion control of a drainage pipe along the east side of waste fill.
c. construction of retaining wall to protect new drain system.

References : Document No. 23

J. Glen, L Peterson

RECEIVED

'82 OCT -4 P1:17

G.E.

LAW ENGINEERING TESTING COMPANY
geotechnical environmental & construction materials consultants
2749 DELK ROAD, S.E.
MARIETTA, GEORGIA 30067
(404) 952-9005

September 22, 1982

CC: T.E. MOSLEY
JM PHILLIPS, EPC

General Electric Company
41 Woodford Avenue
Plainville, Connecticut 06062

Attention: Mr. J.T. Friss
Specialist-Environmental Programs

Subject: Report of August, 1982 Site Visit
Juana Diaz Plant, Puerto Rico
Law Engineering Project No. MH2296

Dear Mr. Friss:

This letter summarizes Law Engineering's activities at the Juana Diaz Plant site between August 24 and 26, 1982. Our trip was requested by General Electric to help assess the significance of elemental mercury which was recently encountered by General Electric along a new drainage line. Our project was authorized under General Electric Purchase Order #PR3556WD.

INTRODUCTION

The site visit consisted of meetings with General Electric personnel, a review of the overall closure project and waste disposal history, site observations, and the excavation of 12 test pits. A new drainage line was under construction at the time of our visit. The drainage line is east (and outside) of the primary waste fill area. The drainage line is intended to drain water that previously entered the waste fill area from the two site buildings (Figure 1). Waste fill and some

NOT NEW TO LAW, THEY INSTRUCT. TO DE-WATER)

21

elemental mercury was encountered by General Electric during the construction of this line.

In order to estimate the approximate extent and volume of the waste fill in the area along the pipeline, Test Pits 1 through 4 were excavated (Figure 1). Test Pits 5 through 8 were excavated along the northeastern limits of the primary waste fill area to determine if additional waste fill was disposed of in this area. Test Pits 9 through 12 were excavated around Building #2 to determine if significant quantites of waste fill existed near areas where mercury was thought to have been handled.

FINDINGS

A brief description of the test pits follows. The test-pit numbers indicate the sequence in which they were excavated.

Test Pit 1 - The thickness of waste fill is approximately 3 feet near the drainage line and thins to 1 foot or less to the east. The waste fill consists of buttons, glass seals, cemented ceramic and miscellaneous fill soils. There was no visible mercury in the south wall at the time of excavation. The waste fill is underlain by brown, slightly clayey sand. The test pit appears to mark the northern limit of the newly discovered waste fill as no appreciable thickness of waste fill exists in the northern wall of Test Pit 1.

21.1

GE_CARIBE000663

Test Pit 2 - The thickness of the waste fill is approximately 3 feet near the drainage line and thins to less than 1 foot to the east. The waste fill consists of cemented ceramic, and relatively clean ceramics. Elemental mercury was visible within the surficial waste fill materials. A concrete slab exists on the north wall of the test pit which apparently covers a fuel oil tank. The fuel oil tank was not directly encountered but has two exposed pipes which lead to it from the land surface. No waste fill (or visible mercury) was observed beneath the concrete slab. A brown sand exists beneath the tank which may represent backfill material. Fragments of black silty clay exist within the sand matrix and may represent reworked portions of the silty clay stratum which occurs in the waste-fill area.

Test Pit 3 - The thickness of the waste fill is approximately 3 feet near the drainage line and thins to less than 1 foot to the east. Elemental mercury is visible within the upper foot of waste fill. The waste fill contains cemented ceramic, buttons, and soil. The soils beneath the waste fill appear to be fill material and vary from brown sand to dark gray sand with rounded pebbles. The lower sands are slightly clayey.

21.2

GE_CARIBE000664

Test Pit 4 - The waste fill occurs within two layers separated by a coarse to medium sand layer near the drain line. The waste fill layers contain buttons with cemented ceramic. The lowermost waste fill layer has elemental mercury visible. Some visible mercury was also noted within the shallow pavement subbase at the edge of driveway.

Test Pit 5 - The test pit primarily contained a poorly sorted boulder fill to an approximate depth of 4 feet. The black, silty clay stratum (apparently undisturbed) was encountered at 4 feet. A 4-inch diameter clay pipe line was encountered in the western end of the excavation at a depth of about 3 feet. The pipe line appeared to terminate 10 feet west of the centerline of the new pipeline. The waste fill on the west end of the excavation was only 1.3 feet thick.

Test Pit 6 - The test pit primarily contained a poorly sorted boulder fill to an approximate depth of 5.5 feet. The black silty clay stratum was encountered at 5.5 feet. Approximately 1 foot of waste fill was encountered along the western surface of the excavation.

Test Pit 7 - The test pit primarily contained a poorly sorted boulder fill to the terminated depth of 3 feet. Approximately 0.5 feet of waste fill was encountered along the western surface of the excavation.

21.3

GE_CARIBE000665

Test Pit 8 - The test pit contained a poorly sorted boulder fill to the terminated depth of 2 feet. No waste fill was encountered.

Test Pit 9 - The test pit encountered no waste fill or visible mercury. A dark brown slightly clayey coarse to medium sandy topsoil was encountered from the ground surface to 1.0 feet. A brown slightly clayey coarse to medium sand underlies the topsoil.

Test Pit 10 - Elemental mercury was encountered along the northern surface of the excavation to a depth of approximately 1.0 feet. The mercury was concentrated in an area approximately 2 feet from the edge of the building. The subsurface mercury was concentrated in porous zones within a brown, clayey topsoil matrix. Some angular rock fragments existed within the clayey soils below a depth of 1 foot.

Test Pit 11 - A very clayey topsoil existed from 0 to 0.5 feet. The topsoil is underlain by a brown sandy clay from 0.5 to 2.0 feet. A brown sandy clay with angular volcanic rock fragments existed from 2.0 to 2.5 feet. No waste material or elemental mercury was visible within the vicinity of the test pit. The test pit was excavated in the vicinity of a former sump area which was apparently located near this area.

21.4

Test Pit 12 - Elemental mercury was visible near the surface of the test pit. A brown clayey sandy fill with volcanic rock fragments existed beneath the ground surface with no visible mercury.

ADDITIONAL COMMENTS

Elemental mercury was visible in other areas of the site at the time of our site visit where test pits were not excavated. These areas include:

1. the east drainage ditch - elemental mercury beads were concentrated within the pitted surface of the concrete half-pipe that lines the ditch. Some mercury was also visible in the vicinity of the pipe outlet to the south-west (Figure 1)
2. beneath the foundation of the substation along the exposed side (east)
3. several zones within the east wall of the new pipe lines between Test Pit 1 and the substation
4. within the base of the new drainage line
5. within the base of the old drainage line

21.5

GE_CARIBE000667

The volume of additional waste fill encountered in the vicinity of Test Pits 1 through 4 is estimated to be approximately 100 yards. This estimate does not include residual soils or fill materials which directly underlie the obvious waste materials. The estimate also excludes any of the localized mercury concentrated in areas previously discussed.

General recommendations were made on the site by Law Engineering concerning:

COMING IN NOV. 82 → 1. Diversion of roof drainage to minimize surface runon that exists around some locations of the buildings.

WORKING ON → 2. Temporary erosion control along west end of existing drainage line where it enters the primary waste fill area.

3. Generalized construction concepts regarding the proposed retaining wall along the east side of the new drainage ditch.

We would be happy to answer any questions you may have regarding our site activities or provide you with additional data if needed.

Sincerely,

LAW ENGINEERING TESTING COMPANY

W. Joseph Alexander

W. Joseph Alexander, P.G.
Senior Hydrogeologist

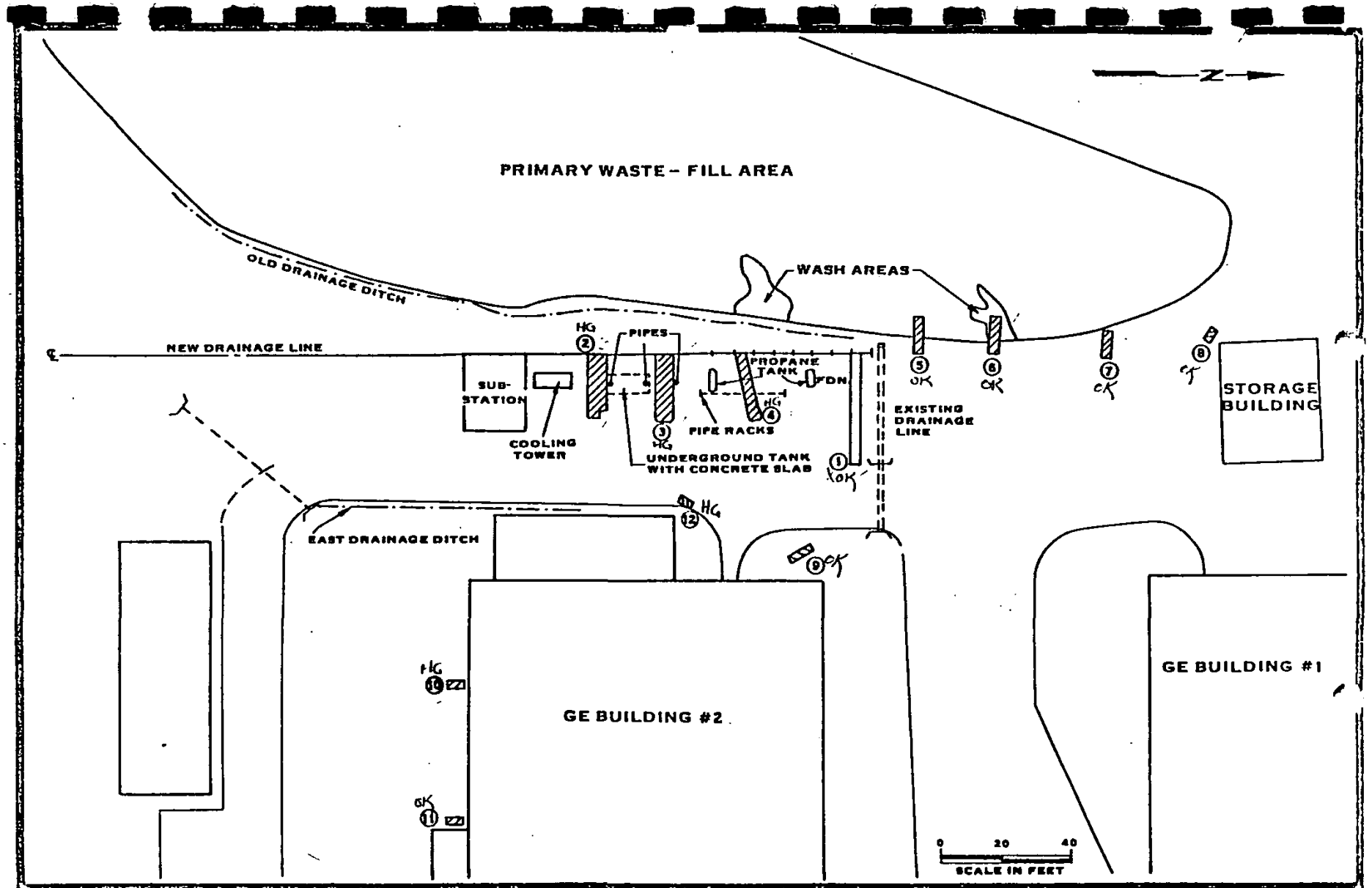
J R Wallace

for Larry A. Neal, P.E.
Senior Environmental Engineer

WJA:JAN:cb

21.6

GE_CARIBE000668



GENERAL ELECTRIC COMPANY
JUANA DIAZ PLANT

PUERTO RICO

LAW ENGINEERING TESTING COMPANY

MARIETTA, GEORGIA

GENERALIZED LOCATIONS OF AUGUST 82 TEST PITS 1 THROUGH 12

MH2296

FIGURE 1

2.1.7

APPENDIX L

PCB ANALYSIS REPORT

GENERAL ELECTRIC

DIAL COMM: 292-3252 DATE: OCTOBER 18, 1985 COPIES:

DEPT: Medium Transformer Operations

ADDRESS: Redmond Circle, Rome, GA 30161

SUBJECT: REQUISITION 287-72766

Mr. Ralph Kinger
General Electric Wiring Devices
225 Service Avenue
Warwick, RI 02886

On 4/15/85 we shipped on the subject requisition a 1500 kVA transformer S/N-H081762 to:

Puerto Rico Marine Management
Jacksonville, Florida

This transformer as shipped had a nondetectable PCB level.

W. J. Blad, Manager
ENGINEERING SERVICES

WJB:dr140

TRANSFORMER CONSIDERED "NON-PCB TRANSFORMER" PER 40CFR 761.3

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
PLANTA DE JUANA DIAZ
TRANSFORMADOR #1

4-18-86

CARIBTEC LABORATORIES INC.
GPO BOX 2242
SAN JUAN, PUERTO RICO 00936
TEL. (809) 754-7566, 754-7622

REPORT OF ANALYSIS

SOURCE GENERAL ELECTRIC INTERNATIONAL PO NO 71460

SAMPLED BY CLIENT PERSON IN CHARGE TOMAS RAMON

DATE SUBMITTED 2-19-86 DATE REPORTED 3-3-86

SAMPLE DESCRIPTION
1 39933-A Caribe G.E. Juana Díaz Their T #2 (No.G-859968)
2 39934- Caribe G.E. Juana Díaz Their T #3 (No. E.689275)
3
4
5
6

PARAMETERS	1	2	3	4	5	6
PCB (Type)	1260	1260				
Concentration PPM	145	443				

BOTH TRANSFORMERS CONSIDERED

"PCB CONTAMINATED"

PER 40CFR 761.3 DEFINITIONS

4-18-86

ESTADO LIBRE ASOCIADO DE PUERTO RICO
CLAMICO AUTORIZADO

Félix Maldonado Reveró

APPENDIX M

HAZARDOUS WASTE STORAGE LOG

Caribe General Electric Products. Inc.

Hazardous Waste Storage Log

Material: ELECTROPLATING SLUDGE

Storage Area: HAZARDOUS WASTES STORAGE SHACK

QTY & CONTAINER	DATE IN	DATE OUT	MANIFEST NO.
10 - 55 GAL DRUM	11-12-80	3-25-83	001
6 - 55 GAL DRUM	2-17-81	3-25-83	001
7 - 55 GAL DRUM	5-12-81	3-25-83	001
4 - 55 GAL DRUM	8-4-81	3-25-83	001
6 - 55 GAL DRUM	9-1-81	3-25-83	001
14 - 55 GAL DRUM	1-12-82	3-25-83	001
6 - 55 GAL DRUM	8-7-82	3-25-83	001
30 - 55 GAL DRUM	FEB 83	3-25-83	001

83 TOTAL DRUMS. CONSOLIDATED INTO 74 DRUMS AND SHIPPED TO BFI. LIVINGSTONE DISPOSAL FACILITIES, LA. ON MARCH 25, 1983.

27 - 55 GAL DRUM	11-14-84	3-13-86	002
13 - 55 GAL DRUM	10-22-85	3-13-86	002

TOTAL DRUMS AT THIS DATE: 40

13 - 55 GAL DRUM	2-12-86	3-13-86	002

NOTE: 40 DRUMS CONSOLIDATED INTO 13 DRUMS

13 TOTAL DRUMS. CONSOLIDATED INTO 10 DRUMS AND SHIPPED TO CWM.EMELLE. ALABAMA ON 3-13-86.

CARIBE GENERAL ELECTRIC PRODUCTS. INC.

HAZARDOUS WASTE STORAGE LOG

Material: ELECTROPLATING SLUDGE

Storage Area: HAZARDOUS WASTE STORAGE SHACK

QTY & CONTAINER	DATE IN	DATE OUT	MANIFEST NO.
10 - 55 GAL DRUM	1-14-87	6-17-87	00004
4 - 55 GAL DRUM	4-21-87	6-17-87	00004

14 DRUMS SHIPPED TO EMELLE, ALABAMA, MANIFEST NO. 87004, ON 6-17-87

1 - 5000 GAL TRAILER TANK	5-5-87	5-5-87	00005

1 - TRAILER TANK SHIPPED TO CECOS, LIVINGSTON FACILITIES, LIVINGSTON, LOUISIANA, MANIFEST NO. 00005, ON 5-5-87

1 - 5000 GAL TRAILER TANK	3-2-88	3-2-88	08801

1 - TRAILER TANK SHIPPED TO WRC PROCESSING COMPANY(RECYCLING FACILITY), RD#1, BOX 1053, POTTSVILLE, PENSYLVANIA 17901 MANIFEST NO. 08801, ON 3-2-88.

10 - 55 GAL DRUM	12-16-88	01-10-89	89001

10 drums shipped to WRC Processing Company (Recycling Facility), 8113 West Sherman, Phoenix, AZ 85043. Manifest No. 89001, on 01-10-89

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
JUANA DIAZ PLANT

HAZARDOUS WASTE STORAGE LOG

Material: ELECTROPLATING SLUDGE

Storage Area: HAZARDOUS WASTE STORAGE SHACK

QTY & CONTAINER	DATE IN	DATE OUT	MANIFEST NO.
900 LBS. / BAG	01-26-89	03-31-89	89002
900 LBS. / BAG	02-02-89	03-31-89	89002
900 LBS. / BAG	10-02-89	03-31-89	89002
900 LBS. / BAG	13-02-89	03-31-89	89002
900 LBS. / BAG	17-02-89	03-31-89	89002
900 LBS. / BAG	14-03-89	03-31-89	89002
900 LBS. / BAG	31-03-89	03-31-89	89002

---

7 Bags shiped to WRC Processing Company (Recycling Facility),
8113 West Sherman, Phoenix, AZ 85043. Manifest No. 89002, on 03-31-89

==========

900 LBS. / BAG	04-19-89	06-22-89	89005
900 LBS. / BAG	05-25-89	06-22-89	89005
900 LBS. / BAG	06-22-89	06-22-89	89005

---

3 Bags shiped to WRC Processing Company (Recycling Facility),
8113 West Sherman, Phoenix, AZ 85043. Manifest No. 89005, on 06-22-89

==========

Caribe General Electric Products, Inc.

Hazardous Wastes Storage Log

Material: SPENT CHROMATES

Storage Area: HAZARDOUS WASTES STORAGE SHACK

QTY & CONTAINER	DATE IN	DATE OUT	MANIFEST NO.
4 - 30 GAL DRUM	1-4-84	3-19-86 *	003

TOTAL DRUMS: 4

2 - 55 GAL DRUM	3-19-86	11-13-86	003

* NOTE: 4 - 30 GAL DRUMS CONSOLIDATED INTO 2-55 GAL DRUMS

2 TOTAL DRUMS SHIPPED TO CWMA, EMELLE, ALABAMA
MANIFEST NO. 0003, ON 11-13-86

APPENDIX N

FINDS REPORT

```
NATP                    U.S. ENVIRONMENTAL PROTECTION AGENCY                 07/19/89
FINDS                          FACILITY INDEX SYSTEM                         10:50:33
FIQ200P                      SINGLE FACILITY DISPLAY (PAGE 1 OF 2)          FIQ200M
-------------------------------------------------------------------------------------
EPA ID NUMBER : PRD090282757
FACILITY NAME : GENERAL ELECTRIC CO WIRING DEV
      ADDRESS : KM 67 CARRETERA NO 149
              : JUANA DIAZ                    , PR  00665 -

COUNTY        : JUANA DIAZ                        CONG. DISTRICT    : 98
OWNER TYPE    : PRIVATE                           OPERATOR TYPE     :

LATITUDE      :  180330                           LAT-LONG SOURCE   : 0
LONGITUDE     : 0663045                           LAT-LONG ACCURACY:

SIC CODES     : 3643  :        :        :        :        :
INDIAN LAND   : N                                 FEDERAL FACILITY : N

COMMENTS      :                                   :
              :                                   :
-------------------------------------------------------------------------------------
            PF3/15 = PREVIOUS MENU      PF4/16 = MAIN MENU
```

```
NATP                    U.S. ENVIRONMENTAL PROTECTION AGENCY                 07/19/89
FINDS                          FACILITY INDEX SYSTEM                         10:52:04
FIQ201P                  SOURCE PROGRAM OFFICE INFORMATION                   FIQ201M
-------------------------------------------------------------------------------------
PRD090282757 : GENERAL ELECTRIC CO WIRING DEV  KM 67 CARRETERA NO 149
                                               JUANA DIAZ                 00665
OFFICE PROGRAM              SYSTEM FACILITY-IDS USED BY SOURCE PROGRAM SYSTEMS
------ ------------------- ------ ----------------------------------------------
OSW    SOLID WASTE         HWDMS : PRD090282757  :                :
OWEP   WATER ENF&PERMIT    PCS   :               :                :
OAR    AIR & RADIATION     CDS   :               :                :
OPTS   FIFRA/TSCA ENF      FATES :               :                :
OERR   SUPERFUND           CERCLA: PRD090282757  :                :
OECM   ENF&COMPL MONITOR   DOCKET:               :                :
OW     FEDERAL UNDERGRND   FURS  :               :                :
OTS    TOXIC SUBST INVEN   CICIS :               :                :
STATE  STATE PROGRAMS            :               :                :
ODW    DRINKING WATER      FRDS  :               :                :
OW     SURFACE IMPOUND     SIA   :               :                :

-------------------------------------------------------------------------------------
            PF3/15 = PREVIOUS SCREEN            PF4/16 = MAIN MENU
```

```
NATP                    U.S. ENVIRONMENTAL PROTECTION AGENCY                07/19/89
FINDS                          FACILITY INDEX SYSTEM                       10:52:04
FIQ201P                 SOURCE PROGRAM OFFICE INFORMATION                  FIQ201M2
-------------------------------------------------------------------------------
PRD090282757 : GENERAL ELECTRIC CO WIRING DEV  KM 67 CARRETERA NO 149
                                               JUANA DIAZ                 00665
OFFICE PROGRAM                SYSTEM FACILITY-IDS USED BY SOURCE PROGRAM SYSTEMS
------ ------------------- ------ ----------------------------------------
OTS    PCB-WASTE HANDLERS FADS  :                :                :
OSW    MEDICAL WASTE HNDL RCRA-J:                :                :


-------------------------------------------------------------------------------
              PF3/15 = PREVIOUS SCREEN            PF4/16 = MAIN MENU
```

APPENDIX O

RFA DRAFT REPORT

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

ENVIRONMENTAL PROTECTION AGENCY
REGION II

89 MAY 22 AM 11:56

HAZARDOUS WASTE FACILITIES BRANCH

May 10, 1989

Mr. Angel Chang, Chief
Caribbean Facilities Section
Hazardous Waste Facilities Branch
US Environmental Protection Agency
26 Federal Plaza - Region II
New York, New York 10278

RE: RCRA Facility Assessment Report
Caribe GE Products, Inc.
Juana Díaz, PR
PRD090282757

Dear Mr. Chang:

Enclosed please find the RFA Report prepared for Caribe GE Products, Inc., Juana Díaz as committed for the 1st quarter of FY'89.

Should you have any question or need additional information, please contact Ms. Aida T. Fuentes, at (809) 722-5453.

Cordially,

Flor L. del Valle
Director
Land Pollution Control Area

ATF/eas

Enclosure

RCRA FACILITY ASSESSMENT REPORT

CARIBE GE PRODUCTS, INC.

JUANA DIAZ, PUERTO RICO

PRD090282757

Aida T. Fuentes Rivera
EQB Land Pollution Control Area
Hazardous Wastes Division
December, 1988

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TABLES

1. Waste Flow Description Chart

2. Summary of Important Events in the History of Caribe G.P., Juana Díaz

3. Solid Waste Management Unit No. 1

4. Solid Waste Management Unit No. 2

5. Solid Waste Management Unit No. 3

6. Solid Waste Management Unit No. 4

7. Solid Waste Management Unit No. 5

8. Solid Waste Management Unit No. 6

9. Solid Waste Management Unit No. 7

10. Summary of Potential Release Pathways and Further Actions

ATTACHMENTS

1. EQB's Industrial Hazardous and Toxic Waste Study
2. Original Notification of Hazardous Waste Activity
3. Original Part A Permit Application
4. Revised Notification of Hazardous Waste Activity
5. Revised Part A Permit Application
6. PFE Permit
7. Field Notes
8. List of Hazardous Waste Manifest
9. Letter dated June 1, 1987 from GE to EQB
10. Memorandum dated September 19, 1984
11. Geologic Map of the Ponce Quadrangle, Puerto Rico (Map I-863)
12. Regional Geology and Ground Water (from Reference 3)
13. Facility Response Letter and Questionnaire
14. Generalized Superfund Site Setting Map
15. Chronological History of the Hg Landfill
16. Description of the Geology and Hydrogeology of the Hg Landfill
17. Site and Land Use Map
18. Details of CSA1 and Sumps
19. Copy of Analysis Report of Sludge

20. Study on permeability, cation exchange capacity, mineralogy and grain size

21. Detailed Drawings of the sedimentation tank

22. List of electroplating Raw Materials

23. Wastewater Analysis Report (for July 1 to December 31, 1988)

24. Spent Hydraulic Oil Analysis Report

25. Scheme of the Electroplating Area

26. Topographic Map

27. Copy of Memorandum to the Inspection, Monitoring and Surveillance Section

RCRA FACILITY ASSESSMENT REPORT
CARIBE GE PRODUCTS, INC.
JUANA DIAZ, PUERTO RICO
EPA ID. NO. PRD090282757

I. Introduction

A RCRA Facility Assessment (RFA) embraces the identification of past, present or potential releases of hazardous wastes or hazardous constituents into the environment from any unit or activity that involves management of solid wastes as defined in 40 CFR 261.2 in a permitted or under interim status facility. The Assessment shall address releases of hazardous wastes or constituents to all environmental media including soil, groundwater, surface water, air, and the generation of subsurface gas. Any release that has migrated beyond the facility boundaries shall also be considered. The ulterior purpose of an RFA will be the implementation of corrective actions where necessary as mandated by the 1984 Hazardous and Solid Waste Amendments (HSWA) made to the Resource Conservation and Recovery Act (RCRA).

The present project is intended to identify the Solid Waste Management Units (SWMUs) and Areas of Concern (AOC) that could have potential or a history of hazardous wastes releases at the Caribe GE Products, Inc. of Juana Díaz, Puerto Rico PRD090282757. This facility is located at State Road 149, Km. 67, Juana Díaz at the South-Central part of the Island (Latitude 18°05'03"N, Longitude 66°30'03"W). Its postal address is:

Caribe General Electric Products, Inc.
P.O. Box 1430
Juana Díaz, Puerto Rico 00665

and the local contact person for environmental affairs is:

Mr. Stephen Brown
Environmental Coordinator
(809) 837-2500

GE_CARIBE000688

A Solid Waste Management Unit is defined as "any discernible unit at which solid or hazardous wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. It would include any area at which hazardous waste or hazardous constituents have been routinely and systematically released; but, it would not include accidental spills from production areas and units in which wastes have not been managed"[1]. In the other hand, an Area of Concern is defined as "any area at which hazardous waste or hazardous constituents have been released but such release is not routinely and systematically done. An AOC also include any area for which there is a suspicion that a release occurred"[1].

Identification of SWMU's and AOC's at the Caribe GE Products, Inc. has been performed through a preliminary review of EQB's file and four visual site inspections.

The preliminary review included the following files: Facility SWMU Response Letter; RCRA Permits and Engineering Section; Inspection, Monitoring and Surveillance Section; Manifest Records; Permit for Emission (Air Quality File). However, file from EQB's Legal Division was not available.

First visual site inspection (Preliminary Visit) was performed on August 12, 1988 during which the Facility Response Letter was personally, delivered to Mr. José Márquez, Environmental Coordinator at that time and the Mercury Landfill (Superfund Site) was visually inspected. A second site-visit was performed on December 20, 1988 in order to complete facility's information regarding its history, operations, SWMU's and to review facility's file. A third visual-site inspection was performed on December 21, 1988 to visually inspect the GE's manufacturing process the SWMU's and AOC's at the facility; also to take photos of the units. Finally on February 8, 1989 a reinspection of the facility was performed.

After evaluation of all the gathered information, conclusions will be presented addressing the release potential of each SWMU's and AOC's with respect to all the environmental media and further actions will be recommended.

GE_CARIBE000689

II. Facility and Process Description

A. History

Caribe GE, Juana Díaz started operations on August 30, 1957 in a property of the Puerto Rico Industrial Development Company (PRIDCO) utilized at the time for growing of sugar cane. GE acquired the property on 1987.

Since 1957 the company has been manufacturing electric wiring devices including switches, receptacles, starters and relays. Manufacture of switches utilizing mercury (Hg) was discontinue on 1970 when this particular operation was transfered to the GE Ponce plant. Electroplating of the manufactured electric wiring devices started on 1971 at Juana Díaz.

On the EQB's Industrial Hazardous and Toxic Waste Study dated March 20, 1974, the company reported the using of urea, steel, aluminum and brass as raw materials and the chemical detoxification process at the treatment plant. Refer to Attachment 1 for copy of the study.

The company notified its hazardous waste activity on August 5, 1980. Its activity was classified as being a generator and a facility that treated, stored and disposed of hazardous wastes. Hazardous wastes reported as being generated were F006, F007, F008 and F009 wastes. Refer to Attachment 2 for copy of the original Notification of Hazardous Waste Activity.

The company submitted their Part A permit application on November 14, 1980. The company reported the following hazardous wastes, estimated quantities and processes:

Hazardous Waste	Estimated Annual Quantity of Waste (Unit)	Process Code
F006	45.36 T	SO2,T01
F007	1870.00 P	S01
F008	525.00 P	S01
F009	916.00 P	S01
D000	2.07 T	S01 (Spent oils)

Refer to Attachment 3 for a copy of the Original Part A Permit Application.

GE_CARIBE000690

On September 1st, 1987 the company submitted a revised Notification of Hazardous Waste Activity in order to clarify that the only wastes they generate are F006 and D007 (Chromate Bath Spent Solution). The F007, F008 and F009 wastes reported in the original Notification were entered in the Notification as a Protective Filer since they have never generated and will not generated these cyanides wastes. Refer to Attachment 4 for a copy of the Revised Notification of Hazardous Waste Activity. On October 6, 1987 the company submitted a revised Part A Permit Application reporting the following hazardous waste, estimated annual quantity of waste and processes code: F006, 12.0T, S01, D007, 1.0T, S01. Refer to Attachment 5 for a copy of the Revised Part A Permit Application.

From 1957 to 1970 the company's west field was used as a receptor for processed defective mercury buttons. The waste fill contains plastic fragments, defective switch parts, broken glass, mercury switch buttons, brass stampings and rubble. It is included in the National Pollutant Priority List and has been classified as a Superfund site since 1982.

Wastewaters from the electroplating process are treated in the company's Wastewater Treatment Plant since 1971. Generated sludge (F006 waste) was transported and disposed of by Servicios Carbareón, Peñuelas which requested a permit to disposed GE's sludge on April 3, 1979. However, since 1980, F006 wastes are stored on Container Storage Area No. 1. On April 21, 1987 the company was requested by the US EPA to submit either a RCRA Part B Permit Application or a Closure Plan for the Container Storage Area No. 1. The company submitted a Closure Plan on May 17, 1988 with revisions made on July 26, 1988 and August 10, 1988. On February 7, 1989 the Completeness Determination step was completed. Public Notice was issued on March 11, 1989.

Caribe GE, Juana Díaz obtained a Permit for Emissions for four stacks five or six years ago being the last renewal made on July 29, 1987 which expire on July 29, 1989 (PFE-39-0786-0518I-0). Refer to Attachment 6 for a copy of the PFE permit.

B. Present Facility Operations

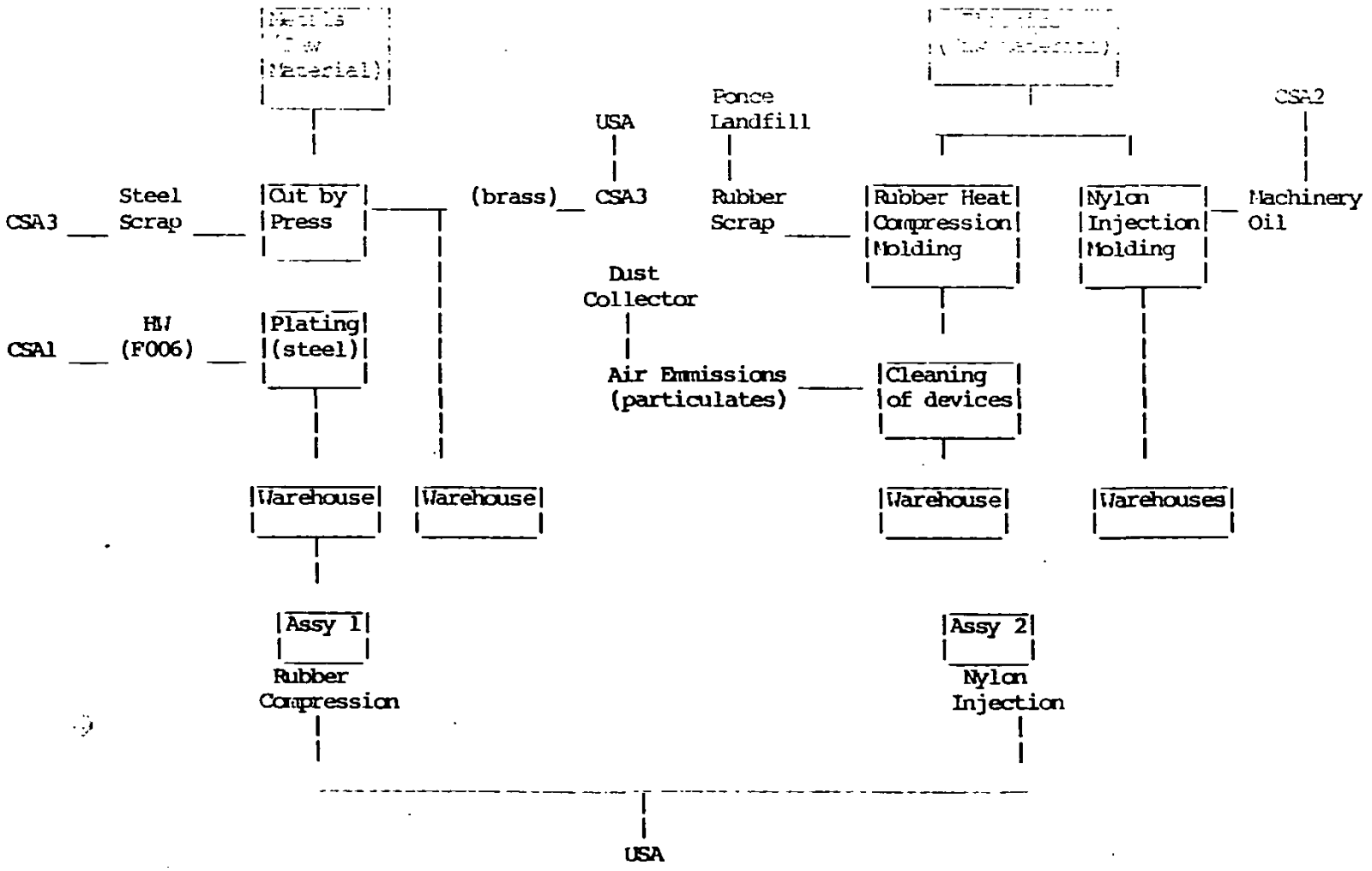
At present Caribe GE of Juana Díaz is engaged in the manufacturing of the following:

1) Fluorescent bulb starters
2) Multiple Plug Tabs
3) Electrical Plugs
4) Electrical Outlets
5) Pull Chain Fixture Socket
6) Brass Stamping Operations (electroplating)

GE_CARIBE000691

Raw materials utilize for the manufacturing processes include: Polymers, plastic, brass, aluminum and steel. (Refer to Attachment 22 for a list of Raw Materials utilized in the developing process.

A scheme describing present facility operations follows:



C. Identification of All Waste Streams

At present, the following solid and hazardous wastes are generated by the company:

a) F006, Wastewater Treatment sludge from electroplating operations.
b) D007, Chromate Bath Spent Solution
c) Non-regulated non-hazardous used oil
d) Non-regulated scrap metals
e) Rubber scrap from rubber heat compression molding
f) D001, Waste Petroleum Naphtha Combustible liquid, UN1255

Seven (7) solid waste management units (SWMU's) have been identified. These are:

a) SWMU1 - Mercury-contaminated Landfill
b) SWMU2 - Container Storage Area No. 1 (CSA1) for F006 wastes
c) SWMU3 - Container Storage Area No. 2 (CSA2) for Spent Oil
d) SWMU4 - Container Storage Area No. 3 (CSA3) for Metal Scrap
e) SWMU5 - Wastewater Treatment Unit No. 1 (WWT-1) for Chromate Reduction
f) SWMU6 - Wastewater Treatment Unit No. 2 (WWT-2) for Neutralization/Chemical Precipitation
g) SWMU7 - Wastewater Treatment Unit No. 3 (WWT-3) for Sludge Sedimentation (Sludge Settling Tank)

Refer to Attachment 7, facility site plan, for location of all the SWMU's.

Table 1 describes waste flow for all identified wastes upstream from the point of generation through ultimate disposition.

GE_CARIBE000693

TABLE 1 : WASTE FLOW DESCRIPTION CHART

WASTE	GENERATION	TREATMENT	STORAGE	DISPOSAL
F006, Wastewater Treatment Sludge from Electroplating Operations	SWMU7, Sludge settling tank (WWT-3)	N/A	Stored in 55-gallon drums at CSA1 (SWMU2); or sludge is directly transfered from WWT-3 to a 5,000 gallon tank truck to haul away the waste same day. (As a new Wastewater Treatment Plant start operations on 1989, the sludge will be filter pressed and stored in Marino bags at CSA1).	Emelle, Alabama; Livingston, Louisiana; or Rottsville, Pennsylvania
D007, Chromate Bath Spent Solution	Electroplating Process, specifically from the yellow chromate bath where zinc electroplated pieces go.	N/A	Stored in 55-gallon drums at CSA1.	Emelle, Alabama
Non-regulated non-hazardous used oil*	From Nylon Injection Molding machinery since the end of 1985. Also small quantities from Tool Room.	N/A	Stored in 55-gallon drums at CSA2 (SWMU3)	Disposed by Safety Kleen Envirosystems (PRD090399718)

GE_CARIBE000694

TABLE 1 (CONT.)

WASTE	GENERATION	TREATMENT	STORAGE	DISPOSAL
Non-regulated scrap metals	When cutting metals (raw materials) in a press (before electroplating), two kind of scrap metals are generated, namely brass scrap and cold rolled steel.	N/A	Brass scrap is stored in CSA3, Area 1 and steel scrap is stored in CSA3, Area 2. Both are stored in drums.	Steel scrap is sold to siderurgical industries in P.R. Brass scrap is sold to mills in USA.
Rubber-scrap	From Rubber heat compression molding	N/A	Garbage	BFI disposed the rubber scrap in the Ponce Landfill
D001, Waste Petroleum Naphta Combustible liquid, UN1255	From cleaning of Die in Tool Room.	N/A	N/A	Disposed of by Safety Kleen as soon as it is converted in spent solvent, aprox. every 6 weeks.

* NOTE: Spent oil was disposed as a D001 hazardous waste till 1987 since analyses perfomed showed oil was not hazardous. Refer to Attachment 24 for Analysis Test Results Report).

Refer to Attachment 8, list of Hazardous Waste Manifest for quantities of hazardous wastes that have been manifested until present.

GE_CARIBE000695

D. Regulatory History

On letter dated June 1, 1987 (refer to Attachment 9 for copy of the letter) and after receipt of the RCRA Part B Permit Application submission request for April 21, 1987, Caribe GE, Juana Díaz requested a change in status to become only a Hazardous Waste Generator facility. Since the only RCRA unit the company has is the Container Storage Area No. 1 (CSA1), for F006 waste storage, GE also submitted a Closure Plan for the RCRA unit on May 17, 1988 with revisions made on July 26, 1988 and August 10, 1988. On September 15, 1988, it was determined that the last revision of the Closure Plan was in compliance, however on December 7, 1988 the company submitted an ammendment to Table 2 and Table 3 of the Closure Plan in order to include Total cyanide. Another Completeness Determination dated Febcuary 7, 1989 was prepared. The Public Notice was issued on March 11, 1989.

An Administrative Order on Consent (Draft Index no. II-CERCLA-30301) regarding the Mercury - contaminated Landfill (Superfund site) was prepared on 1983 by US EPA. It was issued in order to request to the Caribe GE, Juana Díaz that remedial action be taken, preceded by a remedial investigation and study of alternative remedial actions (feasibility study). Since the order is confidential, it will not be included as an attachment. Public Hearings were carried out on October 1988 and the Record of Decision informing the chosen remedial action, was presented on November, 1988.

On a Full RCRA Inspection made in September 4, 1984, 4 violations were encountered at that time. Refer to Attachment 10, for a copy of the memo detailing the violations. An administrative order (DL-87004-009) was issued and a fine was paid by the company. (Copy of the order was not available).

Table 2 presents a summary of the most relevant historical events of the company.

GE_CARIBE000696

TABLE 2: SUMMARY OF IMPORTANT EVENTS IN THE HISTORY OF CARIBE GENERAL ELECTRIC PRODUCTS, INC. JUANA DIAZ, PUERTO RICO

DATE	EVENTS	COMMENTS
August 30, 1957	Operations started	Owners PRIDCO till 1987
Year of 1971	Electroplating of manufactured devices started	
August 5, 1980	Notification of HW Activity	Reported F006, F007, F008, F009 wastes
November 14, 1980	Part A Permit Application	
Year of 1983	Administrative Order on Consent (Index No. II-CERCLA-30301)	Prepared by EPA regarding Mercury-contaminated Landfill.
September 4, 1984	Full RCRA Inspection	4 violations encountered
April 21, 1987	Part B permit application submission request	
July 29, 1987	PFE-39-0786-0518-I-0 Issued	Expires on July 29, 1989
September 1, 1987	Revised Notification of HW Activity	
October 6, 1987	Revised Part A Permit Application	
May 17, 1988	Closure Plan submitted for CSA1	Revisions made on July 26, 1988 and August 10, 1988
November, 1988	Record of Decision presented	Remedial action for Mercury Landfill was chosen
December, 1988	Completeness Determination of Closure Plan	Includes amendment to Table 2 and Table 3 of CP to include Total Cyanide

GE_CARIBE000697

E. Maps

Different maps are included as attachments, as follows:

1) Geologic Map of the Ponce Quadrangle, Attachment 11
2) Map showing location of SWMU's, Attachment 13
3) Generalized Superfund Site Setting Map, Attachment 14
4) Site and Land Use Map, Attachment 17
5) Topographic Map, Attachment 26

GE_CARIBE000698

III. ENVIRONMENTAL SETTING

A. Surrounding Land Use

Caribe GE of Juana Díaz is located in an area zoned as urban by the Puerto Rico Planning Board. The facility is located outside the 100-year flood zone.

Caribe GE is surrounded to the north by a parking lot and an electrical sub-station; to the south by a GE land property follows by a residential area (Urbanización Jacaguax); to the west by a PRIDCO property (last occupied by a shoe factory); and to the east by Carrión Maduro Street, Road 149. Refer to Attachment 17 for a Site and Land Use Map..

Population within 5 miles is 10,000 inhabitants.

B. Meteorology

As per reference 3, Hydrogeologic Investigation:

"The climate in the study area is semiarid. The east-west trending mountain chain north of Juana Díaz causes the release of a majority of rain (orographic precipitation) on the northern slope. The southern slope when the site is located receives an average annual rainfall of approximately 30 to 40 inches. The season of heaviest rainfall is during the months of August, September and October. April and May are the first wet periods, while January, February and March constitute the dry season. The temperature varies approximately 5°F between January and July. The mean annual temperature for the Juana Díaz area is approximately 80°F".

C. Surface Hydrology

According to the geologic map (refer to attachment 11), the nearest major surface water bodies are Río Jacaguas and the Juana Díaz Canal. Río Jacaguas is .9 km away from GE Juana Díaz to the East and .7 km to the north. The Juana Díaz Canal is .55 km away from the facility to the west. Both water bodies flow to the north.

The use of these water bodies is unknown.

GE_CARIBE000699

D. Geology and Soils

Refer to Attachment 12 for description of the regional geology as per description included in reference 3.

The topography of the area is very light, that is, of low relief. The slope from the topographic map (Attachment 26) dips gently to the north.

According to the Geological map (Attachment 11), the facility is located in Alluvial Terraces. This deposit is described as follows: "Alluvial Terrace (Pleistocene - Quaternary Age) - crudely and irregularly bedded, fresh to moderately weathered, gravel, sand, silt, and some clay.

E. Hydrogeology

As per reference 3 and attachment 12: "The Tertiary and Cretaceous volcanics rocks yield small to moderate amounts of ground water". "The Juana Díaz formation has limited importance to the ground water as a result of low permeabilities. The associated ground water is generally saline as a result of connate waters or ocean water entrapped in the interstices at the time the sediment was deposited". "The groundwater associated with the Ponce Limestone is generally of poor quality".

"A well drilled by the Puerto Rican Aqueduct and Sewer Authority in 1959 indicated that the water level was about 35 feet below the ground surface at the Holocene alluvium. The alluvium is the major source of ground water in the area".

Two permeabilities tests that were run on the south of the Hg Landfill area. Refer to Attachment 20 for the study on permeability, cation exchange capacity, mineralogy and grain size. Tests were run for the clayey silt and silty clay layers, and the results were 6.0 E-4 and 8.0 E-5 cm/sec, respectively. According to the study, lower permeabilities might exist in these materials at greater depths below the zone of root activity or dessication.

GE_CARIBE000700

IV. SUMMARY OF VISUAL SITE INSPECTIONS

Two visits were conducted at the Caribe GE, Juana Díaz during the RFA procedures.

In order to visually inspect the Superfund site (Mercury Landfill), a Preliminary visit was first conducted on August 12, 1988 during which the following personnel met with Mr. José Márquez, Environmental Coordinator: Carlos O'Neill, EPA Caribbean Office, Jackie Moya and Laura Brown, EPA Washington, Aida T. Fuentes, EQB. A letter requesting facility information was handed to Mr. José Márquez. Refer to Attachment 13 for a copy of the letter and the questionnaire.

A meeting was conducted on December 20, 1988 between Mr. José Márquez and Aida T. Fuentes in order to complete information about the facility regarding its history, operations, solid waste management units and to review facility's files. Files reviewed included the following: Hazardous Waste Storage Log and Hazardous Waste Inspection Record.

On site-visit inspection was performed on December 21, 1988 during which photos from the SWMU's and AOC were taken. Ms. Yamira L. Rivera, Mr. Néstor M. Rivera and Ms. Aida T. Fuentes from EQB met with Mr. José Márquez, Mrs. Milagros Ruiz and Mr. Stephen Brown from GE in order to inspect the manufacturing process, the SWMU's and AOC. Refer to Attachment 7 for copy of the field notes. A re-inspection of the units was performed on February 8, 1989.

Following is a summary of observations made during the visual site inspection of the facility:

a) Electroplating Area

Green solid buildups were observed on the concrete floor at the back side of the nickel solution tank and at the tank outlet. Leaks on lines from the Zinc, Tin, Acid Salts and Rinse tanks were observed. Some leaks drains into a canal which goes to the neutralization tank, bases of all the tanks are corroded; a mobile tank was observed near the electroplating area labeled as tin sludge and containing a greenish-brown sludge; also a drum containing tin-strip was observed in the area.

b) Old Waste Water Treatment Plant

Sedimentation tank can not be visually inspected. The plant will be in use till December 23, 1988.

GE_CARIBE000701

c) Shipping Dock

Raw materials were being received; a while dust was observed on the floor.

d) Mercury Landfill

Facility run-off is collected through a pipe and diverted through the side of the landfill toward the empty land near the company; landfill side towards the shoe factory has no containment control for releases from the landfill.

e) Container Storage Area No. 1 (CSA1)

Ten (10) drums of 55 gallons containing sludge F006 were observed.

f) Container Storage Area No. 2 (CSA2)

Two levels for storage of drums containing spent oil; absorbent material with oil stains was observed within the CSA dike.

g) New Waste Water Treatment Plant

It was installed and ready for use by January 9, 1989. The plant consist of a chromate treatment tank, neutralization tank, floculation unit, sludge holding tank and a filter press.

h) Container Storage Area No. 3 (CSA3)

It is divided into two different areas; the area designated for storage of metal scrap was full of raw materials such as Sodium Hydroxide, Sodim Metabisulfite, zinc chloride, copper, boric acid, cadmium chloride.

i) Raw Material Storage Area

Small area behind the new Waste Water Treatment Plant for storage of acids.

GE_CARIBE000702

V. SOLID WASTE MANAGEMENTS UNITS

A. SWMU1

SWMU1 consists of a land disposal unit which is waste fill contaminated with mercury. It is located to the west side of the facility. Refer to Attachment 14 for location of the site in the Generalized Site Setting Map.

The waste fill limits are approximately 110 by 430 feet in an area immediately west of the plant. The area of the primary waste fill occupies approximately 30,000 square feet and is estimated to have a volume of about 108,000 cubic feet (4,000 cubic yards). The area south of the waste fill was apparently cultivated for sugar cane in the past and is now an open field. Several occupied houses of Juana Díaz are located about 430 feet south of the waste fill. A fence line roughly forms the parallels this line on the west and drains from north to south. The waste fill formally received storm water runoff directly from the plant area. This run off was diverted by construction of a drain pipe in 1982.

The landfill was used between 1957 and 1969 as a receptor for processed defective mercury buttons. Refer to Attachment 15 for a chronological history of the site. The landfill is included in the National Pollution Priority List and has been under the Superfund since 1981. The unit is currently inactive.

Photos 12 through 14 presents differents aspects of the landfill.

Attachment 16 describes the geology and the hydrogeology of the site.

A Hydrometallurgical Treatment has been recommended as an alternative for remedial action at the site. The recommended alternative consists of dissolve the Mercury in as leaching agent namely, cyanide, hypochlorite or nitric acid and recoverying the Mercury afterwards by means of various metallurgical techniques such as filtration and cementation/ precipitation.

The remedial alternative will be tested in pilot scale studies prior to its full implementation.

Table 3 summarizes the most important information pertinent to SWMU1.

GE_CARIBE000703

TABLE 3: Solid Waste Management Unit No. 1 (SWMU1)

	SWMU
Unit Name	Mercury - Contaminated Landfill
Location	Immdiately west of the plant. See Attachment 14 for location.
Unit Description	110 by 460 feet area; volume of 108,000 cubic feet. See photos 12-14.
Release Control	Storm-water runoff received by the lanfill was diverted by construction of a drain pipe in 1982. There is no containment system for control of releases.
Date Operations Started	1957 - 1969
Current Status	Inactive
Wastes Managed	Processed Defective Mercury buttons
Environmental Setting	Refer to Attachment 16
Release History	Included in the National Pollutant Priority List and has been under the Superfund since 1981.

GE_CARIBE000704

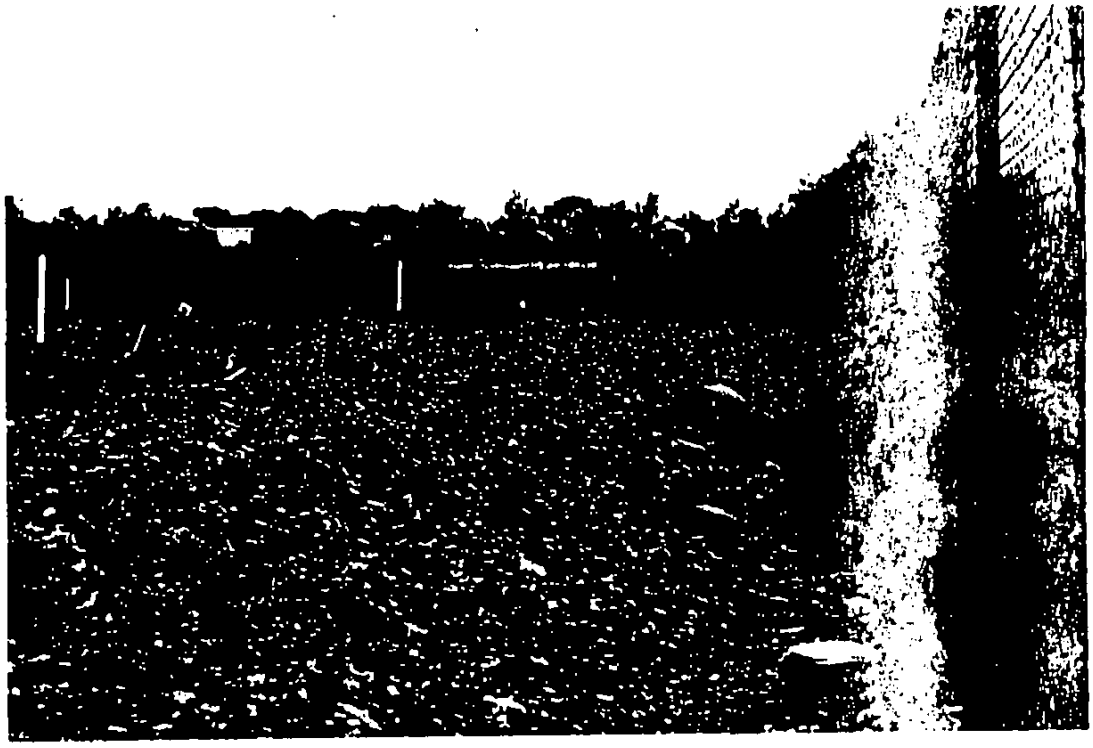


Photo no. 12: Mercury - Contaminated Landfill (to the [illegible]

Photo no. 13: Mercury - Contaminated Landfill (to the [illegible])

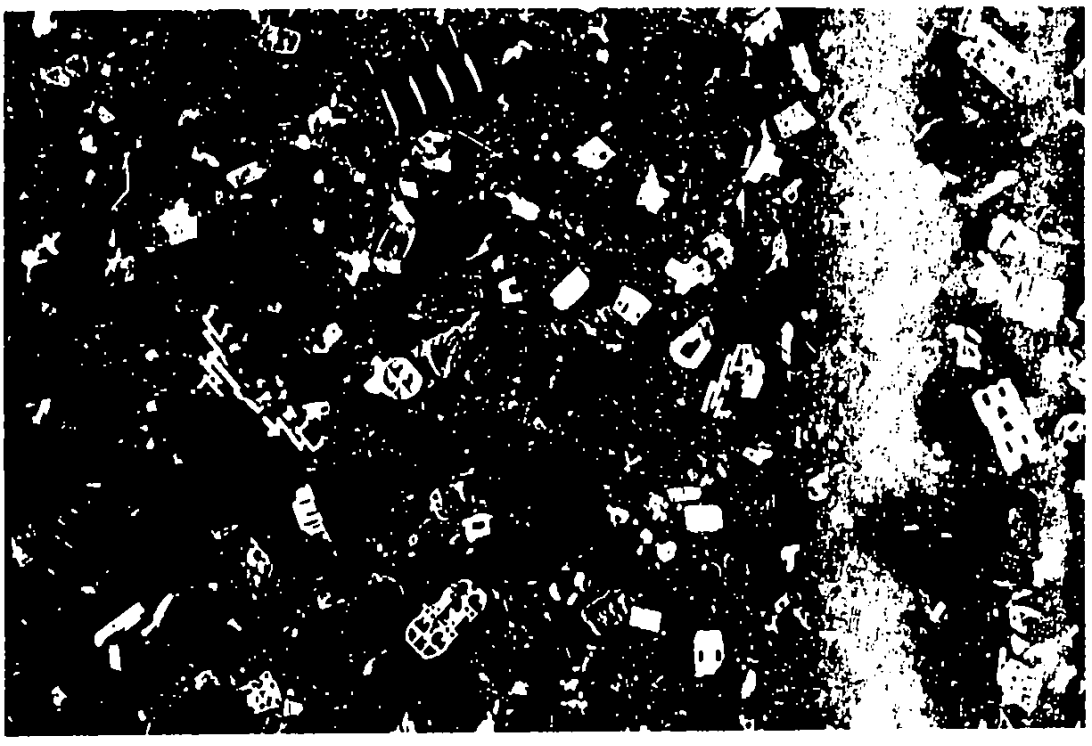


Photo no. 14: Mercury - Contaminated Landfill (detail)

B. SWMU2

SWMU2 has been identified as the Container Storage Area No. 1 (CSA1). It is located outside Building No. 2 at the south-west end of the property. Refer to maps on Attachments 13, and 17 for location of SWMU2.

The east, south and west sides of the unit are constructed of concrete blocks to a height of 36 inches and 5 ft. chainlink fence for a total height of 8 feet. There are 4 gates on the north side of the unit. The unit measures 12 ft. x 40 ft. for a total area of 480 sq. ft. It has concrete sidewalks on all four sides. The floor is constructed of 4 inches thick concrete with three (3) run-off trenches connected to three (3) sumps by 4 in. PVC pipes. The concrete floor and the run-off trenches are a monolithic pour. Run-on or run-off is controlled by concrete walls, run-off trenches and corrugated metal roof. The roof prevents rainfall from falling directly on the unit. Run-on is prevented from entering or leaving the unit by block walls on the east, south and west sides. The sump measures 3 ft. x 3 ft. x 3 ft. for a total volume of 27 cu-ft. They are constructed of 4 inches thick concrete walls and floor.

Refer to Attachment 18 for details of the CSA1 and the sumps. Photos 15 through 18 present different aspects of the unit and its containment system.

The unit has been active since 1980 and will be closed shortly since a Closure Plan was submitted and awaits for public comments. The CSA1 has an estimated maximum capacity of storage of 125, 55 gallon drums. Hazardous wastes stored in this facility include F006 sludge and D007, spent chromate solution from electroplating processes. Copy of Analysis report for the sludge and spent chromate is included in Attachment 13. Estimated annual quantity for both wastes are 12.0T for the sludge and 1.0T for the spent chromate solution.

Since the unit secondary containment for the control of releases seems to be adequate, the probability that any hazardous waste releases from the unit reach the soil and groundwater is considered to be low. Probability of air emmissions from drums is also considered to be low since drums are properly sealed.

Table No. 4 summarizes most important information pertinent to the unit.

GE_CARIBE000708

TABLE 4: Solid Waste Management Unit No. 2 (SWMU2)

SWMU	
Unit Name	Container Storage Area No. 1 ([illegible])
Location	Outside Building No. 2, at the [illegible] end of the property. See maps [illegible] Attachments 13 and 17.
Unit Description	12 ft x 40 ft; 4 in thick con[illegible] floor; 8 feet height; 4 gates [illegible] north side; roof.
Release Control	3 run-off trenches connected [illegible] by 4 in. PVC pipes. Sump volu[illegible] ft^3; maximum capacity = 125 [illegible] gal.).
Date Operations Started	1980
Current Status	Active, but Closure Plan has [illegible] submitted.
Waste Managed	F006 sludge, D007 wastes
Environmental Setting	Low probability of releases [illegible] soil, groundwater and air.
Release History	No evidence of release.

GE_CARIBE000709

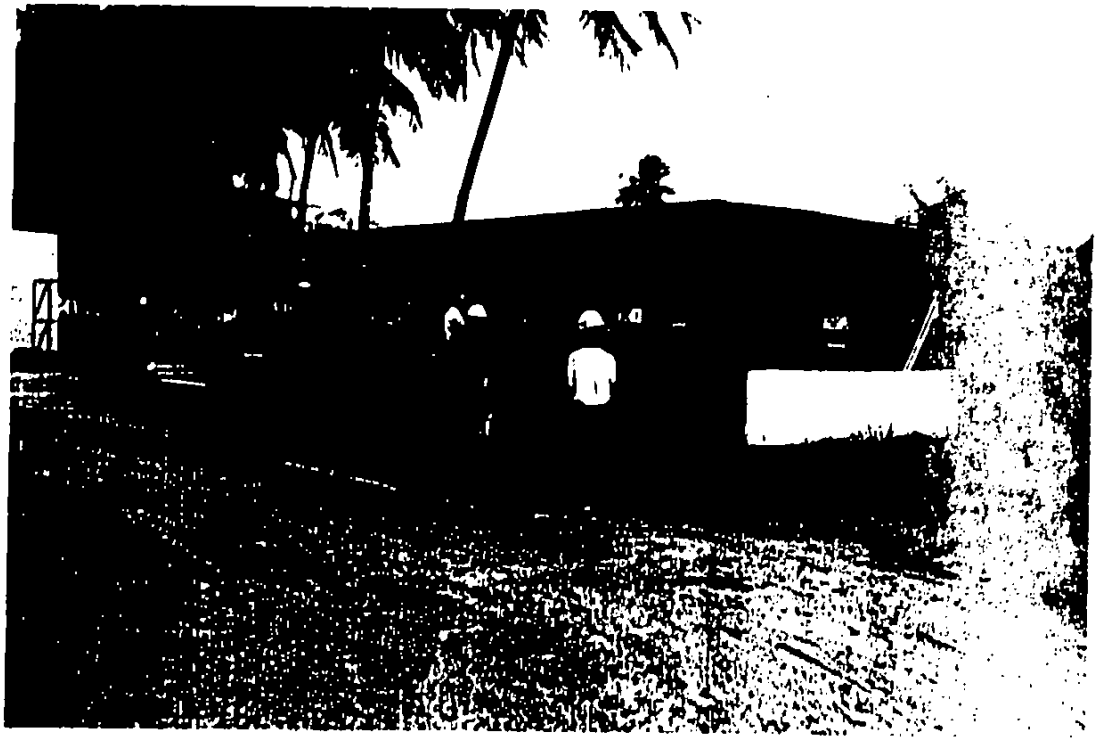


Photo no. 15: Container Storage Area no.1 (CSA1)

Photo no. 16: Container Storage Area no. 1 (CSA1)
(close-up of containment system)

Photo no. 17: Container Storage Area no. 1 (CSA1)
(close-up of containment system)

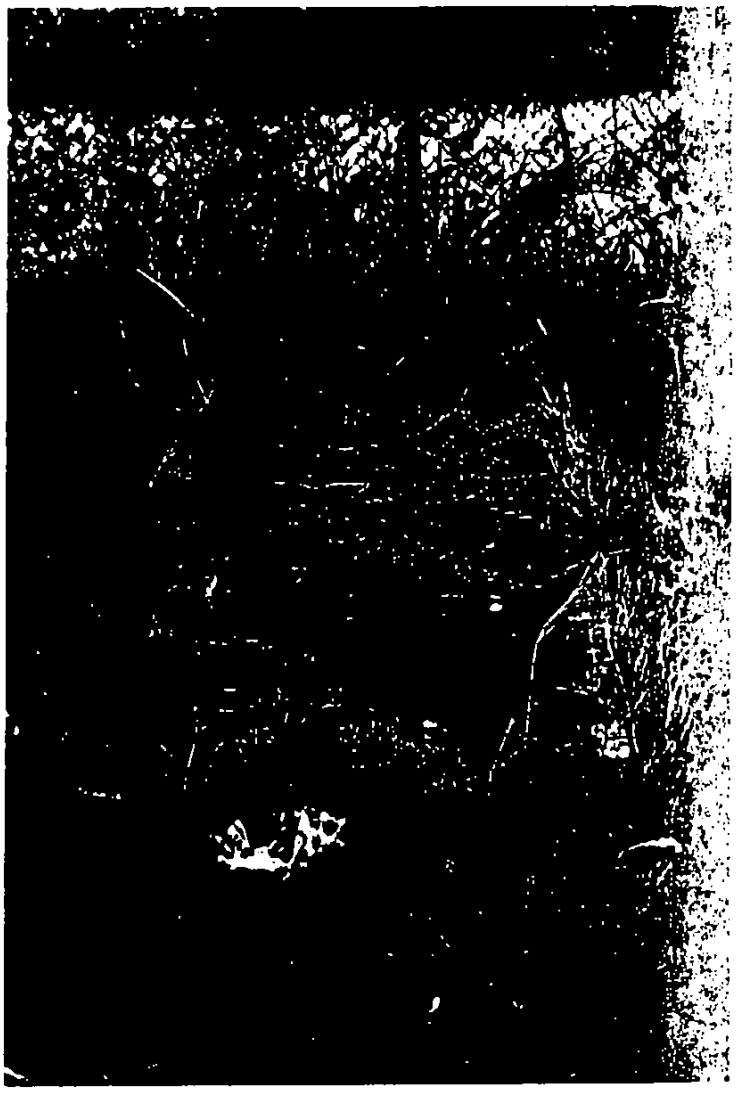


Photo no. 18: Sumps of the Container Storage Area no 1 (CSA1)

C. SWMU3

SWMU3 has been identified as the Container Storage Area No. 2 (CSA2). It is located to the south part of the facility. Refer to the map on Attachment 13 for location of SWMU2.

SWMU3 consists of an area of 180 square feet with 3 sides aluminum wall. It is protected from weather by a roof. Photo No. 19 presents a front view of the Container Storage Area.

The unit has a dike of 5 x 25 ft for control of releases. The containment system has a capacity for holding of 500 gallons. It has a concrete floor.

The unit is utilized for storage of non-regulated non-hazardous used oil since 1986. The spent oil is mostly generated from the injection molding machinery. Small quantities of spent oil are generated in the tool room. An estimated annual quantity of 1,980 gallons of spent oil is managed in the unit.

Any accidental spill within the area is managed using absorbent material within the containment system. During the site visit inspection, absorbent material with oil stains was observed within the CSA dike. Since the unit's containment system and management of releases seems to be adequate, potential for soil and groundwater contamination is considered to be low.

Table 5 summarizes all the most important information related to the SWMU3.

TABLE 5: Solid Waste Management Unit No. 3 (SWMU3)

SWMU	
Unit Name	Container Storage Area No. 2
Location	South part; see Attachment 13
Unit Description	180 sq. ft. area; 3-sides aluminum wall; roof. See photo 19.
Release Control	5 x 25 ft. dike; 500 gal holding capacity.

GE_CARIBE000714

Date Operations Started	1986
Current Status	Active
Wastes Managed	Non regulated non-hazardous [illegible]
Environmental Setting	Low Potential for soil/ground[illegible] contamination.
Release History	Absorbent material with oil [illegible] within the dike were observed during the site visit.

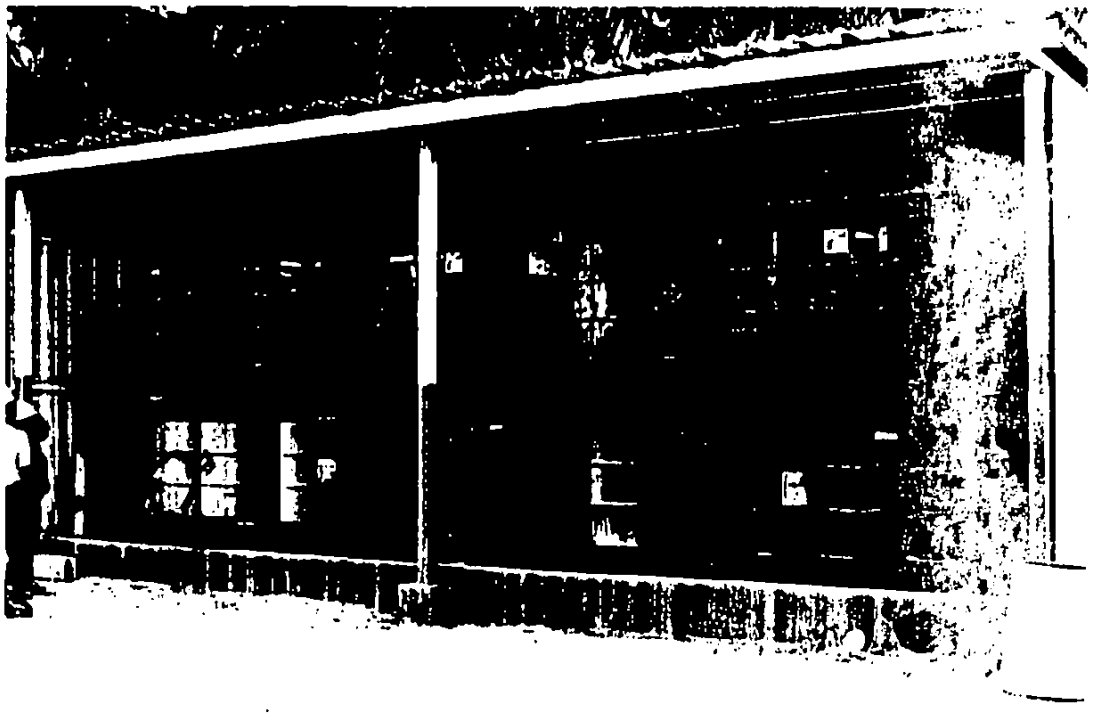


Photo no. 19: Container Storage Area no.2 (CSA2)
(front view)

D. SWMU 4

SWMU4 has been identified as the Container Storage Area No. 3 (CSA3). It consists of two outdoors areas, Area No. 1 is located between buildings No. 1 and No. 2 near the shipping dock and Area No. 2 is located at the south part of the property. Refer to map on Attachment 13 for location.

Area 1, protected by roof has concrete floor and is used to store brass scrap. It is fenced around its perimeter. Area 2 is used to store Cold Rolled Steel. It is an area of 6[illegible]-ft. with a 100 drums capacity. Drums in this area are covered with a plastic bag to avoid getting water inside when it rains. Photo 20 present a front view of the CSA3, Area 2.

The unit start on 1981 and it is still active. An estimated annual quantity of 360 tons of metal scrap is managed at the unit.

The unit has no containment system because nature of waste managed at the unit does not worth it. However, during inspection performed on December 21, 1988 and on February 9, 1989, Area 2 was being utilized for storage of raw materials such as Sodium Hydroxide, Sodium Metabisulfide, Zinc Chloride, Copper, Boric and, Calcium Chloride, among others.

Since the unit has no containment system, any accidental spill of any raw material could reach the soil around the unit. However due to the low permeabilities attributable to the site soils, potential that releases could reach the groundwater is considered to be low.

Table 6 summarizes most important information related to the SWMU4.

TABLE 6: Solid Waste Management Unit No. 4 (SWMU4)

	SWMU
Unit Name	Container Storage Area No. 3
Location	Area 1 - between buildings No. 1 and No. 2, near shipping dock. Area 2 - south part. See Attachment 13.
Unit Description	Area 1 - roof, concrete floor, fence around its perimeter Area 2 - 636 sq. ft.

GE_CARIBE000717

Release Control	No Containment System
Date Operations Started	1981
Current Status	Active
Wastes Managed	Brass Scrap and Cold Rolled Steel swap.
Environmental Setting	Potential for soil contamination. Low potential for ground-water contamination.
Release History	Release potential exists due to the fact that raw materials has being stored at CSA3, area 2.

GE_CARIBE000718

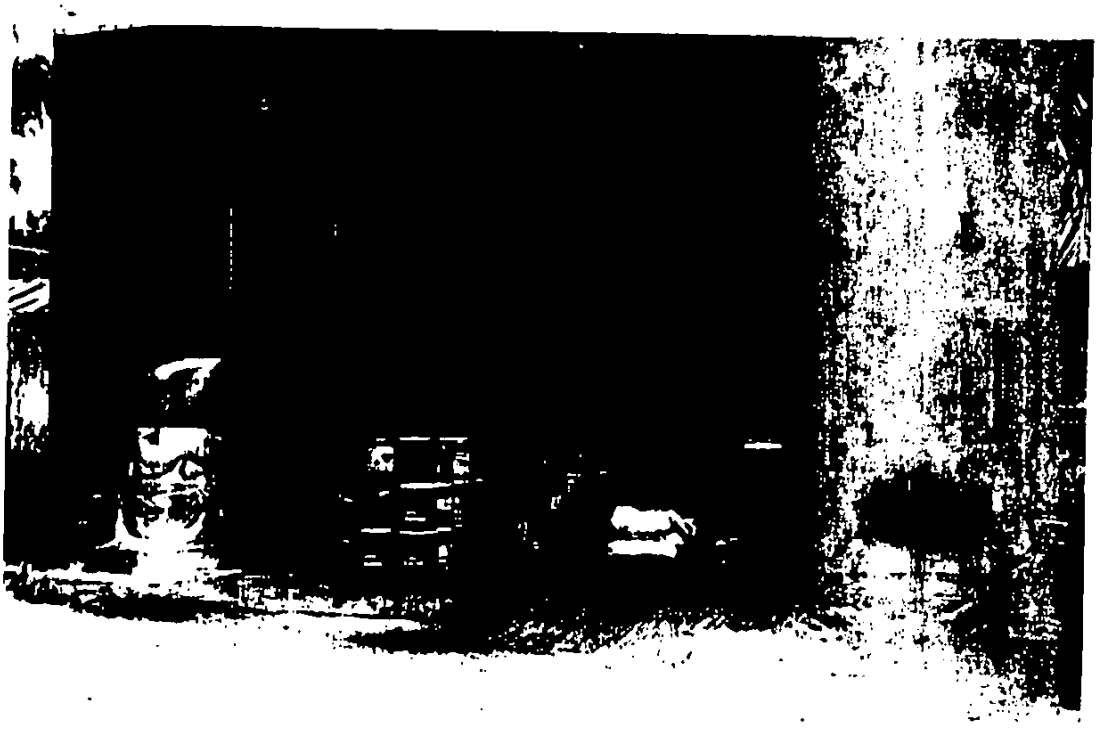


Photo no. 20: Container Storage Area no.3 (CSA3), [illegible]
(Note that the unit was utilized for [illegible]
of Raw Materials)

E. SWMU5

SWMU5 has been identified as the Wastewater Treatment unit no. 1 (WWT-1). It is located next to Building No. [illegible] to the south part of the facility. Refer to map on Attachment No. [illegible] for location.

The unit consists of an open aboveground tank made of fiberglass material. It has a volume of 125 gallons. It has been in operations since 1971 and was in used till December, 1981. Water and sludge remaining in the tank will be transferred to the New Wastewater Treatment Plant by a pump.

WWTT1 is part of the facility's wastewater treatment plant and it is utilized for chromates oxidation - reduction process. Hexavalent chrome from the electroplating process is chemically reduced to tri-valent chrome in WWTT1 by addition of a mixture of sodium metabisulfite and sulphuric acid to control pH in the tank. An annual quantity of 230,000 gals. is estimated to be managed in WWTT1.

The tank unit is placed within a containment system in a manner resembling a basement. Refer to photo 6 and 7 to get a perspective of the Wastewater Treatment Plant.

Since the containment system as well as the tank are old structures, there is a potential of chromates releases into the soil. Releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site.

Table 7 summarizes most important information of SWMU5.

TABLE 7: Solid Waste Management Unit No. 5 (SWMU5)

SWMU	
Unit Name	Wastewater Treatment Tank No. 1 (WWTT1)
Location	Next to Building No. [illegible] to the south. See Attachment [illegible].
Unit Description	Aboveground tank; fiberglass; 125 gal. volume capacity.
Release Control	Containment system resembling a basement. See photos [illegible] 7.

GE_CARIBE000720

Date Operations Started	1971
Current Status	Active till December [illegible]
Waste Managed	Hexavalent chrome fro[illegible] electroplating proces[illegible].
Environmental Setting	Potential release to s[illegible] and groundwater (low).
Release History	No evidence reported.

GE_CARIBE000721

Photo no. 5: Old Wastewater Treatment Plant
(In the second level, there is one [illegible] for Sodium Metabisulfite Solution and one [illegible] Sulphuric Acid)

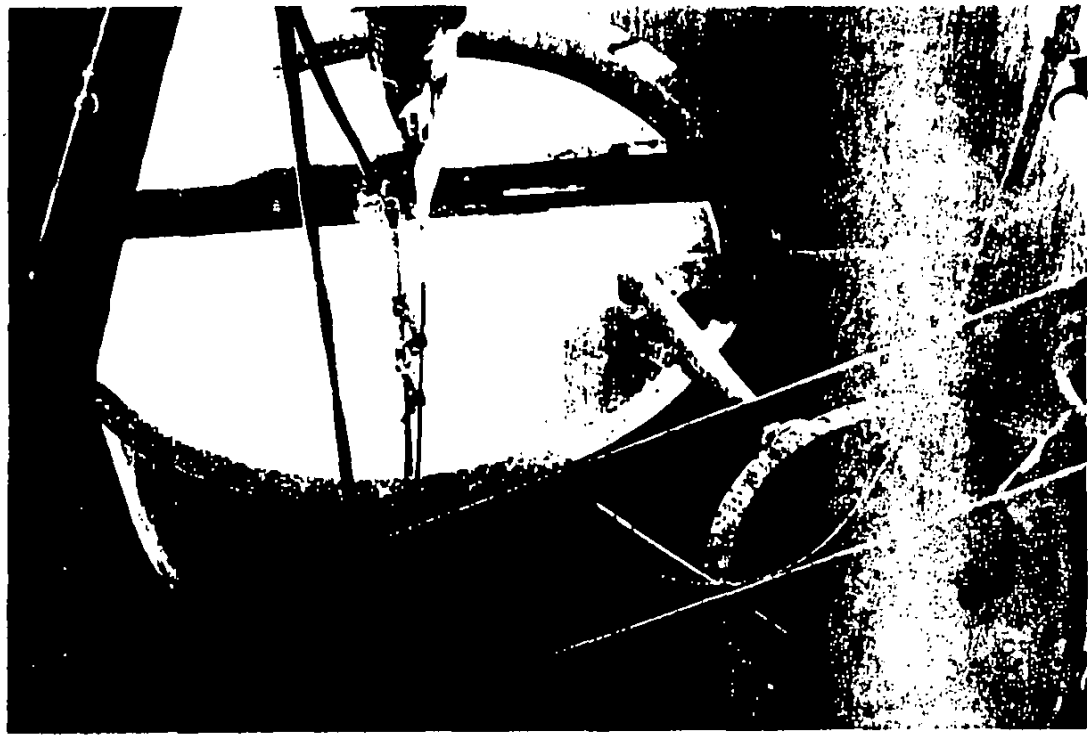


Photo no. 7: Old Wastewater Treatment Plant
(In the first level, there is the new [illegible] tank and the chromate-reduction tank which is [illegible])

F. SWMU6

SWMU6 is identified as the Waste Water Treatment Tank No. 2 (WWTT2). It is located next to Building No. 2 [illegible] part of the facility. Refer to map on Attachment No. [illegible] location.

The unit consists of an open aboveground tank [illegible] a volume capacity of 500 gallons. It has been in operation since 1971 and was in used till December, 1988. Water and sludge remaining in the tank will be transferred to the New Wastewater Treatment Plant by a pump.

WWTT2 is part of the facility's Wastewater Treatment Plant and it is utilized for neutralization of the electroplating wastewaters and chromate reduction wastewaters. The reduced chromium wastes consisting of trivalent chromium at pH 2.0 flow to the neutralization tank for combined treatment with non-chromates wastes which consists of concentrated acid and/or alkali wastes from the periodic dumping of spent baths along with dilute wastes from rinses following all non-chromate solutions. A pH of 8.5 is maintained in the neutralization tank by addition of caustic soda. An annual quantity of 1,[illegible] gallons is estimated to be managed in WWTT2.

The tank unit is placed within a containment system in a manner resembling a basement. Refer to photos 6 and 7 to get a perspective of the Wastewater Treatment Plant.

Since the containment system as well as the tank are old structures, there is a potential of wastewaters released into the soil. Releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site.

Table 8 summarizes most important information of SWMU6.

GE_CARIBE000724

TABLE 8: Solid Waste Management Unit No. 6 (SWMU6)

	SWMU
Unit Name	Wastewater Treatment Tank No. 2 (WWTT2)
Location	Next to Building No. [illegible] to the south. See Attachment [illegible].
Unit Description	Open-aboveground tank; [illegible]0 gallons volume capacity.
Release Control	Containment system resembling a basement. See photos [illegible] 7.
Date Operations Started	1971
Current Status	Active till December 1988
Waste Managed	Reduced chrome wastes and non-chromate wastes.
Environmental Setting	Potential releases to soil and groundwater (low).
Release History	No evidence reported.

GE_CARIBE000725

G. SWMU7

SWMU7 has been identified as the Wastewater Treatment Tank No. 3 (WWT-3). It is located next to Building No. 2 to the South part of the facility. Refer to map on Attachment No. 13 for location.

The unit consists of a large underground settling tank. The tank is made of reinforced concrete and have a [illegible] capacity of 6,000 gallons. Refer to Attachment 21 for [illegible] drawings of the tank. Photo No. 8 shows the aperture [illegible] the tank. It has been in operations since 1971 and was [illegible] till December, 1988. Sludge remaining in the tank is being transferred to the New Wastewater Treatment Plant by a pump.

WWTT3 is part of the facility's wastewater treatment plant and it is utilized for removal of all the undesirable solids prior to a gradual metering of the neutral wastewater into the sewer system. Wastewaters from Treatment plant are analyze twice a year and results are informed to PRAA. Refer to Attachment 3 for a copy of last report. F006 sludge is generated during the sedimentation of the solids. Refer to Attachment 19 for a copy of an analysis report of the sludge.

The unit has no release control.

Since the tank walls are old structures, there is a potential of F006 waste and wastewaters releases into the soil. Releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site.

Table 9 summarizes the most important information of SWMU7.

GE_CARIBE000726

TABLE 9: Solid Waste Management Unit No. 7 (SWMU7)

SWMU	
Unit Name	Wastewater Treatment [illegible] No. 3 (WWTT3)
Location	Next to Building No. [illegible] South part; See Attachment [illegible].
Unit Description	Large underground [illegible]ing tank; reinforced concrete [illegible]ls; 6,000 gallons volume capa[illegible]. See Attachment 21 and pl[illegible] no. 8.
Release Control	None
Date Operations Started	1971
Current Status	Active till Decemb[illegible]
Waste Managed	Neutral Wastewater; [illegible] sludge.
Environmental Setting	Release potential to [illegible] and groundwaters (low).
Release History	Tank cannot visuall[illegible]ected.

GE_CARIBE000727

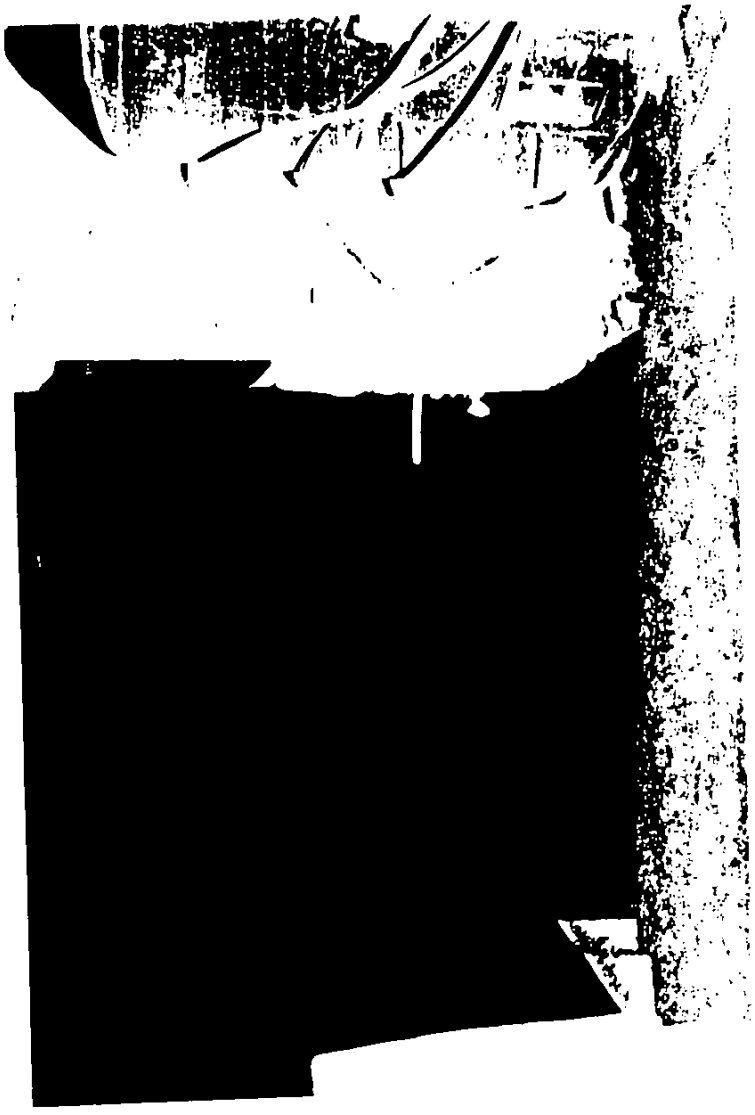


Photo no. 8: Aperture of the underground settling tank, Wastewater Treatment Tank no. 3 (WWT-3) (Old Wastewater Treatment plant)

VI. Areas of Concern

A. AOC1

Area of Concern No. 1 consists of a Satellite [illegible] utilized for destripping of brass pieces. The satellite [illegible] is located in the electroplating area.

The operation is performed in a small metal [illegible] every 6 months or every year as necessary. Refer to photo No. [illegible] for picture of the tank.

A tin sludge is generated at the tank. By the [illegible] of the inspection (December 21, 1988), a tank and a drum [illegible] found half full of tin sludge. Accumulation date could not [illegible] determined. However, on a re-inspection performed on [illegible] 8, 1989 tin sludge from both containers were mixed and [illegible] at the CSA1 while characterization of the waste was completed.

Since this operation is not routinely performed, there was a concern about the maldisposition of the tin sludge.

B. AOC2

Area of concern No. 2 consists of the Electroplating area. The area is located next to building No. 2 to the south part of the facility.

The electroplating of pieces is carried in different tanks depending upon the kind of plating finish desired for the pieces. Refer to Attachment 25 for a scheme of the electroplating area.

During visual site inspection performed on December 21, 1988 and February 8, 1989 bases of tanks were observed to be corroded and lines from most of the tanks were leaking. Nickel buildup were observed in the outlet of the Nickel tank and over the concrete floor. Refer to photos 2,3, 5 and 10 for evidence of field observations.

Although some of the leaks are canalized through channels into the Old Wastewater Treatment Plant, there is a potential of soil contamination from leakings and metal build up.

GE_CARIBE000729

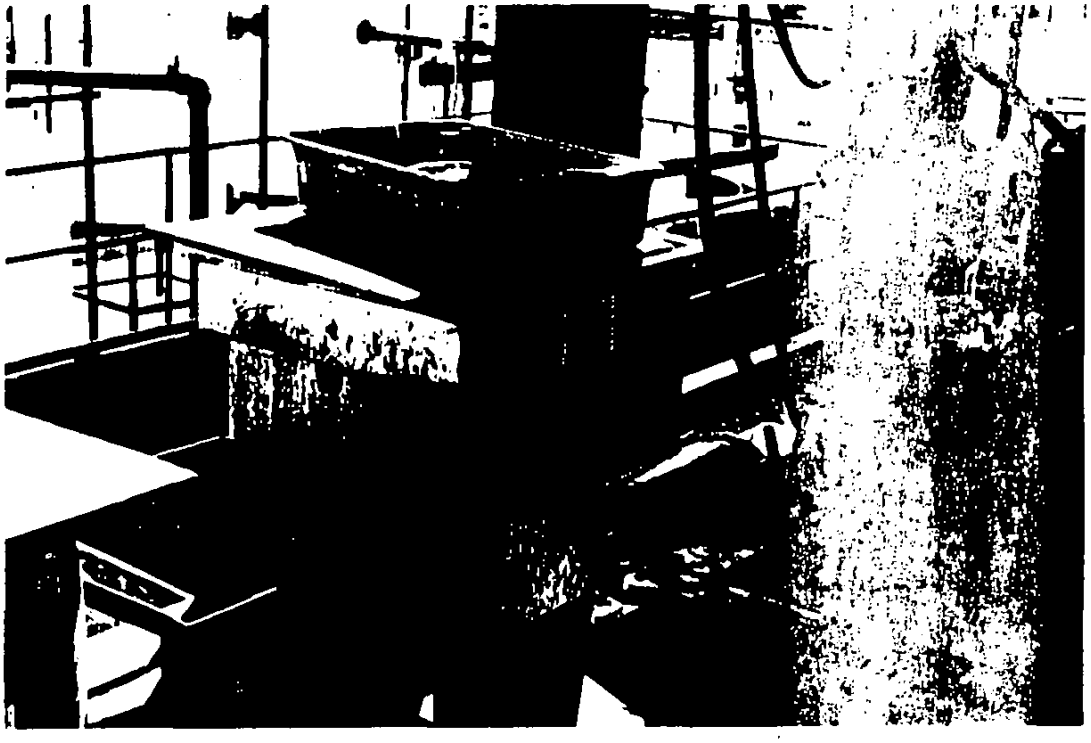


Photo no. 1: Tin Sludge Tank (Satellite Area for [illegible] of brass pieces, AOC1)

Photo no. 2: Nickel buildup over the concrete floor [illegible] outlet valves, (Electroplating Area, [illegible]

Photo no. 3: Nickel buildup in the outlet valve of the Nickel tank. (Closed-up)

Photo no. 5 : Electroplating Area, Area of Conc[illegible]

Photo no. 10: Electroplating Area, AOC2
(leaks from electroplating tank lines

VII. Conclusions and Further Actions

Seven (7) Solid Waste Managements Units (SWMU's) and two (2) Areas of Concern (AOC) have been identifed at Caribe General Electric Products, Inc. of Juana Díaz, Puerto Rico (PRD090282757) as part of the RCRA Facility Assessment (RFA) performed to the Company on December, 1988.

Identified units include the followings:

a) SWMU1 - Mercury contaminated landfill
b) SWMU2 - Container Storage Area No. 1 (CSA1)
c) SWMU3 - Container Storage Area No. 2 (CSA2)
d) SWMU4 - Container Storage Area No. 3 (CSA3)
e) SWMU5 - Wastewater Treatment unit No. 1 (WWTT1)
f) SWMU6 - Wastewater Treatment unit No. 2 (WWTT2)
g) SWMU7 - Wastewater Treatment unit No. 3 (WWTT3)
h) AOC1 - Sattelite area for destripping of brass pieces
i) AOC2 - Electroplating area

Each unit presents different potentials of releases to the environmental media. Following is a summary of each unit release potential and their respective recommendations for corrective actions:

1) SWMU1 - as a Superfund site soil contamination with mercury has been established. Remedial action has been chosen to be a Hydrometallurgical Treatment. Wastes generates from the implementation of the remedial actions should be manifested and disposed of as hazardous waste as per RCRA requirements.

2) SWMU2 - has low potential of release to soil, ground-water and air due to the adequacy of its secondary containment system. No further action is required at this time.

3) SWMU3 - has low potential of release to soil and groundwater due to the adequacy of its secondary containment system and management of accidental spills. No further action is required at this time.

4) SWMU4 - Since Area 2 of SWMU4 has been utilized for storage of raw materials and the area has no containment system, there is a potential of releases to the soil. Release potential to groundwater is considered to be low due to the low

GE_CARIBE000735

permeabilities attributable to the site soils. It is recommended that the area should be solely utilized for the storage of metal scrap. A memorandum will be sent to the Inspection, Monitoring and Surveillance (IMS) Section of EQB's Hazardous Waste Division in order to inform them of the situation and make the company complies with the recommendation. Refer to Attachment 27 for copy of the memo.

5) SWMU5 - has a potential of chromates releases into the soil due to the fact that the unit containment system as well as the tank are old structures. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed.

6) SWMU6 - has a potential of wastewater releases into the soil due to the fact that the unit containment system as well as the tank are old structures. However releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed.

7) SWMU7 - has a potential of F006 waste and wastewaters releases into the soil due to the fact that the tank walls are old structures. However, releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed.

8) AOC1 - There is a concern about the maldisposition of the tin sludge. A memorandum should be sent to the Inspection, Monitoring and Surveillance Section of the EQB's Hazardous Waste Division informing them the situation to watch that the company disposed of the sludge in an appropriate manner. Refer to Attachment 27 for copy of the memo.

9) AOC2 - has a potential of soil contamination due to leakings and metal buildups from the electroplating tanks. A memorandum should be sent to the Inspection, Monitoring and Surveillance Section of the EQB's Hazardous Waste Division informing them the situation in order to insure that the company repairs leaking lines and corroded tanks. Refer to Attachment 27 for copy of the memo.

Table 10 summarizes the potential release pathways and further actions recommended for each identified unit.

GE_CARIBE000736

TABLE 10: Summary of Potential Release Pathways and Further Actions

UNIT	UNIT NAME	POTENTIAL RELEASE PATHWAYS	FURTHER ACTION
SWMU1	Hg-Lanfill	Soil, Groundwater	Hydrometallurgical Treatment; manifest and disposed of hazardous wastes generates during remedial action.
SWMU2	CSA1	Low potential to soil, groundwater and air	No further action
SWMU3	CSA2	Low potential to soil and groundwater	No further action
SWMU4	CSA3	Soil; low to groundwater	Memo to IMS section to make that CSA3 be utilized solely for metal scrap storage. See Attachment 27.
SWMU5	WWTT1	Soil	Develop procedure for decontamination.
SWMU6	WWTT2	Soil; low to groundwater	Develop procedure for decontamination.
SWMU7	WWTT3	Soil; low to groundwater	Develop procedure for decontamination.
AOC1	Sattelite Area (Brass Destripping)	Maldisposition of in sludge	Memo to IMS section to watch company disposed of sludge appropriately. See Attachment 27.
AOC2	Electroplating Area	Soil	Memo to IMS section to insure company repairs leaking lines and corroded tanks. See Attachment 27.

GE_CARIBE000737

REFERENCES

1) "Comments on the RFA Report for Corporación Sublistática", EPA - Region II, 1988.

2) RCRA Facility Assessment Guidance, US Environmental Protection Agency, Washington, D.C.

3) Report Submittal Hydrogeological Investigation, Waste Fill Area, Juana Díaz, Puerto Rico, Law Engineering Job number MH1223, June 19, 1981.

4) Toxic and Hazardous Industrial Chemicals Safety Manual, The International Technical Information Institute, Japan, 1981.

5) Geologic Map of the Ponce Quadrangle, Puerto Rico Map I-683 by Richard D. Krushensky and Watson H. Monroe, 1975.

ATF/eas

GE_CARIBE000738

APPENDIX P

EPA REGION II FILE SUMMARIES

REGION: 02 STATE: PR PRD090262757 CARIBE GE PROD.,INC. JUANA DIAZ PLANT LAST UPDATE: 11/10/88

KM 67 CARRETERA NC 149
EXISTENCE DATE: 10/01/71 JUANA DIAZ PR 00665 CLOSURE DATE:
809/837/2500

COUNTY: JUANA DIAZ 075 DISTRICT: BASIN: LATITUDE: 180503.0 LONGITUDE: 0663003.0

FACILITY STATUS: 1 MODIFY/CONSTRUCT: COMMERCIAL: NON-REGULATED: OWNER TYPE: P FACILITY TYPE: GEN TRANS TSDF

MAILING ADDRESS	OWNER ADDRESS	OPERATOR ADDRESS
RODLES, HERIBERTO MGR.	PUERTO RICO INDUSTRIAL DEVELOPMENT CO	GENERAL ELECTRIC CO.
PO BOX 1430	GPO BOX 2350	KM 67 CARRETERA NC 149
JUANA DIAZ PR 00665	SAN JUAN PR 00936	PR
	809/767-4747	809/837-2500

INDICATORS

CONFIDENTIALITY NOTIF : 0
CONFIDENTIALITY PART A : 0
NATURE BUSINESS IND : A
MAP STATUS IND : A
DRAWING STATUS IND : A
PHOTO STATUS IND : A
INDIAN LAND IND : N
OWNER/OPERATOR IND : N

NOTIFICATION DATA

PERMIT STATUS: 4
NOTIFICATION RECEIVED: 6/18/80
NOTIFICATION ACKNOWLEDGED: 5/31/88
PART A RECEIVED: 11/19/80
(1) PART A ACKNOWLEDGED: 1/15/81
(2) PART A ACKNOWLEDGED:

PERMITS / DESIGN CAPACITY

TYPE	NUMBER	PROCESS	AMOUNT	UNIT	STATUS
		S02	4750.000	G	U
		S01	935.000	G	U
		T01	8640.000	U	U

SIC CODES

3643

TRANSPORTATION

ROAD
WATER

WASTE DESCRIPTION

WASTE CODE: D001	ESTIMATED AMOUNT:	MT	PROCESSES:	
WASTE CODE: D002	ESTIMATED AMOUNT:	MT	PROCESSES:	
WASTE CODE: D008	ESTIMATED AMOUNT:	1.87750 MT	PROCESSES:	S01
WASTE CODE: F006	ESTIMATED AMOUNT:	41.15059 MT	PROCESSES:	T01 S02
WASTE CODE: F007	ESTIMATED AMOUNT:	.84823 MT	PROCESSES:	S01
WASTE CODE: F008	ESTIMATED AMOUNT:	.23814 MT	PROCESSES:	S01
WASTE CODE: F009	ESTIMATED AMOUNT:	.41549 MT	PROCESSES:	S01

COMMENTS

451 810224 GEN
157 820310 10.18371 WFD FORMULA

PERMITTING

This report shows the permitting, closure, and corrective action activities for all hazardous waste facilities that have these types of records.

Process Codes

D79 = Injection Well
D80 = Landfill
D81 = Land Application
D82 = Ocean Disposal
D83 = Surface Impoundment Disposal

S01 = Container Storage
S02 = Tank Storage
S03 = Waste Pile
S04 = Surface Impoundment Storage

T01 = Tank Treatment
T02 = Surface Impoundment Treatment
T03 = Incinerator
T04 = Other Treatment

Process Units of Measures

A - Acre-Feet
B - Acres
C - Cubic Meters
D - Tons (short) per hour
E - Gallons per hour
F - Hectare-Meter
G - Gallons

H - Liters per hour
J - Pounds per hour
K - BTUs per hour
L - Liters
N - Tons (short) per day
O - Hectares

R - Kilograms per hour
S - Metric Tons per hour
U - Gallons per day
V - Liters per day
W - Metric Tons per hour
Y - Cubic yards

Activity Type - Gen

1 = Generator of Hazardous Waste — 1000 kg per month or more.
2 = Small Quantity Generator of Hazardous Waste — 100 kg per month.
3 = Very Small (Conditionally Exempt) Generator of Hazardous Waste - - less than 100 kg per month.

Activity Type - Trans

X = Transporter of Hazardous Waste

Activity Type - TSD (Treatment, Storage, and/or Disposal)

C = Facility formerly had land disposal activities which are now clean closed. Facility may also have incinerator and/or storage and/or treatment units.
D = Facility is engaged in land disposal of hazardous waste. Facility may also have incinerator and/or storage and/or treatment units.
I = Facility has an incinerator for hazardous wastes. Facility may also have units for storage and/or treatment of hazardous wastes.
S = Facility has units for storage and/or treatment of hazardous wastes.
U = Facility is engaged in underground injection of hazardous wastes.

2 6 MAY 19

GE_CARIBE000741

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CARIBE GE PROD.,INC. JUANA DIAZ PLANT  KM 87 CARRETERA NO 149          JUANA DIAZ                  CC665
  PRD090282757   K                     COUNTY: JUANA DIAZ

  INITIAL EVALUATION 09/04/84  (#001)
    FOLLOW-UP            CONDUCTED 11/15/84  (#C1)                          CONTACT:
      VIOLATIONS FOUND: CLASS  GWM C/P FIN P/B C/S MAN CTH L/B RSP AG
                        =====  === === === === === === === === ======
                          1                                X     PREQB

    INFORMAL ACTION                  ISSUED FOR CLASS 1 OTHER VIOLATION #01
       DATE OF ACTION:        11/15/84    ACTION TAKEN BY:      PREQB
       COMPLIANCE SCHEDULED: 11/16/84     COMPLIANCE ACHIEVED: 03/28/85  STATUS:          ENFORCEMENT ACTION RESOLVED

      VIOLATIONS FOUND: CLASS  GWM C/P FIN P/B C/S MAN CTH L/B RSP AG
                        =====  === === === === === === === === ======
                          2                                X     PREQB

    3008 WARNING LETTER/NOV          ISSUED FOR CLASS 2 OTHER VIOLATION #01
       DATE OF ACTION:        12/19/84    ACTION TAKEN BY:      PREQB
       COMPLIANCE SCHEDULED: 01/03/85     COMPLIANCE ACHIEVED: 03/28/85  STATUS:          ENFORCEMENT ACTION RESOLVED

  INITIAL EVALUATION 11/15/85  (#005)
    EVALUATION INSPECTION CONDUCTED 11/15/85  (#C1)                         CONTACT: EQB
      VIOLATIONS FOUND: CLASS  GWM C/P FIN P/B C/S MAN CTH L/B RSP AG
                        =====  === === === === === === === === ======
                          1                                0     PREQB     GENERATOR/TRANSPORTER/TSD

      VIOLATIONS FOUND: CLASS  GWM C/P FIN P/B C/S MAN CTH L/B RSP AG
                        =====  === === === === === === === === ======
                          2                                X     PREQB     GENERATOR/TRANSPORTER/TSD

    3008 WARNING LETTER/NOV          ISSUED FOR CLASS 2 OTHER VIOLATION #01
       DATE OF ACTION:        11/15/84    ACTION TAKEN BY:      PREQB
       COMPLIANCE SCHEDULED: 11/16/84     COMPLIANCE ACHIEVED: 03/28/85  STATUS:          ENFORCEMENT ACTION RESOLVED

       COMMENTS: 01. RESOLVED
  INITIAL EVALUATION 12/12/85  (#003)
    RECORD REVIEW        CONDUCTED 12/12/85  (#C1)                          CONTACT: EQB
      VIOLATIONS FOUND: CLASS  GWM C/P FIN P/B C/S MAN CTH L/B RSP AG
                        =====  === === === === === === === === ======
                          1                0                     PREQB     FINANCIAL DOCUMENTS

      VIOLATIONS FOUND: CLASS  GWM C/P FIN P/B C/S MAN CTH L/B RSP AG
                        =====  === === === === === === === === ======
                          2                0                     PREQB     FINANCIAL DOCUMENTS

  INITIAL EVALUATION 06/27/86  (#004)
    EVALUATION INSPECTION CONDUCTED 06/27/86  (#C1)                         CONTACT: EQB
      VIOLATIONS FOUND: CLASS  GWM C/P FIN P/B C/S MAN CTH L/B RSP AG
                        =====  === === === === === === === === ======
                          1                                X     PREQB     GENERATOR/TSD
```

3006 FINAL COMPLIANCE ORDER ISSUED FOR CLASS 1 OTHER VIOLATION #03
DATE OF ACTION: 02/03/88 ACTION TAKEN BY: PREGB
COMPLIANCE SCHEDULED: 03/03/88 COMPLIANCE ACHIEVED: 02/09/88 STATUS: ENFORCEMENT ACTION RESOLVED

VIOLATIONS FOUND: CLASS GWM C/P FIN P/B C/S MAN OTH L/B RSP AG
2 X PREGB GENERATOR/TSD

3006 WARNING LETTER/NOV ISSUED FOR CLASS 2 OTHER VIOLATION #01
DATE OF ACTION: 01/29/87 ACTION TAKEN BY: PREGB
COMPLIANCE SCHEDULED: 03/01/87 COMPLIANCE ACHIEVED: 07/29/87 STATUS: ENFORCEMENT ACTION RESOLVED

VIOLATIONS FOUND: CLASS GWM C/P FIN P/B C/S MAN OTH L/B RSP AG
1 X PREGB GENERATOR/TSD

3006 COMPLIANCE COMPLAINT ISSUED FOR CLASS 1 OTHER VIOLATION #01
DATE OF ACTION: 03/25/87 ACTION TAKEN BY: PREGB
COMPLIANCE SCHEDULED: 05/15/87 COMPLIANCE ACHIEVED: 02/09/88 STATUS: ENFORCEMENT ACTION RESOLVED
PENALTY ASSESSED: 0000600 PENALTY COLLECTED:

3006 FINAL COMPLIANCE ORDER ISSUED FOR CLASS 1 OTHER VIOLATION #02
DATE OF ACTION: 11/15/87 ACTION TAKEN BY: PREGB
COMPLIANCE SCHEDULED: 12/11/87 COMPLIANCE ACHIEVED: 02/09/88 STATUS: ENFORCEMENT ACTION RESOLVED

3006 FINAL COMPLIANCE ORDER ISSUED FOR CLASS 1 OTHER VIOLATION #04
DATE OF ACTION: 02/03/88 ACTION TAKEN BY: PREGB
COMPLIANCE SCHEDULED: 03/03/88 COMPLIANCE ACHIEVED: 02/09/88 STATUS: ENFORCEMENT ACTION RESOLVED

INITIAL EVALUATION 07/30/88 (#006)
RECORD REVIEW CONDUCTED 07/30/88 (#CI) CONTACT: EGB
VIOLATIONS FOUND: CLASS GWM C/P FIN P/B C/S MAN OTH L/B RSP AG
1 0 PREGB

VIOLATIONS FOUND: CLASS GWM C/P FIN P/B C/S MAN OTH L/B RSP AG
2 X PREGB

3006 WARNING LETTER/NOV ISSUED FOR CLASS 2 MANIFEST VIOLATION #01
DATE OF ACTION: 08/04/88 ACTION TAKEN BY: PREGB
COMPLIANCE SCHEDULED: 08/14/88 COMPLIANCE ACHIEVED: 08/11/88 STATUS: ENFORCEMENT ACTION RESOLVED

INITIAL EVALUATION 09/17/88 (#007)
SAMPLING/CASE DEVELOP CONDUCTED 09/17/88 (#CI) CONTACT: EGB
VIOLATIONS FOUND: CLASS GWM C/P FIN P/B C/S MAN OTH L/B RSP AG
1 2 PREGB OTHER INSPECTION

VIOLATIONS FOUND: CLASS GWM C/P FIN P/B C/S MAN OTH L/B RSP AG
2 2 PREGB OTHER INSPECTION

INITIAL EVALUATION 06/02/87 (#003)
PART-B CALL IN INSP. CONDUCTED 06/02/87 (#01) CONTACT: EGB

VIOLATIONS FOUND:	CLASS	GWM	L/P	FIN	P/B	C/S	MAN	OTH	L/B	RSP	AG	
	1								0	PREGL		OTHER INSPECTION

VIOLATIONS FOUND:	CLASS	GWM	L/P	FIN	P/B	C/S	MAN	OTH	L/B	RSP	AG	
	2								A	PREGL		OTHER INSPECTION

3006 WARNING LETTER/NOV ISSUED FOR CLASS 2 OTHER VIOLATION #01
DATE OF ACTION: 07/09/87 ACTION TAKEN BY: PREGO
COMPLIANCE SCHEDULED: 08/09/87 COMPLIANCE ACHIEVED: 10/16/87 STATUS: ENFORCEMENT ACTION RESOLVED

INITIAL EVALUATION 09/20/88 (#009)
EVALUATION INSPECTION CONDUCTED 09/20/88 (#01) CONTACT: EGB

VIOLATIONS FOUND:	CLASS	GWM	L/P	FIN	P/B	C/S	MAN	OTH	L/B	RSP	AG	
	1								2	PREGO		

VIOLATIONS FOUND:	CLASS	GWM	L/P	FIN	P/B	C/S	MAN	OTH	L/B	RSP	AG	
	2								2	PREGO		

CARIBE GE PRODUCTS INC A STREET EL TUQUE INDUST PARK PONCE 00732
PRO000069105 A COUNTY: PONCE

INITIAL EVALUATION 03/26/86 (#001)
EVALUATION INSPECTION CONDUCTED 03/26/86 (#01) CONTACT: EGB

VIOLATIONS FOUND:	CLASS	GWM	L/P	FIN	P/B	C/S	MAN	OTH	L/B	RSP	AG	
	1								0	PREGO		GENERATOR/TSD

VIOLATIONS FOUND:	CLASS	GWM	L/P	FIN	P/B	C/S	MAN	OTH	L/B	RSP	AG	
	2								A	PREGO		GENERATOR/TSD

3006 WARNING LETTER/NOV ISSUED FOR CLASS 2 OTHER VIOLATION #01
DATE OF ACTION: 09/30/86 ACTION TAKEN BY: PREGO
COMPLIANCE SCHEDULED: 10/30/86 COMPLIANCE ACHIEVED: 06/02/88 STATUS: ENFORCEMENT ACTION RESOLVED

3006 WARNING LETTER/NOV ISSUED FOR CLASS 2 OTHER VIOLATION #02
DATE OF ACTION: 02/19/87 ACTION TAKEN BY: PREGO
COMPLIANCE SCHEDULED: 03/22/87 COMPLIANCE ACHIEVED: 06/02/88 STATUS: ENFORCEMENT ACTION RESOLVED

INITIAL EVALUATION 06/12/88 (#002)
SAMPLING/LAB DEVELOP CONDUCTED 06/12/88 (#01) CONTACT: EGB

VIOLATIONS FOUND:	CLASS	GWM	L/P	FIN	P/B	C/S	MAN	OTH	L/B	RSP	AG	
	1								2	PREGO		GENERATOR/TSD

CMEL (Compliance Monitoring & Enforcement Log)

This report gives the complete compliance history for facilities that have been inspected by an authorized state or the EPA.

Area of Evaluation

GWM	Ground Water Monitoring	C/P	Closure/Post Closure	FIN	Financial
P/B	Part B	C/S	Compliance Schedule	MAN	Manifest
OTH	Other	L/B	Land Ban		

Types of Violations

X One or more violations detected
O No violations found for this area of evaluation
S The only violations that were found were reported on a previous inspection and remain uncorrected
Z Area under review - compliance determination pending
I Not in compliance with financial liability requirements
R Release addressable by 3008 (H) was detected
C Compliance schedule violation relating to corrective action
H High priority violation
B Both (X and C, X and I, or X and R)

Attachment C-10

26 MAY 1988

C2101 ACTION ITEM CODES / C2106 STATUS CODES

PERMIT HEADER
P = OPERATING PERMIT
R = RCRA 3 PERMIT
W = POST-CLOSURE PERMIT
M = MODIFICATION PERMIT

ALT NO	ACTION ITEM	ALT NO	ACTION ITEM	ALT NO	ACTION ITEM
P01	PART B CALL-IN MAILING	P02	PART B RECEIVED *CR = CONFIDENTIALITY REQUESTED *CS = CONFIDENTIALITY SUBSTANTIATED *CU = CONFIDENTIALITY UNSUBSTANTIATED	P03	APPLICATION REVIEWED FOR COMPLETENESS *CO = COMPLETE *IN = INCOMPLETE
P04	ADDITIONAL INFO REQUESTED/(N.O.D.)	P05	ADDITIONAL INFORMATION RECEIVED *CO = COMPLETE *IN = INCOMPLETE	P06	APPLICATION DETERMINED TO BE COMPLETE
P07	PROJECT DECISION SCHEDULE ISSUED	P08	TRIAL BURN PLAN SUBMITTED	P09	TRIAL BURN PLAN REVIEWED
P10	TRIAL BURN PLAN APPROVED	P11	TRIAL BURN RESULTS REPORTED	P12	TRIAL BURN RESULTS REVIEW COMPLETED *MT = RESULTS MEET TARGET *MN = RESULTS DO NOT MEET TARGET *RQ = RESULTS QUESTIONABLE
P13	PUB NOTICE ISSD ON DRF PRMT/INT TO DENY *DP = DRAFT PERMIT ISSUED *ID = INTENT TO DENY	P14	PUBLIC NOTICE ISSUED FOR HEARING *EP = EPA *LO = LOCAL *CI = CITIZEN *AP = APPLICANT *ST = STATE *EN = ENVIRONMENTAL *IY = INDUSTRY	P15	PUBLIC HEARING HELD *IP = INFORMAL PUBLIC *PN = PANEL
P16	FINAL PERMIT ISSUED/DENIED *PI = RCRA PERMIT ISSUED;HSWA NOT REQD *PD = PERMIT DENIED *PP = PERMIT/DRAFT PERMIT ISSUED BY STATE HSWA REQMTS BUT PERMIT NOT ISSUED *PJ = RCRA PERMIT ISSUED W/ HSWA REQMTS CORR ACT COMPLY SCHED *PG = RCRA PERMT/DRFT PERMT ISSUED W/ HSWA REQMTS; CORR SCHD OF COMPL NOT NEEDED	P17	FINAL PERMIT EFFECTIVE	P18	PERMIT DECISION APPEALED
P19	AGENCY ACTION ON APPEAL *RD = REVIEW OF DECISION *DI = DECISION ISSUED W/NO REMAND *RC = REMAND PROCEEDINGS COMPLETED	P20	PERMIT MODIFIED *GW = GROUNDWATER MONITORING MOD *CA = RSWA CORRECTIVE ACTION MOD *GC = GROUNDWATER MONITR & CORR ACT MOD *OF = OTHER MODIFICATION *AC = ADDITIONAL CAPACITY *MD = MODIFICATION REQUEST DENIED *RW = MODIFICATION REQUEST WITHDRAWAL	P21	PERMIT REVOKED AND REISSUED

P22 PERMIT TERMINATED

P23 PERMIT TRANSFERRED

P24 EVIDENTIARY HEARING REQUESTED
*TP = TERMINATE PERMIT
*CP = CONSOLIDATED PERMIT
*NR = NPDES RELATED CONDITION

P25 EVIDENTIARY HEARING GRANTED/DENIED
*EG = GRANTED
*ED = DENIED

P26 FOR NOTIC ISSD FOR EVIDENTIARY HEARING

P27 EVIDENTIARY HEARING HELD

P28 PRESIDING OFFICER DECISION ISSUED
*PT = PERMIT TERMINATED
*PE = PERMIT EFFECTIVE

P29 PRESIDING OFFICER DECISION APPEALED

P30 AGNCY ACT ON APPL OF PRES OFF DECISN
*PT = PERMIT TERMINATED
*PE = PERMIT EFFECTIVE

P31 JUDICIAL REVIEW REQUESTED

P32 PERMIT APPL WITHDRWL REQST DETRMNTN
*AR = APPROV REQUEST;HAS APPROV CLOS PLAN
*DR = DENIED REQUEST;PART B REQD
*FE = FILED IN ERROR;NON-REG,CLOS NOT REQD

P33 PERMIT APPL WITHDRWL REQUESTED
*LN = LESS THAN 90 DAYS STORAGE
*NW = NON-REGULATED WASTES
*FC = FACILITY CLOSED
*SG = SMALL QUANTITY GENERATOR
*FE = FILED IN ERROR
*OT = OTHER REASON FOR WITHDRAWAL

P34 PERMIT APPL REFERRED TO AUTHRZD STATE

P35 PERMIT APPL UNDER FULL PAT REVIEW

P36 PERMIT EXPIRED

P37 DOUBLE LINER WAIVER REQUEST RECEIVED

P38 DOUBLE LINER WAIVER REQUEST DETRMNTN
*AR = APPROVED REQUEST
*DR = DENIED REQUEST

P39 FACILITY MANAGEMENT PLAN SCREEN
*ES = ENVIRONMENTALLY SIGNIFICANT
*NS = NOT ENVIRONMENTALLY SIGNIFICANT

P40 FACILITY MANAGEMENT PLAN APPROVED

P41 FSWA INFORMATION REQUESTED

P42 REGIONALLY DEFINED

P43 EXPOSURE INFORMATION RECEIVED
*CO = COMPLETE
*IN = INCOMPLETE

P44 EXPOSURE INFORMATION REVIEWED
*YE = YES
*NO = NO

P45 EXP INFO REFERD FOR HEALTH ASSESSMENT

P46 PREV NON-REG RCRA SWMU PRESENT AT FAC
*YE = YES
*NO = NO
*UN = UNKNOWN

P47 SWMU PRESENCE VERIFIED BY AGENCY
*YE = YES
*NO = NO

P48 RELEASES IDENTIFIED BY FACILITY
*YE = YES
*NO = NO
*UN = UNKNOWN

P49 RELEASES VERIFIED BY AGENCY
*YE = YES
*NO = NO

P50 CERTIFCTN FOR COMPLNC W/GRNDWTR MONTRNG
*QC = QUESTIONABLE CERTIF
*CL = CERTIFIES FOR ALL UNITS
*PC = CERTIFY SOME UNITS
*LI = FAILED CERT FOR LIABILITY INS

P51 CERTIFICATION FOR COMPLIANCE

P52 REGIONALLY DEFINED

P53 REGIONALLY DEFINED

P54 RCRA FACILITY ASSESSMENT
*RN = REMEDIAL INVESTIGATION UNNECESSARY
*RX = REMEDIAL INVESTIGATION NECESSARY

P55 RCRA FACILITY INVESTIGATION IMPOSED
*IF = FIRST PHASE OF RI FOR FACILITY
*IC = COMPLETE RI REQRD FOR ENTIRE FACILITY

P56 RCRA FAC INV PLN RCVD/DVLP BY EPA/STATE

P57 RCRA FAC INV PLN APPV BY PRPT OR ENF ACTN
*RP = REMEDIAL INVESTIGATION PLAN APPROVD THRU ISSUANCE OF PERMIT/PERMIT MOD
*RC = REMEDIAL INVESTIGATION PLAN APPROVD THRU AN ENFORCEMENT ORDER

P58 CORRECTIVE MEASURES REMEDY SELECTED
*CA = REMEDY UNNECESSARY
*CB = REMEDY NECESSARY, PERMIT, PERMIT MOD, OR ENFORC ORDER FOR ENTIRE FACILITY
*CF = REMEDY NECESSARY, PERMIT, PERMIT MOD, OR ENFORC ORDER FOR PART OF FACILITY

P59 CORRECTIVE MEASURES PLAN APPROVED

P60 CORRECTIVE MEASURES PLAN COMPLETED

P61 FIN ASSUR & CORRECTIV ACTION IN PLACE

P62 FACILITY NOTIFIED OF DETERM OF COMPLI

P63 GROUNDWATER MONITORING PROGRAM DEVLPD
*DM = DETECT MONTR THR DRFT PRMT/PRMT MOD
*DC = DETECT MONTR THR ENFORCEMENT ORDER
*PC = COMPL MONTR THR DRFT PRMT/PRMT MOD
*OC = COMPL MONTR THR ENFORCEMENT ORDER
*AA = CORRCTV ACT THR DRFT PRMT/PRMT MOD
*OA = CORRCTV ACT THR ENFORCEMENT ORDER

P66 INTERIM MEASURES REQUIRED

P67 INTERIM MEASURES COMPLETED

P68 SURF IMPOUND RTRCFTNG WAIVR REQST RECVD

P69 SURF IMPOUND RTRCFTNG WAIVR REQST DETMNP

P70 LAND DISPOSAL BAN PETITION RECEIVED

P71 LAND DISPOSAL BAN PETITION DETERMINATION
*AR = APPROVED REQUEST
*DR = DENIED REQUEST

P72 ALL STANDARD REQUEST RECEIVED

P73 ALL STANDARD REQUEST DETERMINATION
*AR = APPROVED REQUEST
*DR = DENIED REQUEST

P74 TANK SECNDRY CNTNMT WAIVER REQST RCVD

P75 TANK SECNDRY CNTNMT WAIVER REQST DETER
*AR = APPROVED
*DR = DENIED
*RW = WITHDRAWN

P76 CORRECTIVE MEASURES DESIGN APPROVED
*AG = DESGN APPRVD FOR LESS THN ALL FAC
*AH = DESGN APPRVD FOR ENTIRE FACILITY

P80 PERMIT APPLCTN REFD TO NON-AUTH STATE

P81 DRAFT PERMIT FROM STATE

P82 FINANCIAL REVIEW

P83 HEARING COMMENTS TO STATE/EPA

P84 HEARING RESPONSE FROM STATE/EPA

P85 NON-AUTH STATE/CONTRCTR DRAFT MOD

P86 FACT SHEET TO PAD

P87 FINAL PERMIT TO PAD

P88 ACB - INCINERATOR REVIEW

P89 CSD - WAP REVIEW

P90 GW HYDROLOGIST FOR GWP REVIEW

P91 PUBLIC NOTICE/FACTSHEET TO PUB AFFAIRS

P92 SITE VISIT AFTER CALL-IN

P93 SITE VISIT AFTER PART B RECEIVED

P94 ADJUDICATORY HEARING REQUESTED

P95 ADJUDICATORY HEARING GRANTED/DENIED
*GD = GRANTED
*DD = DENIED

P96 PUBLIC NOTICE FOR ADJUDIC. HEARING

P97 ADJUDICATORY HEARING HELD

****

R (RCRA PERMIT) AND W (POST-CLOSURE PERMIT) ACTION CODES ARE THE SAME AS THOSE FOR P (OPERATING PERMIT).

C = CLOSURE HEADER

C01 CLOSURE NOTICE RECEIVED	C02 CLOSURE PLAN REQUESTED	C03 CLOSURE PLAN SUBMITTED
C04 REVIEW OF CLOSURE PLAN COMPLETED	C05 COST/FUND ADEQUACY DETERMINATION	C06 PUBLIC NOTICE OF CLOSURE PLAN
C07 PUBLIC HEARING HELD	C08 FIRST DECISION MADE	C09 CLOSURE PLAN RESUBMITTED
C10 CLOSURE PLAN APPROVED *HE = FINAL CLOSURE *HD = PARTIAL CLOSURE	C11 CLOSURE PROCESS BEGUN *YE = YES;IN ACCORD W/PROCED *NC = NO;NOT IN ACCORD W/PROCED	C12 CLOSURE CERTIFICATION RECEIVED *YE = YES;IN ACCORD W/PLAN *NC = NO;NOT IN ACCORD W/PLAN
C13 CLOSURE PERIOD COMPLETED	C14 FACILITY RELEASED FROM CLOSURE REQMTS	C15 DATE INSPECTED TO CONFIRM CLOSURE
C80 ADDITIONAL INFORMATION REQUESTED	C81 ADDITIONAL INFORMATION RECEIVED	C82 REOPEN CLOSURE PLAN REVIEW

C = POST-CLOSURE HEADER

L01 CLOSURE NOTICE RECEIVED	L02 CLOSURE PLAN REQUESTED	L03 CLOSURE/POST-CLOSURE PLAN SUBMITTED *CL = CLOSURE *PC = POST-CLOSURE
L04 REVIEW OF CLOS/POST-CLOS PLAN COMPLTD *CL = CLOSURE *PC = POST-CLOSURE	L05 COST/FUND ADEQUATE TO CLOS/POST-CLSR *CL = CLOSURE *PC = POST-CLOSURE	L06 PUBLIC NOTICE OF CLOSURE/POST-CLOSURE *CL = CLOSURE *PC = POST-CLOSURE
L07 PUBLIC HEARING HELD *CL = CLOSURE *PC = POST-CLOSURE	L08 FIRST DECISION MADE *CL = CLOSURE *PC = POST-CLOSURE	L09 CLOSURE/POST-CLOSURE PLAN RESUBMITTED *CL = CLOSURE *PC = POST-CLOSURE
L10 CLOSURE/POST-CLOSURE PLAN APPROVED *HE = FINAL CLOSURE *HD = PARTIAL CLOSURE *HF = FINAL POST-CLOSURE *HP = PARTIAL POST-CLOSURE	L11 CLOSURE PROCESS BEGUN *YE = YES;IN ACCORD W/PROCED *NC = NO;NOT IN ACCORD W/PROCED	L12 CLOSURE PERIOD COMPLETED
L13 POST-CLOSURE PERIOD BEGUN *YE = YES;IN ACCORD W/PROCED *ND = NO;NOT IN ACCORD W/PROCED *PC = RECEIPT OF SURVEY PLAN	L14 CLOSURE CRTIFCTN OR SURVEY PLAN RECVD *YE = YES;IN ACCORD W/PLAN *NC = NO;NOT IN ACCORD W/PLAN	L15 POST-CLOSURE RECORD OF WASTE RECEIVED
L16 POST-CLOSURE PERIOD COMPLETED	L17 FACILITY RELEASED FROM CLOSURE REQMTS	L18 FACILITY RELEASED FROM POST-CLO REQMTS
L19 DATE INSPECTED TO CONFIRM CLOSURE	L20 DATE INSPECTED TO CONFIRM POST-CLOSURE	
L80 ADDITIONAL INFORMATION REQUESTED	L81 ADDITIONAL INFORMATION RECEIVED	L82 REOPEN POST-CLOSURE PLAN REVIEW

CARIBE GE PROD.,INC. JUANA DIAZ PLANT
PRD090202757

KM 67 CARRETERA NO 149
JUANA DIAZ PR 00665
COUNTY: JUANA DIAZ

STATE PERMIT WRITER: ( )
EPA PERMIT WRITER: SIN-KIE TJHU (P)

GENERAL FACILITY INFORMATION	TSDF/PERMIT STATUS INFORMATION	PART A PROCESS CODES	PART A PROCESS STATUS CODES	PROCESS CODE UNITS	
- NOTIFICATION RECEIVED: 08/16/80	- PART A RECEIVED: 11/19/80	(D) S02 475C.000 G	B=ON PART A & VERIFIED AS EXISTING	G=GALLONS	L=LITERS
- GENERATOR FLAG: 1 (FULL GEN.)	- EXISTENCE CODE: 1="EXISTING"	(D) S01 935.000 G		E=GAL/HR	H=LIT/HR
- TRANSPORTER FLAG: X	- EXISTENCE DATE: 10/01/71	(D) T01 8640.000 U		U=GAL/DAY	V=LIT/DAY
- TSDF FLAG: X	- TSDF TYPE: S (TSF)		L=ON PART A & VERIFIED AS	J=LBS/HR	K=KG/HR
- NON-REG. FLAG: (BLANK)	- COMMERCIAL FLAG: (NO)	TSDF TYPE BASED ON ABOVE		D=TON/HR	M=M.TON/HR
	- TSDF/PERMIT STATUS: 4	CODES: S (TSF)	NONEXISTENT	N=TONS/DAY	S=M.TON/DAY
	- PART A/B WITHDRAWAL CANDIDATE		R=NOT LISTED ON PART A BUT EXISTS	B=ACRES	G=HECTARES
	- NOV'88 LDF LOIS CERTIF:			A=ACRE-FT	F=HECT-MTR
	- (BLANK OR NOT APPLICABLE)			Y=CU.YARDS	C=CU.METERS
			C=ON PART A & EXISTENCE NOT VERIF'D	K=BTU/HR	

CLOSURE HEADER NO. 01	CLOSURE PROCESSES' STATUS CODES	PART B PROCESS CODES	PART B PROCESS CODES
REQUESTED CLOSURE PLAN TYPE: UNDETERMINED	R=REQUESTED...INFORMATION HAS BEEN REQUESTED BUT NOT YET RECEIVED.	(S) S01 935.000 G	
SUBMITTED CLOSURE PLAN TYPE: STORE/TREAT	S=SUBMITTED...INFORMATION REC'D		
APPROVED CLOSURE PLAN TYPE: UNDETERMINED	C=COVERED...PROCESS IS COVERED BY AN APPROVED CLOSURE PLAN.		

ACT NO	SEQ NO	ACTION ITEM	DUE DATE	ACTION DATE	STATUS CODE	RESP PERS	COMMENTS
C03	01	CLOSURE PLAN SUBMITTED		10/23/87		HWF	
C09	01	CLOSURE PLAN RESUBMITTED		05/17/88		SAL	
		OTHER			--	---	
		OTHER			--	---	
		OTHER			--	---	

PERMIT HEADER NO. 01	PERMIT PROCESSES' STATUS CODES	PART B PROCESS CODES		PART B PROCESS CODES	
CALLED PERMIT TYPE: STORE/TREAT	R=REQUESTED...INFORMATION HAS BEEN REQUESTED BUT NOT YET RECEIVED.	(R) S01 935.000 G	(R) S02 475C.000 G		
PART B PERMIT TYPE: STORE/TREAT		(R) T01 8640.000 U	(S) S02 475C.000 G		
COVERED PERMIT TYPE: UNDETERMINED	S=SUBMITTED...INFORMATION REC'D	(S) T01 8640.000 U			
	C=COVERED...PROCESS IS COVERED BY THE PERMIT/PERMIT-DENIAL.				

CONTINUED: CARIBE GE PROD.,INC. GUANA DIAL PLANT PRD090262757

ALT NO	SEQ NO	ACTION ITEM	DUE DATE	ACTION DATE	STATUS CODE	RESP PERS	COMMENTS
P01	01	PART 8 CALL-IN MAILING		04/21/87		SJG	
P33	01	PERMIT APPLICN WITHDRWL REQSTED		10/23/87	FC	SAC	TO1 - FE
		OTHER					
		OTHER					
		OTHER					

PART A REPORT

This report includes all hazardous waste handlers who have ever submitted a Part A application (request for permit to treat, store or dispose of hazardous waste). Please refer to the enclosed booklet entitled "Notification of Hazardous Waste Activity" for information concerning Waste Codes. Waste amounts are reported in metric tons.

Process Codes

D79 = Injection Well
D80 = Landfill
D81 = Land Application
D82 = Ocean Disposal
D83 = Surface Impoundment Disposal

S01 = Container Storage
S02 = Tank Storage
S03 = Waste Pile
S04 = Surface Impoundment Storage

T01 = Tank Treatment
T02 = Surface Impoundment Treatment
T03 = Incinerator
T04 = Other Treatment

Process Units of Measures

A - Acre-Feet
B - Acres
C - Cubic Meters
D - Tons (short) per hour
E - Gallons per hour
F - Hectare-Meter
G - Gallons

H - Liters per hour
J - Pounds per hour
K - BTUs per hour
L - Liters
N - Tons (short) per day
Q - Hectares

R - Kilograms per hour
S - Metric Tons per hour
U - Gallons per day
V - Liters per day
W - Metric Tons per hour
Y - Cubic yards

Nature of Business Indicator, Map Indicator, Drawing Indicator, Photo Indicator.

A - Present and acceptable
B - Present but not acceptable
N - Not present

Indian Land Indicator

Y - Facility is located on Indian Land
N - Facility is not located on Indian land

Owner/Operator Indicator

Y - Owner and operator are same
N - Owner and operator are different

Environmental Permit Type

K = Superfund
H = Area Well (FURS)
X = Other Federal
F = Dredge or Fill Program
Q = CDS
M = Municipal
T = DOT
W = Intrastate Regional Program

R = RCRA (hazardous waste)
N = NPDES (water discharges)
P = Air emissions
E = Other EPA Program
Y = CICIS (Chemical In Commerce Info System)
G = USGS
A = Interstate Regional Program

J = NOTIS
U = Underground injection
Z = Other non-Federal
L = FATES
B = Single Well (FURS)
D = DOE
S = State
C = County

Attachment C-7

2 6 MAY 1988

Hazardous wastes generated at the facility are listed in Table 2. The location of the hazardous waste generation points at the Caribe GE-Arecibo facility are presented on Figure 11. The Caribe GE-Arecibo facility has an interim status of Treatment Storage and Disposal (TSD) / Generator facility identified by the EPA identification No. PRD090399718. The facility is in the process of reclassifying to a generator only status. The sludge (F006), generated at the facility by the wastewater treatment unit is sent offsite for metal reclamation by Encycle Inc., in Corpus Christi, Texas. Similarly, F001 waste which is spent 1,1,1 Trichlorethane, used as a degreaser, is recycled by Safety Kleen Envirosystems in Manatí, Puerto Rico. D001 Waste lanoline is generated at the site and is also recycled by Safety Kleen Envirosystems. Waste paint (D001) is listed in Caribe GE-Arecibo's Part A because the molding processes which once operated at the site generated this waste. However, molding is no longer done on-site and therefore paint waste is no longer generated at this facility. F007, F008 and D002 waste, generated on-site, are processed in the on-site wastewater treatment unit (as defined in 40 CFR Part 260) pursuant to Secs. 264.1g6 and 265.1c10.

* description of proposed action does not address this issue

Eleven different points of air emission are permitted by the Environmental Quality Board (EQB) and their locations are presented in Figure 11. The points of emission are located throughout the manufacturing and electroplating processes. The electroplating process air emission points and their estimated quantities of principal pollutants released per hour from the electroplating facility are included in Table 3.

3.1.2 Electroplating Process

The finished products from the Caribe GE-Arecibo electroplating lines include various volumes of copper, nickle, chrome, silver, zinc and tin plated parts to be used

materials are placed in a peroxide mixture instead of an acid dip prior to the plating bath as in other plating processes. During the nickel, zinc, tin and zinc plating process on the Multi Line (Barrel) an acid dip is used which varies depending on the type of material being plated. Sulfuric acid is used on copper materials and muriatic acid is used on steel materials. During the Bright Dip Process nitric acid is used on copper at the same stage. Sodium cyanide is used in the Silver Dip process as a pre-plating agent.

During the later part of the zinc platting process on the Multi Line (Barrel) the plated material is dipped in 1% hydrochloric acid (HCL) and then in chromate prior to the final rinses and drying. The materials are also dipped in 1% HCL acid prior to the Chromate Process. The Tin Over Aluminum Process requires an alkaline etch and acid dip followed by a zincate dip prior to a copper strike. After the copper strike and a series of rinses the material is tin plated prior to the final rinse and drying.

All the electroplating lines currently operating at the Caribe GE-Arecibo facility are located within the electroplating building. The locations of the existing electroplating lines at the Caribe GE facility in Arecibo are shown on Figure 13.

3.1.3 Wastewater Treatment Process

existing at that moment

Wastewaters from the manufacturing process at the Caribe GE-Arecibo facility are collected in a system of sumps and pumped to an on site wastewater treatment facility. Cyanide and chrome bearing wastewaters from the electroplating process are discharged into the treatment facility through separate piping.

At the wastewater treatment facility the cyanide bearing wastewaters enter a tank where the cyanide oxidation process is initiated. These wastewaters continue on through

two other stages of cyanide oxidation. Then they enter the tank where they are mixed with the other wastewaters from the facility and the pH is adjusted .

At the wastewater treatment facility the chrome bearing wastewaters enter the tank where the first and second stage of chrome reduction occurs. Then these wastewaters also enter the tank where they are mixed with other wastewaters generated at the site and pH is adjusted.

Aluminum sulfate and calcium chloride which are stored in tanks adjacent to the pH adjustment tank are pumped as needed to the pH adjustment tank to raise the pH to above 6.0. The mixed wastewaters are then pumped to the neutralization tank where the pH is further adjusted to 10. The wastewaters then move to a clarifier where sludges are collected and filter pressed. The effluent from the clarifiers is then discharged into the PRASA system. A schematic diagram of the wastewater treatment process is included in Figure 14.

3.2 Proposed Action

3.2.1 Explanatory Memorandum

It is the goal of Caribe GE to consolidate, at the Arecibo facility, their electroplating operations currently located in Arecibo and Vega Alta, Puerto Rico. Such an effort would require the upgrade and expansion of the Arecibo facility. Caribe GE-Arecibo is therefore proposing to install two new electroplating lines to the facility and transferring two small electroplating lines from the Caribe GE-Vega Alta facility. To accommodate this expansion Caribe GE proposes to construct a roof and recondition a concrete floor area that now is used to store chemical materials utilized in the manufacturing process. Furthermore, the construction of a new chemical-storage building

3.2.3.3 Wastewater Treatment Area

proposed

A new ion exchange unit and a filter press currently used at the Vega Alta facility will be installed at the Caribe GE-Arecibo facility's Wastewater Treatment Area. This new equipment is needed to facilitate Caribe GE-Arecibo's future compliance with the 1992 PRASA pretreatment standards. To accommodate this new equipment the Wastewater Treatment Building will be expanded by approximately 700 sq. ft. Furthermore, a trench about 60 ft. long will be constructed around the existing clarifier to enhance containment.

3.2.4 Electroplating Process Expansion

3.2.4.1 Process Description

The consolidation of electroplating operations at the Caribe GE-Arecibo facility will require the installation of two new electroplating lines and the transfer of two small electroplating lines from the Caribe GE-Vega Alta facility. The two smaller lines are a zinc plating line and a chromate plating line. These lines will be located in the upgraded area (see Figure 17). The Caribe GE-Arecibo facility currently has zinc and chromate plating lines in operation, therefore, the type of raw materials required and waste streams generated by the transferred lines will be the same. The volume however may change due to the addition of these two lines.

The two major electroplating lines which would be added to the Caribe GE-Arecibo facility include a Rack Plating Line for copper-nickel-chrome plating and a Tin Barrel Line (see Figure 17). No new raw material which are not currently used at the facility will be added to the process. The classification of waste generated at the facility would not change as a result of the upgrade. However the volume of raw material

3.2.4.2 Final Products

3.2.4.2.1 Type and Amounts

The final products that would be produced by the proposed electroplating lines would include a small volume of zinc plated parts and chromate plated parts and a large volume of copper-nickel-chrome plated parts and tin plated parts to be used in the manufacturing of electro-mechanical devices. Table 4 lists the various lines with their current capacity and the proposed lines with their estimated capacity.

3.2.4.2.2 Physical-Chemical Characteristics

The finished product generated by the electroplating process are inert and do not exhibit any hazardous characteristics (ie. ignitability, reactivity, corrosivity, or toxicity).

3.2.4.2.3 Storage and Handling

The finished electroplated parts produced by the four proposed electroplating lines, to be installed at the Caribe GE-Arecibo facility, will go to the subassembly and final assembly lines in the Manufacturing Area. The manufactured products would then be transported offsite or stored in the warehouse until transportation.

3.2.5 Wastewater Treatment Process

The upgrading of the Caribe GE-facility would include a number of waste reducing changes and therefore the volume of wastewaters generated at the site may actually be reduced. The waste reduction measures will include changes in the electroplating process (i.e. closed loop rinsing systems that will result in less wastewater discharge into the wastewater treatment plant), changes in the wastewater treatment process by substituting magnesium hydroxide for caustic soda which will reduce the volume of sludge (F006) generated, and the installation of an ion exchange unit in the wastewater treatment

process. Currently the average daily volume of effluent discharged to the POTW by the wastewater treatment plant is 72,000 gal. After the upgrade of the facility it is estimated that the average daily volume to be discharged would be less than 86,000 gal. Currently approximately 240 tons of F006 waste is generated annually by the wastewater treatment process and it is estimated that less than approximately 300 tons of F006 would be generated annually after the proposed consolidation project.

Post-It™ brand fax transmittal memo 7671 | # of pages ▸ 7
To Nestor Marquez | From Milagros Ruiz
Co. Gary Uhelhoen | Co.
Dept. | Phone #
Fax # | Fax #

3.0 DESCRIPTION OF PROPOSED ACTION

3.1 Description of Existing Processes

3.1.1 Manufacturing Process

One of the principal functions of the Caribe GE-Arecibo facility is the manufacturing of circuit breakers for the industry. Raw materials (usually copper, steel and aluminum) are stamped into various parts at the Metal Fabrication Area located in Building No. 3. The new parts are then sent to the Electroplating Facility (Building No. 2) where they are tumbled and deburred. The parts then go to the Secondary Operations Area of Building No. 1 where they are counter sunk, drilled and tapped as appropriate. Some of the parts, depending on their function, go to the Welding Area and others go directly to the Electroplating Facility to be plated. The welded parts go to the Electroplating Facility to be plated or for acid/alkaline cleaning. After the parts are finished in the Electroplating Facility they go to the sub-assembly and final assembly lines.

Molded parts are fabricated at the Caribe GE-San German and Humacao Plants and transported to Arecibo. In addition to the parts manufactured at the Caribe GE facilities on the island, Caribe GE purchases, as needed, parts from outside vendors. The different areas in the manufacturing process, conducted at the Caribe GE-Arecibo facility are shown in Figure 2. The manufacturing process takes place in three different buildings. Table 1 is a list of raw materials which are used in the manufacturing, electroplating, and wastewater treatment processes at the Caribe GE Arecibo facility.

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
DIV. G.E. PLATING

SCHEDULE "A"

DESCRIPTION OF LANDSITE FOR PROJECT NO. T-0302-0-56
LOCATED AT ARECIBO, PUERTO RICO

LANDSITE:

Parcel of land, lot No. 14, located at Zeno Gandía Industrial Subdivision at Arecibo, Puerto Rico.

It bounds: by the NORTH, with lot No. 13 of the same industrial subdivision; by the SOUTH, with State Road No. 129; by the EAST, with lot No. 9 of the same industrial subdivision; and by the WEST, with lot No. 15 of the same industrial subdivision.

It has a surface area of 6070.1862 square meters, equivalent to 1.5444 cuerdas.

ENCUMBRANCES:

The lot is subject to a 5 ft. wide electric right of way along its Northern boundary in favor of the Puerto Rico Water Resources Authority.

PROJECT NO. T-0302-0-56:

The building is a pitched roof type consisting of reinforced concrete foundations, columns and girders supporting 30 feet long steel joists which in turn support pre-cast (Porete) slabs, covered by 1/2" cellotex insulation and a 3-ply built-up roofing. This building has no monitor but roof ventilators are provided.

The structure consists fo a main floor 121'-0" x 90'-10" out to out dimensions for an area of 10,990.43 sq. ft. of manufacturing area, an entrance porch 18'-0" x 8'-6" for an area of 153.00 sq. ft. and a lean-to 31'-2" x 10'-6" for an area of 327.28 sq. ft. to be used for sanitary facilities. This give a total area of 11,470.71 sq. ft. of covered floor space.

The floor consists of a 4" thick reinforced concrete floor slab with a monolithic cement finish on the manufacturing area, stairs, janitor's room and storage room; quarry tiles on the entrance porch and ceramic tile on the men's and ladies' toilet rooms.

Exterior walls are of concrete block walls plastered and painted on both sides expect on the front wall which is of reinforced concrete on the entrance porch with concrete blocks on the rest of front wall with a V-shaped and interior walls at the lean-to which area plastered and painted together with a 5'-11" high sprayed-on glazed finish wainscoat at the men's and ladies' toilet rooms.

Windows area Miami Aluminum louvers throughout the building except for pivoted metal sash at the front wall.

Doors are plywood panel, except for one flush steel over at the main entrance, a flush steel at the rear entrance, and one metal and glass double sliding one at the loading platform.

Clearance in the manufacturing area from finished floor to lowest part of beams at the side eaves is 12'-0" and 14'-9 3/8" at the center of the building.

INITIAL HERE

YEM1-nv "C"

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY
SAN JUAN, PUERTO RICO 00936-2350

LEASE CONTRACT

PROJECT NO.: T-0302-0-56
LOCATION: ARECIBO, PUERTO RICO

THIS AGREEMENT ENTERED into on September 16, 1994 by: AS "LANDLORD", THE PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY, AND AS "TENANT", CARIBE GENERAL ELECTRIC PRODUCTS, INC., DIV. G.E. PLATING.

WITNESSETH

WHEREAS, LANDLORD is the owner of certain landsite and building, identified in the Epigraph, hereinafter referred to as the Premises.

WHEREAS, LANDLORD has agreed to lease to TENANT, and TENANT has agreed to hire from LANDLORD the Premises. NOW THEREFORE, in consideration of the foregoing premises, the parties herein agree on this Lease subject to the following:

TERMS AND CONDITIONS

ONE: LANDLORD hereby demises and lets unto TENANT, and TENANT hereby leases from LANDLORD the Premises which are fully described in Schedule "A" hereto annexed and made a part hereof. The Premises are subject to the encumbrances, liens and/or restrictions, if any, that may appear from said Schedule "A". Furthermore, the air rights of the Premises, are excepted and reserved to LANDLORD.

TWO: Premises shall be used and occupied exclusively in the manufacture of circuits breakers & trips (Sic.03677) and related uses.

THREE: TENANT shall hold the Premises for a period of five (5) years to commence on July 1st. 1993.

FOUR: Commencing on July 1st. 1993, TENANT shall pay to LANDLORD an annual rental as follows:

PERIOD	RENT PER SQUARE FOOT	MONTHLY INSTALLMENTS
7/1/93 - 4/30/98	$ 3.00	$ 2,867.68

The monthly installments for rent specified herein, shall be paid in advance on the first day of each month at LANDLORD'S office, or at any other place that LANDLORD may notify. In the event that the date of commencement does not fall on the first of the month, TENANT further agrees to pay the first partial monthly installments, prior to, or on the date of commencement.

FIVE: The amount of $1,250.00 deposited by TENANT under the provisions of a previous Lease Contract shall be credited to the $2,867.68 deposit required herein; therefore, simultaneously herewith TENANT shall pay $1,617.68 in a Certified Check to complete said amount. This deposit shall guarantee the compliance by TENANT of its obligations, under this Contract, particularly, but not limited to, the

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payments of rent, the compliance of the environmental clauses herein included and the return of the Premises in proper condition at the termination of this Lease. On said termination, if TENANT is not in default of any of the terms and conditions of this Contract, LANDLORD will return to TENANT the sum of money, if any, held pursuant to this provision, after LANDLORD's Environmental Office certifies that there are no environmental deficiencies as a result of TENANT's manufacturing operation on the demised Premises.

SIX: TENANT agrees to have on the date of commencement of the term of this Lease a capitalization of $200.000.00.

Likewise TENANT agrees to install within six (6) months from the same date manufacturing machinery and equipment with a value of at least $200,000.00.

This shall not include the cost of transportation and installation thereof, nor its ordinary depreciation after installation; and within eighteen (18) months from the date of commencement of the term, to employ a minimum of twenty five (25) production workers.

The employment, machinery and equipment committed under this Contract shall be physically distributed among the current buildings leased by TENANT and the buildings leased under this Contract, and shall be maintained througout the term of this lease and any extension thereof.

SEVEN: All notices, demands, approvals, consents and/or communications herein required or permitted shall be in writing. If by mail should be certified and to the following addresses, to LANDLORD: PO BOX 362350, SAN JUAN, PUERTO RICO 00936-2350. To TENANT:

LCDA. AMIR LASTRA DE LEON- GENERAL COUNSEL

CARIBE GENERAL ELECTRIC PRODUCTS, INC.

OFFICE 104 - @1590 PONCE DE LEON AVE.

RIO PIEDRAS, PUERTO RICO 00926

EIGHT: Net Lease - This Lease shall be interpreted as a net lease; it being the exclusive responsibility of TENANT to pay for all operating expenses, utilities, maintenance, expenses, insurance, taxes or any other costs, expenses or charges of any nature not specifically assumed by LANDLORD hereunder.

NINE: Warranty as to use - LANDLORD does hereby warrant that at the time of the commencement of the term of this Lease, the Premises may be used by TENANT for the manufacturing purposes herein intended which are deemed consistent with the design and construction in accordance with the corresponding plans and specifications.

TEN: Alterations - TENANT shall make no alterations, additions or improvements to the Premises without the prior consent of LANDLORD and all such alterations, additions or improvements made by or for

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undertaken by TENANT until after LANDLORD has approved the location thereof, as well as the routing of the power line extension.

TWELVE: Repairs and Maintenance - TENANT shall, at its own cost and expense, put, keep and maintain in thorough repair and good order and safe condition the building and improvements standing upon the Premises at the commencement of the term hereon or thereafter erected upon the premises, or forming part of the Premises, and their full equipment and appurtenances, the side walks areas, sidewalk hoists, railings, gutters, curbs and the like in from of the adjacent to the Premises, and each and every part thereof, both inside and outside, extraordinary and ordinary, and shall repair the whole and each and every part thereof in order to keep the same at all times during the term hereof in through repair and good order and safe conditions, whenever the necessity or desirability therefor may occur, and whether or not the same shall occur, in whole or in part, by wear, tear, obsolescence or defects, and shall use all reasonable precautions to prevent waste, damage or injury, except as provided hereinafter.

LANDLORD and not TENANT, shall be responsible for and shall promptly correct any defects in the building on the Premises which are due to faulty design, or to errors of construction not apparent at the time the Premises were inspected by TENANT for purposes of occupancy by TENANT; this shall not be interpreted to relieve TENANT of any responsibility or liability herein otherwise provided, including among others, for structural failure due to the fault or negligence of TENANT.

TENANT shall also, at TENANT'S own cost and expense, maintain the landsite in thoroughly clean condition; free from solid waste (which includes liquid and gaseous as defined by the Resource Conservation and Recovery Act), and the Regulation on Hazardous and Non-Hazardous Waste of the Environmental Quality Board, as amended, rubbish, garbage and other obstructions. Specifically, TENANT shall not use said landsite, nor permit it to be used, as a deposit or as dump for raw materials, waste materials, hazardous, toxic or non-toxic substances, or substances of whichever nature. TENANT shall neither make any excavation for the purpose of storing, putting away and/or concealing raw materials or waste materials of any kind. Underground storage of hazardous and/or toxic substances is specifically prohibited.

TENANT shall not do or cause to be done, nor permit on the Premises anything deemed extra hazardous, nor shall it store in the Premises flamable or toxic products of any class or kind without taking the proper precautions and complying with applicable federal and Commonwealth laws and regulations.

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In case TENANT needs to store in the landsite raw materials of a hazardous and/or toxic nature or hazardous and/or toxic wastes, TENANT shall notify LANDLORD and secure its prior authorization. LANDLORD shall be furnished with a copy of any permit issued for such storage.

Although it is not intended that TENANT shall be responsible for any decrease in value of the Premises due to the mere passing of time, or for ordinary wear and tear of surfaces and other structural members of the building, nevertheless TENANT shall: (i) replace, with like kind and quality, doors, windows; electrical, sanitary and plumbing, fixtures; building equipment and/or other facilities or fixtures in the Premises which through TENANT's use, fault or negligence, become too worn out to repair during the life of this Lease, (ii) paint the property inside and outside as required.

In addition to the foregoing, TENANT shall indemnify and safe harmless LANDLORD from and against any and all cost, expenses, claims, losses, damages, or penalties, including counsel fees, because of or due to TENANT'S failure to comply with the foregoing, and TENANT shall not call upon LANDLORD for any disbursement or outlay of money whatsoever, and hereby expressly releases and discharges LANDLORD of and from any liability or responsibility whatsoever in connection therewith.

THIRTEEN: Roof Care - TENANT, without the prior consent of LANDLORD, shall not: (i) erect or cause to be erected on the roof any bill board, aerial sign, or structure of any kind, (ii) place any fixture, equipment or any other load over the roof, (iii) drill any hole on the roof for whichever purpose, (iv) use the roof for storage, nor (v) correct any leaks whatsoever, this being LANDLORD'S sole responsibility. Furthermore, TENANT shall take all reasonable precautions to insure that the drainage facilities of the roof are not clogged and are in good and operable conditions at all times.

FOURTEEN: Floor Loads - TENANT hereby acknowledges that it has been informed by LANDLORD that the maximum floor load of the Premises herein demised is 150 pounds per sq. ft. Therefore, TENANT hereby agrees that in the event the load of the machinery and equipment to be installed thereat exceeds such maximum load, it shall, at its own cost and expense, carry out any improvements to the floor of the Premises which may be necessary to support such additional load; it being further agreed and understood that construction and/or installation of such improvements shall not be commenced until after LANDLORD'S approval of the plans to be prepared therefor by TENANT and thereafter,

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after completion of construction and/or installation of said facilities, they shall be deemed covered by and subject to the applicable provisions of this Contract; it being further specifically agreed and understood that upon termination of this Lease, such facilities shall be removed by TENANT, at its own cost and expense, or in the alternative, and upon request by LANDLORD, they shall remain as part of the Premises with no right whatsoever on the part of TENANT to be reimbursed and/or compensated therefor.

FIFTEEN: Fixtures - TENANT shall not affix to the ceiling, nor to its supporting joists or columns, nor to any of its walls, any air conditioning unit, nor any other fixture, without the prior consent of LANDLORD.

SIXTEEN: Environmental Protection and Compliance - TENANT agrees, as a condition hereof, that it will not discharge its solid, liquid or gaseous industrial and/or sanitary effluent or discharges, either into the sewer system and/or into any other place until after required authorizations therefor has been obtained from the Puerto Rico Aqueduct and Sewer Authority, and/or the Department of Health of Puerto Rico and/or Environmental Quality Board, and/or any other governmental agency having jurisdiction thereof and TENANT further agrees and undertakes to pre-treat any such effluent, prior to discharge thereof as required by the said Authority, Department and/or governmental agency with jurisdiction, and/or to install any equipment or system required, and to fully abide by and comply with any and all requisites imposed thereby, and upon request by LANDLORD to submit evidence of such compliance; it being agreed that non-compliance thereof by TENANT for a period of ninety (90) days after notice, shall be deemed an additional event of default under the provisions hereof. Provided, that no construction and/or installation shall be made until LANDLORD has approved of it.

TENANT shall also, at TENANT'S own cost and expense, construct and maintain Premises, processes and/or operating procedures in compliance with the terms, conditions and commitments specified in any Environmental Impact Statement, Environmental Assessment or any other analogous document produced by the Commonwealth of Puerto Rico, Economic Development Administration /LANDLORD as lead agency/ or by any other governmental agency in connection with the approval or operation of the project.

TENANT shall also serve LANDLORD with a copy of any lawsuit, notice of violation, order to show cause or any other regulatory or legal action against TENANT in any environmental-related case or issue.

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TENANT shall also serve LANDLORD with a copy of any permit granted to TENANT for air emissions, water discharge, solid waste generation, storage, treatment and/or disposal, and for any hazardous and/or toxic waste raw materials or by-products used or generated, stored, treated and/or disposed or any other endorsement, authorization or permit required to be obtained by TENANT.

TENANT shall also serve LANDLORD with a copy of any filing or notification to be filed by TENANT with any regulatory agency or any environmentally related case or issue, especially in any situation involving underground or surface water pollution, hazardous and/or toxic waste spillage and ground contamination. The notification to LANDLORD shall take place not later than the actual filing of the pertinent documents with the regulatory agency.

SEVENTEEN: Improper Use - TENANT, during the term of this Lease and of any renewal or extension thereof, agrees not to use or keep or allow the leased Premises or any portion thereof to be used or occupied for any unlawful purpose or in violation of this Lease or of any certificate of occupancy or certificate of compliance covering or affecting the use of the Premises or any portion thereof, and will not suffer any act to be done or any condition to exist on the Premises or any portion thereof, or any article to be brought thereon, which may be dangerous, unless safeguarded as required by law, or which may in law, constitute a nuisance, public or private, or which may made void or voidable any insurance then in force on the leased Premises.

EIGHTEEN: Government Regulations - TENANT agrees and undertakes to abide by and comply with any and all rules, regulations and requirements of the Planning Board of Puerto Rico, the Department of Health, the Environmental Quality Board, the Environmental Protection Agency (EPA), where applicable and/or of any other governmental agency, having jurisdiction thereon applicable to TENANT'S operations at the Premises and/or products to be manufactured thereat, and if requested by LANDLORD, TENANT shall submit evidence of such compliance; it being agreed and understood that noncompliance with any and all such rules, regulations and requisites shall be deemed an additional event of default under the provisions of this Contract, unless remedied within thirty (30) days after receipt of notice thereof.

Any and all improvements to the Premises required by any governmental agency, having jurisdiction thereon so as to carry TENANT'S operations in accordance with the regulations and requisites thereof, shall be at TENANT'S own cost and expense, except for any

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improvements that may be required as a result of any violation by LANDLORD that may exist at the effective date hereof other than violations caused by TENANT or TENANT'S agents.

TENANT further agrees and undertakes to install in the Premises, at its own costs and expense, such devices as may be necessary to prevent any hazard, which may be caused or created by its operations from affecting the environmental integrity of the landsite or causing any nuisance to adjacent TENANTS and/or the community in general; it being agreed and understood that creating or causing any such nuisance, shall be deemed an additional event of default under the provisions of this Contract.

TENANT further agrees and undertakes to abide by and comply with any and all rules, regulations and requisites of the Fire Department relative to the use and storage of raw materials, finished products and/or inflammable materials, and/or of any other governmental agency, having jurisdiction thereon applicable to TENANT'S operations at the Premises, and if requested by LANDLORD, TENANT shall submit evidence of such compliance; it being agreed and understood that noncompliance by TENANT with any of the aforementioned rules, regulations and requisites shall be deemed, in each of such cases, an additional event of default under the provisions of this Contract, unless remedied within thirty (30) days after receipt of notice thereof.

If as a consequence of the foregoing dispositions, TENANT need to make alterations to the Premises, the same shall be done subject to the dispositions of Article TEN hereof.

NINETEEN: Use Permit - TENANT agrees to abide by and comply with any and all conditions and requisites included in the Use Permit which may be issued by the Puerto Rico Permits and Regulations Administration (ARPE), and if requested by LANDLORD, shall submit evidence of such compliance; it being agreed and understood that noncompliance by TENANT with any and all such conditions and requisites and/or the cancellation of the said Use Permit shall, in each of such cases, be deemed an additional event of default under the provisions of this Contract.

TWENTY: Inspection - TENANT shall permit LANDLORD or LANDLORD'S agents to enter the Premises at all reasonable time for the purpose of inspecting the same, or of making repairs that TENANT has neglected or refused to make as required by the terms, covenants and conditions of this Lease, and also for the purpose of showing the Premises to persons wishing to purchase the same, and during the year next preceding the expiration of this Lease, shall permit inspection thereof by or on

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behalf of prospective TENANTS. If, at a reasonable time, admission to the Premises for the purposes aforesaid cannot be obtained, or if at any time an entry shall be deemed necessary for the inspection or protection of the property, or for making any repairs, whether for the benefit of TENANT or LANDLORD, LANDLORD'S agents or representatives may enter the Premises by force, or otherwise, without rendering LANDLORD, or LANDLORD'S agents or representative liable to any claim or cause of action or damage by reason thereof, and accomplish such purpose.

The provisions contained in this Article are not to be construed as an increase of LANDLORD'S obligations under this Lease; it being expressly agreed that the right and authority hereby reserved does not impose, nor does LANDLORD assume, by reason thereof, any responsibility or liability whatsoever for the repair, care of supervision of the Premises, or any building, equipment or appurtenance on the Premises.

TWENTY ONE: LANDLORD'S entry for repairs and alterations - LANDLORD reserves the right to make such repairs, changes alterations, additions or improvements in or to any portion of the building and the fixtures and equipment which are reputed part thereof as it may deem necessary or desirable and for the purpose of making the same, to use the street entrances, halls, stairs and elevators of the building provided that there be no unnecessary obstruction of TENANT'S right of entry to and peaceful enjoyment of the Premises, and TENANT shall make no claim for rent abatement compensation or damages against LANDLORD by reason of any inconvenience or annoyance arising therefrom.

TWENTY TWO: LANDLORD excused in certain instances - If, by reason of inability to obtain and utilized labor, materials or supplies, or by reason of circumstances directly or indirectly the result of any state of war, or of emergency duly proclaimed by the corresponding governmental authority, or by reason of any laws, rules orders, regulations or requirements of any governmental now or hereafter in force or by reason of strikes or riots, or by reason of accidents, in damage to or the making of repairs, replacements or improvements to the building or any of the equipment thereof, or by reason of any other cause reasonable beyond the control of LANDLORD, LANDLORD shall be unable to perform or shall be delayed in the performance of any covenant to supply any service, such non-performance or delay in performance shall not be ground to any claim against LANDLORD for damages or constitute a total or partial eviction, constructive or otherwise. It being agreed and understood that the time for completion of any such construction, shall be extended for a period of time equal to the number of days of any such delay.

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TWENTY THREE: Quiet Enjoyment - TENANT on paying the full rent and keeping and performing the conditions and covenants herein contained, shall and may peaceably and quietly enjoy the Premises for the term aforesaid, subject, however, to the terms of this Lease and to the mortgages hereinafter mentioned.

TWENTY FOUR: Leasehold Improvements - If leasehold improvements made by or for the benefit of TENANT in the Premises at his request or other personal property to TENANT are assessable or taxable and a tax liability is imposed to TENANT or LANDLORD, it is understood that it shall be the sole responsibility of TENANT to pay such taxes and in no event shall such taxes be the liability of or be transferable to LANDLORD. In the event that by operation of law, such taxes became a liability of LANDLORD, TENANT shall pay such taxes as they become due and payable and shall promptly reimburse LANDLORD for any payments or expenses incurred or disbursed by LANDLORD by reasons of any such assessment. Said amount shall be due and payable, as additional rent, with the next installment of rent. In the event that TENANT fails to make this payment when due, it shall be subject to the dispositions of Article THIRTY SEVEN hereof.

TWENTY FIVE: Stoppage of Operations - It is understood by the parties hereto that this Lease is made by LANDLORD in furtherance of the industrialization plans of the Commonwealth of Puerto Rico, and it is accordingly understood that TENANT will use all reasonable efforts while this Lease is in effect to maintain a manufacturing operation upon the Premises, but nothing contained in this paragraph shall be deemed to require TENANT to maintain such an operation otherwise than in accordance with sound principles of business management, or (without limiting the generality of the foregoing) to prevent TENANT from curtailing such operation or from shutting it down, whenever and as often as TENANT may, in the exercise of sound business judgment, deem such action advisable. However, TENANT shall give to LANDLORD notice of any necessary or convenient curtailment and/or shut-down, at least seven (7) days prior to the date fixed therefor except in cases of an emergency shut-down, in which case such notice shall be given at the earliest possible time. No curtailment of operations or shut-down in accordance with the provisions of this paragraph shall constitute a default under the provisions of this Contract which will enable LANDLORD to terminate it, unless such plants shall have been shut-down for a period of six (6) consecutive months. A shut-down on account of unforeseeable event or events which although foreseeable could not be

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prevented, shall not constitute a breach of this agreement. Nothing in this paragraph contained shall relieve TENANT from the payment of rent during the period of any shut-down or curtailments of operations.

TWENTY SIX: Assignment and Subletting - TENANT shall not assign, this Lease nor let or sublet the Premised or any part thereof except to its parent company, to a wholly owned subsidiary, to an affiliate of TENANT, wholly owned by TENANT'S parent company or to a corporation to be organized by TENANT. In any of these cases, TENANT shall promptly notify LANDLORD of said assignment or subletting, it being agreed and understood that no such assignment or subletting shall: (i) reduce or, in any way, affect the obligations of TENANT under this Lease, nor (ii) release TENANT from liability under this Lease.

TWENTY SEVEN: Successors in Interest - This Lease Contract and every provision thereof, shall bind and inure to the benefit of the legal representatives, successors and assigns on the parties. However, the term "LANDLORD", as used in this Contract, so far as any covenants or obligations on the part of LANDLORD under this Lease are concerned, shall be limited to mean and include only the owner or lessor, at the time in question, of the Premises, so that in the event hereafter of a transfer of the title to the Premises, whether any such transfer be voluntary or by operation of law or otherwise, the person, natural or juridical, by whom any such transfer is made, shall be and hereby is entirely freed and relieved of all personal liability as respects the performance of the covenants and obligations of LANDLORD under this Lease from and after the date of such transfer.

TWENTY EIGHT: No Representation by LANDLORD - LANDLORD, LANDLORD'S agents or employees, or the agents, executives or employees of the Economic Development Administration, have made no representations or promises with respect to the Premises except as herein expressly set forth and no rights, easements or licenses are acquired by TENANT by implication or otherwise except as expressly set forth in the provisions of this Contract. The taking possession of the Premises by TENANT, shall be conclusive evidence, as against TENANT, that TENANT accepts same "AS IS" and that said Premises, particularly the building which forms a part of the same, were in good and satisfactory conditions at the time such possession was so taken.

TWENTY NINE: Damages - LANDLORD shall not be responsible for any latent defect or change of conditions in the Premises resulting in damage to the same, or the property or person therein, except to the

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extent of LANDLORD'S gross negligence, and provided such claims or loss is not covered by insurances herein required from TENANT. TENANT shall promptly notify LANDLORD of any damage to or defects in the Premises, particularly in any part of the building's sanitary, electrical, air conditioning or other systems located in our passing through the Premises, and the damage or defective conditions, subject to the provisions of Article TWENTY ONE (21) hereof, shall be remedied by LANDLORD with reasonable diligence.

THIRTY: General Liability Insurance - TENANT shall indemnify, have harmless and defend LANDLORD and agents, servants and employees of LANDLORD against and from any and all liability, fines, suits, claims, demands, expenses, including attorneys' fees, and actions of any kind or nature arising by reason of injury to person or property including the loss of use resulting thereof or, violation of law occurring in the Premises occasioned in whole or in part by any negligent act or omission on the part of TENANT or an employee (whether or not acting within the scope of his employment), servant, agent, licensee, visitor, assignor or undertenant of TENANT, or by any neglectful use or occupancy of the Premises or any breach, violation or non-performance of any covenant in this Lease on the part of TENANT to be observed or performed.

Pursuant to the foregoing, TENANT shall, maintain during the term of this lease, at its own cost and expense, a Comprehensive General Liability Policy. Said policy shall: (i) be for a combined single limit of no less than $500,000.00 per accident, (ii) hold LANDLORD harmless against any and all liability as hereinbefore stated, and (iii) the care, custody & control exclusion shall be deleted from this coverage. LANDLORD may require additional reasonable limits of public liability insurance and coverages, when changing circumstances so require.

THIRTY ONE: Property Insurance - TENANT recognizes that the rent provided for herein does not include any element to indemnify, repair, replace or make whole TENANT, his employees, servants, agents, licensees, visitors, assignees, or undertenant for any loss or damage to any property or injury to any person in the Premises.

Accordingly, during the term of this Lease, TENANT shall keep the building standing upon the Premises at the commencement of the term hereof or thereafter erected upon the Premises, including all equipment appurtenant to the Premises and all alterations, changes, additions and improvements, insured for the benefit of LANDLORD and TENANT, as their

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respective interest may appear, in an amount at least equal to the percentages stated below (as LANDLORD may from time to time determine). The basis of the Property Insurance shall be Replacement Cost and the coverage an "All Risks" Property Insurance Policy. Coverages included in the All Risks Form:

1. Fire - "Building & Contents Form"

   (a) Building - 100% of insurable value exclusive of foundations

   (b) Contents - All equipment appurtenant to the Premises (State value of Policy)

2. Additional Coverages under the Fire Policy

   (a) Extended Coverage Endorsement - 100% of insurable value exclusive of foundations

   (b) Earthquake - 100% of insurable value including foundations

   (c) Vandalism and Malicious Mischief Endorsement

   (d) Improvements and Betterments - For all alterations, changes, additions and improvements

3. Landsite and Flood whenever applicable and/or necessary

4. Boiler and Machinery (if any) - 100% of insurable value

5. Pollution Liability Policy - if necessary.

THIRTY TWO: Multifactory Building Specific Dispositions - In the event that the Premises constitute a section or sections of an industrial building and landsite in which other operations are conducted by other TENANTS: (i) the insurance coverage herein required, shall be acquired by LANDLORD for the whole of the industrial building and TENANT shall reimburse LANDLORD, for its proportionate share in the total cost of said policies, (ii) if, because of anything done, caused or permitted to be done, permitted or omitted by TENANT, the premium rate for any kind of insurance affecting the Premises shall be increased, TENANT shall pay to LANDLORD the additional amount which LANDLORD may be thereby obligated to pay for such insurance, and if LANDLORD shall demand that TENANT remedy the condition which cause the increase in the insurance premiums rate, TENANT will remedy such conditions within five (5) days after such demand, and (iii) the insurance policies required in the preceding Articles THIRTY (30) & THIRTY ONE (31) shall be endorsed to include a waiver of subrogation against TENANT. All amounts to be reimbursed by TENANT under this ARticle, shall be due and payable, as additional rent, with the next

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installment of rent. In the event that TENANT fails to make this payment, when due, it shall be subject to the dispositions of Article THIRTY SEVEN (37) hereof.

THIRTY THREE: Additional Dispositions about Insurance - All the Insurance policies herein required from TENANT, shall be taken in form and substance acceptable to LANDLORD with insurance companies duly authorized to do business in Puerto Rico, having a "A" and a higher financial fatting according to Best's Insurance Report; and shall include LANDLORD as additional insured. TENANT shall instruct the corresponding insurer to deliver such policies or certified copies of Certificates of Insurance, in lieu of, directly to LANDLORD. LANDLORD reserves the right not to deliver possession of the Premises to TENANT, unless, and until two (2) days after such original policies, or certified copies or certificates have been deposited with LANDLORD.

Furthermore, said policies, shall: (i) provide that they may not be cancelled by the insurer for nonpayment of premium or otherwise, until at least thirty (30) days after services of notice by registered or certified mail of the proposed cancellation upon LANDLORD, and (ii) be promptly renewed by TENANT upon expiration and TENANT shall, within thirty (30) days after such renewal, deliver to LANDLORD adequate evidence of the payment of premiums thereon. If such premiums or any of them shall not be so paid, LANDLORD may procure the same in the manner set forth for governmental agencies, and TENANT shall reimburse LANDLORD any amount so paid. This reimbursement being due and payable with the next installment of rent. In the event that TENANT fails to make this payment when due, it shall be subject to the dispositions of Article THIRTY SEVEN (37) hereof. It is expressly agreed and understood, that payment by LANDLORD of any such premiums shall not be deemed to waive or release the default in the payment thereof by TENANT nor the right of LANDLORD to take such action as may be available hereunder as in the case of default in the payment of rent.

Upon the commencement of the term hereof, TENANT shall pay to LANDLORD the apportioned unearned premiums on all such policies of insurance then carried by LANDLORD in respect of the Premises in the event TENANT continues with the insurance policies placed in LANDLORD.

TENANT shall not violate nor permit to be violated any of the conditions or provisions of any of said policies, and TENANT shall so perform and satisfy the requirements of the companies writing such policies that at all times companies of good standing and acceptable to LANDLORD shall be willing to write and continue such insurance.

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TENANT shall cooperate with LANDLORD in connection with the collection of any insurance monies that may be due in the event of loss and shall execute and deliver to LANDLORD such proofs of loss and other instruments that may be required for the purpose of facilitating the recovery of any such insurance monies, and in the event that TENANT shall fail or neglect so to cooperate or to execute, acknowledge and deliver any such instrument, LANDLORD, in addition to any other remedies, may as the agent or attorney-in fact of TENANT, execute and deliver any proof of loss or any other instruments as may seem desirable to LANDLORD and any mortgagee for the collection of such insurance monies. This shall not be interpreted as any waiver of the obligations of TENANT under Articles THIRTY, THIRTY ONE, THIRTY TWO and THIRTY THREE hereof or exclusively in favor of LANDLORD under Article THIRTY NINE hereof.

THIRTY FOUR: Waivers - The receipt by LANDLORD of the rent, additional rent, or any other sum or charges payable by TENANT with or without knowledge of the breach of any covenant of this Contract, shall not be deemed a waiver of such breach. No act or omission of LANDLORD or its agent during the term of this Lease shall be deemed an acceptance of a surrender of the Premises and no agreement to accept a surrender of the Premises shall be valid unless it be made in writing and subscribed by LANDLORD. This Contract contains all the agreements and conditions made between the parties hereto with respect to the Premises and it cannot be changed orally. Any additions to, or charges in this Lease must be in writing, signed by the party to be charged.

Failure on the part of LANDLORD to act or complain of any action or nonaction on the part of TENANT shall not be deemed to be a waiver of any of its respective rights hereunder nor constitute a waiver at any subsequent time of the same provision. The consent or approval by LANDLORD to, or of any action by the other requiring consent or approval, shall not be deemed to waive or render unnecessary the consent or approval by LANDLORD of any subsequent similar act.

THIRTY FIVE: Reinstatement - No receipt of monies by LANDLORD for TENANT after the termination or cancellation hereof in any lawful manner shall reinstate, continue or extend the term hereof, or affect any notice theretofore given to TENANT, or operate as a waiver of the right of LANDLORD to enforce the payment of rent, additional rent, or other charges then due or thereafter falling due, or operate as a waiver of the right of LANDLORD to recover possession of the Premises by proper suit, action, proceeding or remedy; it being agreed that,

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after the service of notice to terminate or cancel this Lease, and the expiration of the time therein specified, if the default has not been cured in the meantime, or after the commencement of suit, action or summary proceedings or of any other remedy, or after a final order, warrant of judgment of the possession of the Premises, LANDLORD may demand, receive and collect any monies then due, or thereafter becoming due, without in any manner affecting such notice, proceeding, suit, action, order, warrant or judgment; and any and all such monies so collected shall be deemed to be payments for the use and occupation of the Premises, or at the election of LANDLORD, on account of TENANT'S liability hereunder. Delivery or acceptance of the keys to the Premises, or any similar act, by the LANDLORD, or its agents or employees, during the term hereof, shall not be deemed to be a delivery or an acceptance of a surrender of the Premises unless LANDLORD shall explicity consent to it, in the manner set forth hereinbefore.

THIRTY SIX: Subordination and Attornment - This Lease is and shall be subject and subordinate to all liens, or mortgages which may now or hereafter affect the Premises and to all renewals, modifications, consolidations, replacements and extensions thereof and, although this subordination provision shall be deemed for all purposes to be automatic and effective without any further instrument on the part of TENANT, TENANT shall execute any further instrument requested by LANDLORD to confirm such subordination.

TENANT further covenants and agrees that if by reason of a default upon the part of LANDLORD of any mortgage affecting the Premises, the mortgage is terminated or foreclosed by summary proceedings or otherwise, TENANT will attorn to the mortgagee or the purchaser in foreclosure proceedings, as the case may be, and will recognize such mortgage or purchaser, as the TENANT'S landlord under this Lease. TENANT agrees to execute and deliver, at any time and from time to time, upon the request of LANDLORD or of the mortgagee or the purchaser in foreclosure proceedings, as the case may be, any reasonable instrument which may be necessary or appropriate to evidence such attornment. TENANT further waives the provision of any statute or rule of law now or hereafter in effect which may give or purport to give TENANT any right of election to terminate this lease or to surrender possession of the Premises demised hereby in the event any such proceeding is brought by the holder of any such mortgage, and TENANT'S obligations hereunder shall not be affected in any way whatsoever by any such proceeding.

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TENANT, covenants and agrees, upon demand of the holder of any mortgage duly recorded or recordable in the corresponding Registry of the Property or of any receiver duly appointed by the foreclose any such mortgage, to pay to the holder of any such mortgage or to such receiver, as the case may be, all rent becoming due under this Lease after such demand, provided such holder of any such mortgage or any such receiver complies with the obligations of LANDLORD under this Lease.

TENANT, upon request of LANDLORD or any holder of any mortgage or lien affecting the Premises, shall from time to time, deliver or cause to be delivered to LANDLORD or such lien holder or mortgagee, within ten (10) working days from date of demand a certificate duly executed and acknowledged in form for recording, without charges, certifying, if true, or to extent true, that this Lease is valid and subsisting and in full force and effect and LANDLORD is not in default under any of the terms of this Lease.

THIRTY SEVEN: Late Payments and Payment by LANDLORD - In the event that (i) TENANT makes late payment, or fails to make payments to LANDLORD, in whole or in part, of the rent, or of the additional rent, or of any of the other payments of money required to be paid by TENANT to LANDLORD, as stipulated in this Lease, when and as due and payable; or if (ii) LANDLORD, without assuming any obligation to do so, after any notice or grace period provided hereunder, performs or causes to be performed, at the cost and expense of TENANT, any of the acts or obligations agreed to be performed by TENANT, as stipulated in this Lease, and TENANT fails to refund LANDLORD any amounts of money paid or incurred by LANDLORD in performing of causing the performance of such acts or obligations, when and as due and payable, TENANT undertakes and agrees to pay LANDLORD as additional rent, interest on such lately paid or unpaid rents, additional rent, and/or on such other payments of money required to be paid, and/or on any such amounts of money required to be refunded, from and after the date when payment thereof matured or became due and payable, until full payment, at the rate of twelve (12%) per cent per annum, or if such 12% interest, is unlawful, then and in such event, at the highest maximum prevailing rate of interest on commercial unsecured loans as fixed by the Board of Regulatory Rates of Interest and Financial Charges, created under Law #1, approved October 15, 1973 (10 LPRA 998), as amended, or by any successor statute or regulation thereof.

INITIAL HERE

THIRTY EIGHT: Abatement - If any substantial service or facility to be provided by LANDLORD is unavailable for a period exceeding thirty (30) days and LANDLORD has been notified of the same, should time unavailability of such service render all or any portion of the Premises untenable, TENANT after the aforesaid thirty (30) days, shall be entitled to an abatement of a portion of the rent that shall reflect that portion of the Premises which is untenable, provided the damage to the service or facility is not attributable to the act or neglect of TENANT or the employees, servants, licensees, visitors, assigns or undertenants of TENANT.

THIRTY NINE: Fire or other Casualty - If before or during the term of this Lease, the Premises shall be damaged by fire or other casualty, LANDLORD after written notice thereof is given by TENANT, shall repair the same with reasonable dispatch after notice to it of the damage, due allowances being made for any delay due to causes beyond the LANDLORD'S reasonable control, provided, however, that LANDLORD shall not be required to repair or replace any furniture, furnishings or other personal property which TENANT may have placed or installed or which it may be entitled or required to remove from the Premises. LANDLORD shall proceed with due diligence to obtain the corresponding insurance adjustment of the loss and TENANT shall fully cooperate with LANDLORD and assist in the adjustment of the loss. Until such repairs are completed, and provided such damage or other casualty is not attributable to the act or neglect of TENANT or the employees, servants, licensees, visitors, assigns or undertenants of TENANT, the rent required to be paid pursuant to Article FOUR hereof, shall be abated in proportion to the part of the Premises which are untenable. If the building, be so damaged that LANDLORD shall decide to demolish and/or to reconstruct the building, in whole or in part, LANDLORD may terminate this Lease by notifying TENANT within a reasonable time after such damage of LANDLORD'S election to terminate this Lease, such termination to be effective immediately if the term shall not have commenced or on a date to be specified in such notice if given during the term. In the event of the giving of such notice during the term of this Lease, the rent shall be apportioned and paid up to the time of such fire or other casualty if the Premises are damaged, or up to the specified date of termination if the Premises are not damaged and LANDLORD shall not be otherwise liable to TENANT for the value of the unexpired term of this Lease.

INITIAL HERE

FORTY: Default Provisions - If, during the term of this Lease, TENANT shall: (i) apply for or consent in writing to, the appointment of a receiver, trustee or liquidator of TENANT or of all or substantially all of its assets or (ii) seek relief under the Bankruptcy Act, or admit in writing its inability to pay its debts as they become due, or (iii) make a general assignment for the benefit of this creditors, or (iv) file a petition case or an answer seeking relief (other than a reorganization not involving the liabilities of TENANT) or arrangement with creditors, or take advantage of any insolvency law, or (v) file an answer admitting the material allegations of a case filed against it in any bankruptcy, reorganization or insolvency proceeding or, if an order, judgment or decree shall be entered by any court of competent jurisdiction on the application of TENANT or creditor adjudicating TENANT a bankrupt or insolvent, or approving a petition seeking reorganization of TENANT (other than a reorganization not involving the liabilities of TENANT) or appointment of a receiver, trustee or liquidator of TENANT, or of all or substantially all its assets, and such order, judgment or decree, shall continue stayed and in effect for any period of sixty (60) consecutive days, the term of this Lease and all right, title and interest of TENANT hereunder shall expire as fully and completely as if that day were the date herein specifically fixed for the expiration of the term, and TENANT will then, quit and surrender the Premises to LANDLORD, but TENANT shall remain liable as hereinafter provided.

If, during the term of this Lease: (i) TENANT shall default in fulfilling any of the covenants of this Lease (other than the covenants for the payment of rent or additional rent), or of any other standing contract with LANDLORD or (ii) if, during the term of this Lease TENANT shall abandon, vacate, or remove from the Premises the major portion of the goods, wares, equipment, or furnishings usually kept on said premises, of (iii) this Lease, without the prior consent of LANDLORD, shall be encumbered, assigned or transferred in any manner in whole or in part or shall, by operation of law, pass to or devolve upon any third party, except as herein provided, or (iv) if TENANT is in violation of laws, rules and regulations regarding minimum wages of its employees, or of any other law, rules and regulations applicable to his operations, but which have not been specifically mentioned in this Lease, LANDLORD may give to TENANT notice of any such default or the happening of any event referred to above and if at the expiration of thirty (30) days after the service of such a notice the default or event upon which said notice was based shall continue to exist, or in the case of a default which cannot with due diligence be

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cured within a period of thirty (30) days, if TENANT fails to proceed promptly after the service of such notice and with all due diligence to cure the same and thereafter to prosecute the curing of such default with all due diligence (it being intended that in connection with a default not susceptible of being cured with due diligence within thirty (30) days that the time of TENANT within which to cure the same shall be extended for such period as may be necessary to complete the same with all due diligence), LANDLORD may give to TENANT a notice of expiration of the term of this Lease as of the date of the service of such second notice, and upon the giving of said notice of expiration the term of this Lease and all right, title and interest of TENANT hereunder shall expire as full and completely as if that day were the date herein specifically fixed for the expiration of the term, and TENANT or any party holding under his will then quit and surrender the Premises to LANDLORD, but TENANT shall remain liable as hereinafter provided.

If, (i) TENANt shall default in the payment of the rent, the additional rent, or of any other payment as required under this Lease and such default shall continue for ten (10) working days after notice thereof by LANDLORD, of (ii) if the default of the payment of the rent, continues for thirty (30) days from the date any such payment became due and payable (AUTOMATIC DEFAULT TERMINATION), or (iii) if this Lease shall terminate as in Paragraph one and two of this Article provided, this Lease shall terminate and TENANT will then quit and surrender the Premises to LANDLORD, but TENANT shall remain liable as hereinafter provided, LANDLORD or LANDLORD's agents and servants may immediately or at any time thereafter re-enter the Premises and remove all persons and all or any property therefrom, whether by summary dispossess proceedings or by any suitable action or proceeding at law, or with the license and permission of TENANT, which shall under this Contract be deemed given upon expiration of the strict thirty (30) days notice period of subdivision of paragraph Two of this Article, without LANDLORD being liable to indictment, prosecution or damages therefor and repossess and enjoy the Premises with all additions, alterations and improvements.

If TENANT shall fail to take possession of the Premises within ten (10) days after the commencement of the term of this Lease, or if TENANT shall vacate and abandon the Premises, LANDLORD shall have the right, at LANDLORD'S option, to terminate this Lease and the term hereof, as well as all the right, title and interest of TENANT hereunder, by giving TENANT five (5) days notice in writing of such

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intention, and upon the expiration of the time fixed in such latter notice, if such default be not cured prior thereto, this lease and the term hereof, as well as all the right, title and interest of TENANT hereunder, shall wholly cease and expire in the same manner and with the same force and effect (except as to TENANT'S liability) as if the date fixed by such latter notice were the expiration of the term herein originally granted; and TENANT shall immediately quit and surrender to LANDLORD the Premises and each and every part thereof and LANDLORD may enter into or repossess the Premises, either by force, summary proceedings or otherwise. The right granted to LANDLORD in this Article or any other Article of this Lease to terminate this Lease, shall apply to any extension or renewal of the term hereby granted, and the exercise of any such right by LANDLORD during the term hereby granted, shall terminate any extension or renewal of the term hereby granted and any right on the part of TENANT thereto.

Upon the termination of this Lease by reason of any of the foregoing event, or in the event of the termination of this Lease by summary dispossess proceedings or under any provisions of law, now or at any time hereafter, in force by reason of, or based upon, or arising out of a default under or breach of this Lease on the part of TENANT, or upon LANDLORD recovering possession of the Premises in the manner or in any of the circumstances hereinbefore mentioned, or in any other manner or circumstances whatsoever , whether with or without legal proceedings, by reason of, or based upon, or arising out of a default under or breach of this Lease on the part of TENANT, LANDLORD, at its option, but without assuming any obligation to do so in any case, may at any time, and from time to time, relet the Premises or any part or parts thereof for the account of TENANT or otherwise on such terms as LANDLORD may elect, including the granting of concessions, and receive and collect the rents therefor, applying the same at a rental not higher than the one stipulated in this Contract, first to the payment of such reasonable expenses as LANDLORD may have incurred in recovering possession of the Premises, including reasonable legal expenses, and for putting the same into good order or condition or preparing or altering the same for re-rental, and expenses, commissions and charges paid, assumed, or incurred by LANDLORD in and about the reletting of the Premises or any portion thereof and then to the fulfillment of the covenants of TENANT hereunder. Any such reletting herein provided for, may be for the remainder of the term of this Lease or for a longer or shorter period or at a higher or lower rental. In any such case, whether or not, the Premises or any part thereof be relet, TENANT shall

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pay to LANDLORD the rent required to be paid by TENANT up to the time of such termination of this Lease, and/or the full rent provided for in the agreement for any holdover of such period after termination and up to the surrender or recovery of possession of the Premises by LANDLORD, as the case may be, and thereafter TENANT covenants and agrees, to pay to LANDLORD until the end of the term of this Lease as originally demised the equivalent of any deficiency amount of all the rent reserved herein, less the net avails of reletting, if any, as specified hereinabove in this Article and the same shall be due and payable by TENANT to LANDLORD as provided herein, that is to say, TENANT shall pay to LANDLORD the amount of any deficiency then existing.

FORTY ONE: LANDLORD'S Remedies - In the event TENANT shall default in the performance of any of the terms, covenants or provisions herein contained, LANDLORD may, but without the obligation to do so, perform the same for the account of TENANT and any amount paid or expense incurred by LANDLORD in the performance of the same shall be repaid by TENANT on demand. In the event of a breach or threatened breach by TENANT or any subtenant or other person holding or claiming under TENANT of any of the covenants, conditions or provisions hereof, LANDLORD shall have the right of injunction to restrain the same, and the right to invoke any remedy allowed by law or in equity as if specific remedies, indemnity or reimbursement were not herein provided for. The rights and remedies given to LANDLORD in this Lease are distinct, separate and cumulative, and no one of them, whether or not exercised by LANDLORD, shall be deemed to be a waiver, or an exclusion of any of the others.

FORTY TWO: Notice of Default - Anything in this Lease to the contrary notwithstanding, it is specifically agreed that there shall be no enforceable default against LANDLORD under any provisions of this Lease, unless notice of such default be given by TENANT to LANDLORD in which TENANT shall specify the default or omission complained of, and LANDLORD shall have thirty (30) days after receipt of such notice in which to remedy such default, or if said default or omission shall be of such a nature that the same cannot be cured within said period, then the same shall not be an enforceable default if LANDLORD shall have commenced taking the necessary steps to cure or remedy said default within the said thirty (30) days and diligently proceeds with the correction thereof.

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FORTY THREE: Capitalization - For the purpose of this Contract, specifically of Article SIX, Capitalization includes the total of owner's equity sources (preferred stock, common stock and surplus accounts) plus long-term debts, it being agreed and understood that the amortization of any such debt shall in no way diminish the amount originally determined as capitalization.

FORTY FOUR: Disclosure of Information - TENANT agrees to furnish to LANDLORD within ninety (90) days after the expiration of each fiscal year of TENANT, an annual statement certified by an independent Certified Public Accountant showing as of the end of each such fiscal year: (i) TENANT'S paid-in capital, (ii) long-term debts and capitalization as required by Articles SIX and FORTY THREE hereof, (iii) investment in machinery and its capacity to provide employment, (iv) taxes (including Social Security taxes) paid, and (v) any other information as required by this Lease.

In the event such statement is not filed with LANDLORD as herein provided, LANDLORD may obtain such information from TENANT at TENANT'S expense, and for such purpose TENANT shall make available to LANDLORD'S designated representatives, its books of accounts and other necessary data and facilities, all of which shall be provided and made available at TENANT'S principal office in Puerto Rico.

FORTY FIVE: Automatic Renewal - In the event TENANT does not vacate the Premises in the manner and under the conditions hereinbefore provided, within ninety (90) days after the normal expiration of the term hereof, LANDLORD shall have the option to be exercised at any time thereafter, to notify TENANT that the lease herein has been renewed for an additional term of five (5) years from the date of the last normal expiration of the term hereof and, in such event, the parties agree that this Contract shall be held to have been renewed and to continue in full force and effect for such additional term of five (5) years upon the mere mailing of such notice by LANDLORD to TENANT. This provision shall in no way prejudice, affect or deny any right which LANDLORD may otherwise have because, or at the time, of any such termination of the term hereof, particularly whenever LANDLORD does not exercise such option; it being agreed and understood that such renewal shall be upon the same terms and conditions contained herein except that the rental rate to be charged shall be the rate then currently

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being charged by LANDLORD for similar building in the area, but in no event shall it be less than the rate herein stipulated.

FORTY SIX: Partial Invalidity and Applicable Law - If any term or provisions of this Lease or the application thereof to any person or circumstances shall, to any extent, be invalid or unenforceable, the remainder of this Lease and the application of such term or provision to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected thereby, and each term and provision of this Lease shall be valid and be enforceable to the fullest extent permitted by law. This Contract is entered into and shall be interpreted in accordance with the laws of the Commonwealth of Puerto Rico.

FORTY SEVEN: Lease Termination and Holding Over - Upon the expiration or termination of this Lease:

(i) TENANT shall inform LANDLORD in writing of TENANT'S activities affecting each or any environmental area of concern during the period of TENANT'S operation, including a description from an environmental standpoint of the physical conditions of the premises and landsite. TENANT shall also inform to LANDLORD in writing of any environmental regulatory violations, compliance plans, permits, closure plans, clean-up actions or any other regulatory procedures related to the operation. In the event that the information reveals TENANT'S noncompliance of any of the above, or in the event that a physical inspection of the Premises and adjacent areas by LANDLORD, or any other source of information reveal the possibility of contamination, in that event, TENANT shall, at LANDLORD'S request submit a plan of action with the appropriate financial provisions to execute it. LANDLORD shall hold TENANT responsible for any and all environmental damage, or any damage to third parties as a result of any environmental damage, or any remedial action (including monitoring) to be performed at landsite or otherwise as a result of TENANT'S operations after termination of Lease and until such a time as complete remediation or fulfillment of TENANT'S obligations is effected. In case TENANT fails to comply with the foregoing provisions, LANDLORD may elect to effect them at TENANT'S expense and responsibility.

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(ii) TENANT shall remove all hazardous and toxic substances belonging to TENANT or to a third party. TENANT shall also remove all other property of TENANT and that of any third party and failing so to do, TENANT hereby appoints LANDLORD its agent so that LANDLORD may cause all of the said property to be removed at the expense and risk of TENANT. TENANT covenants and agrees to give full and timely observance and compliance to this covenant to remove all its property and surrender the Premises broom clean. TENANT hereby agrees to pay all reasonable necessary cost and expenses thereby incurred by LANDLORD. If, as the sole result of the removal of TENANT'S property any portion of the Additional Premises or of the building of which they are a part, are damaged, TENANT shall pay to LANDLORD the reasonable cost of repairing such damages unless due to the gross negligence of LANDLORD, its agents, servants, employees and contractors. TENANT'S obligation to observe or perform this covenant shall survive the expiration or other termination of the term of this Lease.

FORTY EIGHT: Change of Address - TENANT shall promptly notify LANDLORD of any change in the addresses other than those required from it in Article SEVEN hereof.

FORTY NINE: TENANT will indemnify LANDLORD for any and all liability, loss, damages, expenses, penalties and/or fines, and any additional expenses including any attorney fees LANDLORD may suffer as a result of claims, lawsuits, demands, administrative orders, costs, resolutions or judgements against it arising out of negligence and/or failure of TENANT or those acting under TENANT to conform to the statutes, ordinances, or other regulations or requirements of any governmental authority, be it Federal, of the Commonwealth of Puerto Rico, its instrumentalities or public corporations, in connection with the performance of this Lease.

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FIFTY: LANDLORD reserves the right to audit the leased premises from time to time during the term of this agreement, as LANDLORD may deem necessary, in order to assess all aspects of the environmental condition of said premises and TENANT´s compliance with all environmental legislation and regulation, or Commonwealth and Federal Law; TENANT hereby agrees to provide access to all areas and structures of the premises for these purposes, upon LANDLORDS request, and to also provide access to such records and documents which are directly related the environmental condition of the premise which LANDLORD may reasonably deem necessary in order to fully audit the premises for the purpose herein stated.

FIFTY ONE: LANDLORD shall provide a basic electrical distribution system consisting of a 200 AMP meterbase, conduits, conductors, receptacles and junction boxes as indicated in PRIDCO'S Electrical Distribution System Drawings for indicated building.

FIFTY TWO: TENANT shall, at is own cost and expense, construct and/or install all necessary equipment required to connect the building's electrical system to the Puerto Rico Electrical Power Authority's electrical distribution lines, such connection to be made in compliance with the requirement of PREPA.

FIFTY THREE: Anything contained in this Contract to the contrary notwithstanding, if required by TENANT, it shall be at TENANT's own cost and expense the construction and/or installation of a sprinkler system; it being agreed and understood that such construction shall be in accordance with the provisions hereof.

FIFTY FOUR: TENANT shall, at its own cost and expense, install a fire protection system and shall obtain the endorsement and approval from said Fire Department for such installation. TENANT must also provide security measures to prevent or reduce fire hazard due to the storage of inflammable materials and products.

FIFTY FIVE: TENANT must comply with the rules and regulations of pre-treatment established by the Puerto Rico Aqueduct and Sewer Authority, the Environmental Quality Board and the Environmental Protection Agency related to the effluent industrial discharge in the sanitary sewer system and their final disposition. Also, any improvement necessary to provide pre-treatment facilities for the above mentioned effluents shall be at TENANT'S own cost and expense and in coordination and with the approval of LANDLORD's Engineering and Maintenance Departments.

FIFTY SIX: TENANT shall procure and obtain a permit for the operation of a solid waste emission source from the Environmental Quality Board and authorization for the Office of Solid Waste and/or from the Municipality of Arecibo for the final disposition of wastes.

FIFTY-SEVEN: TENANT, at its own cost and expense, shall implement the necessary measures and install the control equipment to maintain the atmospheric air quality levels in compliance with the environmental laws and regulations of the Environmental Quality Board and the

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Environmental Protection Agency, as promulgated by any succeeding law or regulations.

FIFTY EIGHT: TENANT hereby acknowledges that in the industrial park there are other industries; therefore TENANT hereby specifically agrees and undertakes to take such steps and install such equipment as may be necessary to prevent that any hazard and/or noise which may be created by its operations may in any way or manner unduly affect the operations of the other industries and therefore TENANT hereby releases and saves LANDLORD harmless from any and all claims or demands arising therefrom or in connection therewith.

FIFTY NINE: It is hereby agreed and understood that TENANT shall take the necessary steps to comply with the regulations and law requirements of the PUERTO RICO OCCUPATIONAL SAFETY AND HEALTH OFFICE (PROSHO).

SIXTY: TENANT certifies and guarantees that at the date of subscribing this Contract it has submitted the Corporate Tax Returns Forms during the last five (5) years and does not have any tax debt pending with the Commonwealth of Puerto Rico, or is complying with the terms of a payment plan duly approved.

TENANT also certifies and guarantees that at the date of execution of this contract it has paid unemployment insurance compensation, temporary disability insurance, and the driver's social security (as applicable); or is complying with a payment plan duly approved.

TENANT acknowledges that this is an essential condition of the Contract and if the above certification is incorrect in any of its parts, LANDLORD may cancel this contract.

SIXTY ONE: The lease term of the Original Lease Contract as amended, is hereby extended until June 30, 1993 under the same terms and conditions, including the rental payments.

SIXTY TWO: LANDLORD reserves the right to audit the leased premises from time to time during the term of this contract, as LANDLORD may deem necessary, in order to assess all aspects of the environmental condition of said premises and TENANT's compliance with all environmental legislation and regulations, under Commonwealth and federal law; TENANT hereby agrees to provide access to all areas and structures of the premises for these purposes, upon LANDLORD's request, and to also provide access to all books, records, documents and instruments which LANDLORD may deem necessary in order to fully audit the premises as herein stated.

SIXTY THREE: TENANT shall furnish to LANDLORD, in addition to any other information, documents or instruments that may be required in this contract:

a) Prompt written notice of the occurrence of any event that by law or regulation would require any oral, telephonic or written notice or communication to the US Environmental Protection Agency and/or to the Puerto Rico Environmental Quality Board, or any successor agency, and copies of all

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orders, notices or other communications and reports received, made or given in connection with any such event, and any enforcement action taken against TENANT or against any property owned, occupied or used by TENANT;

b) Annualy certifications subscribed by an authorized representative designated by TENANT, as to the environmental condition of the leased premises, containing the information required by LANDLORD, which is specified in the form included as Schedule "B" of this contract, or any subsequent modification thereto;

c) Any other information and documents relating to TENANT's compliance with environmental legislation and regulations under federal and commonwealth laws.

SIXTY FOUR: TENANT hereby guarantees to LANDLORD that, neither he, or any of its stockholders, in case of a corporation, owes any money to LANDLORD under its corporate name or any other corporate name and/or person.

SIXTY FIVE: TENANT shall not transfer, lease, burden or dispose of in any way of the equipment used on its operations without the previous written notice to LANDLORD.

SIXTY SIX: TENANT shall not sell, lease or transfer in any way its operations to any other tenant without the previous written consent of LANDLORD.

SIXTY SEVEN: TENANT agrees to submit to LANDLORD within thirty (30) days from the date of execution of this Contract: (a) a certificate of a resolution of its Board of Directors either authorizing or ratifying the execution of this Contract.

IN WITNESS WHEREOF, LANDLORD and TENANT have respectively signed upon proper authority this Lease, this 16th day of September, 1994.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY
69-0292871

BY: _____

CARIBE GENERAL ELECTRIC PRODUCTS, INC.
DIV. G.E. PLATING
SS-66-02-64639

BY: Amir Lastra de León

ANNEX "B"

COMPLIANCE REPORT OF WITH
ENVIRONMENTAL REQUIREMENTS

In the period of _____ to _____

I. PERMITS

PERMITS NUMBER	EXPIRATION DATE	RENEWAL DATE (IF APPLY)

II. COMPLIANCE ACTIONS

REFERENCE/CASE NUMBER	DATE	RESPONSE OF DATE OF

III. CERTIFICATION

I certify, under penalty of law, that this document was prepared under my supervicion and direction; and that was based in my investigation by the persons directly responsible of gathering the information, that the information here submitted is, according to my best judgment, certain, complete and precise.

_____

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GE_CARIBE000788

OFICINA DE SECRETARIA
SECCION DE CORREO
94 OCT 13 PM 1:22

GE_CARIBE000789

SITE-1

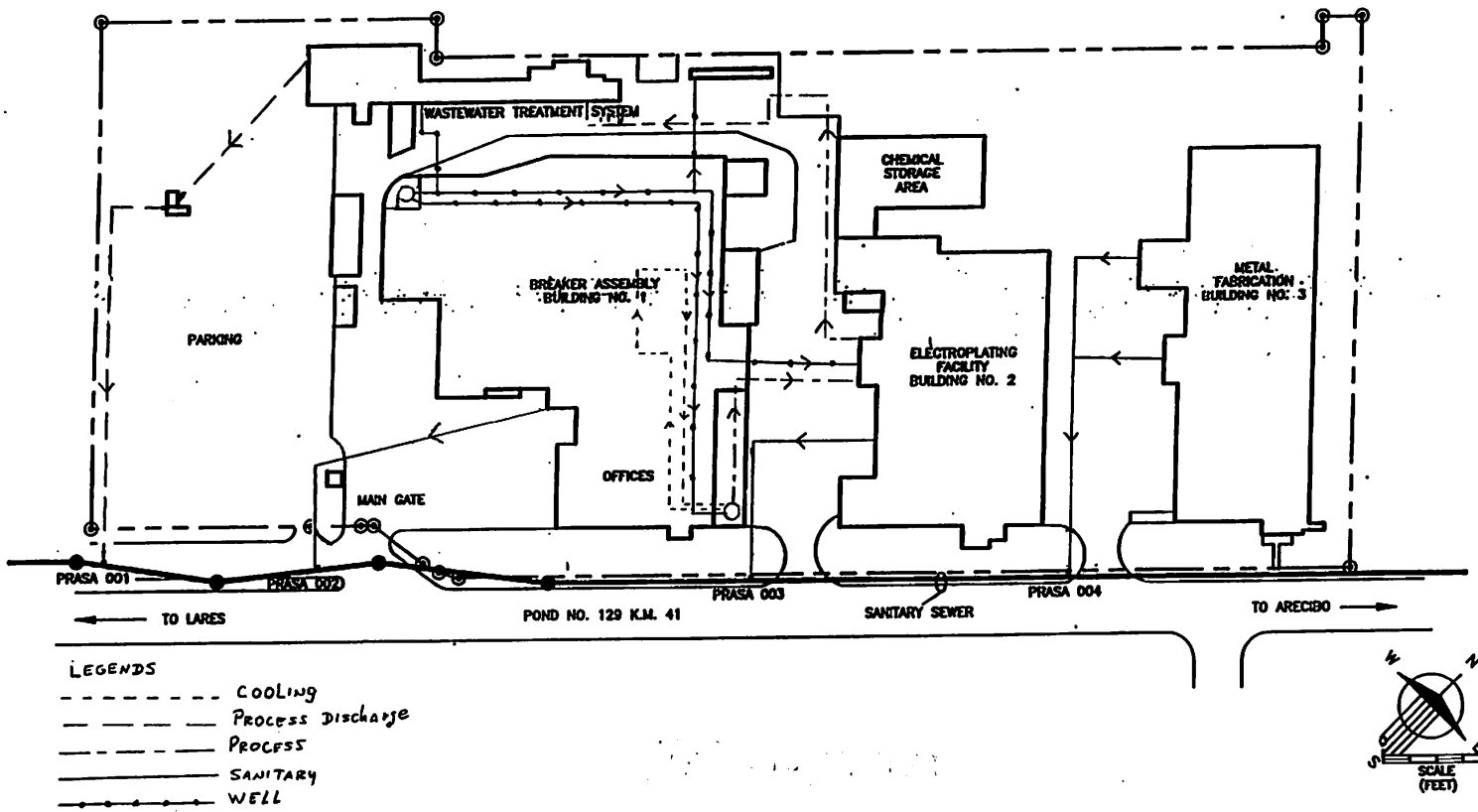
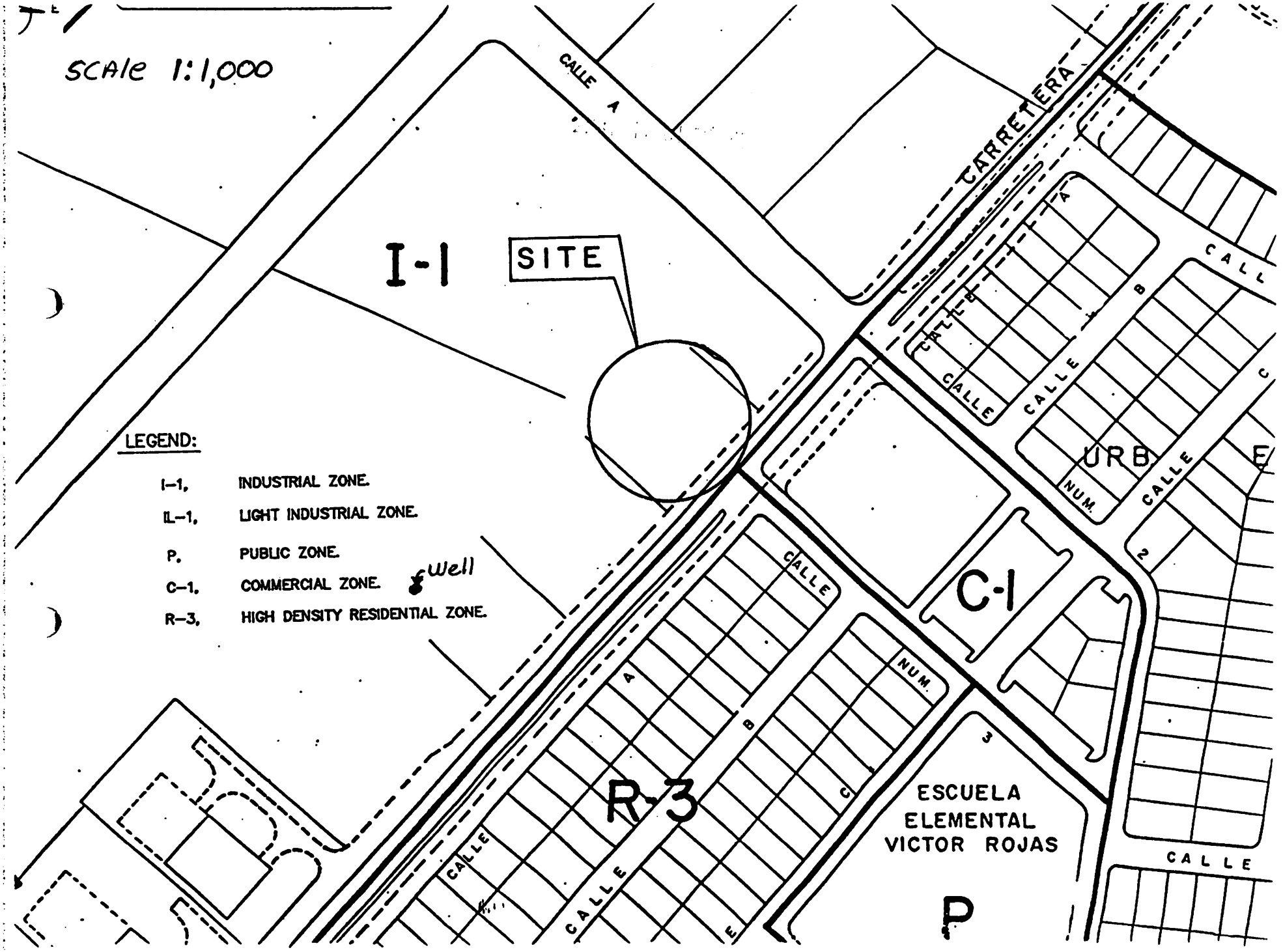
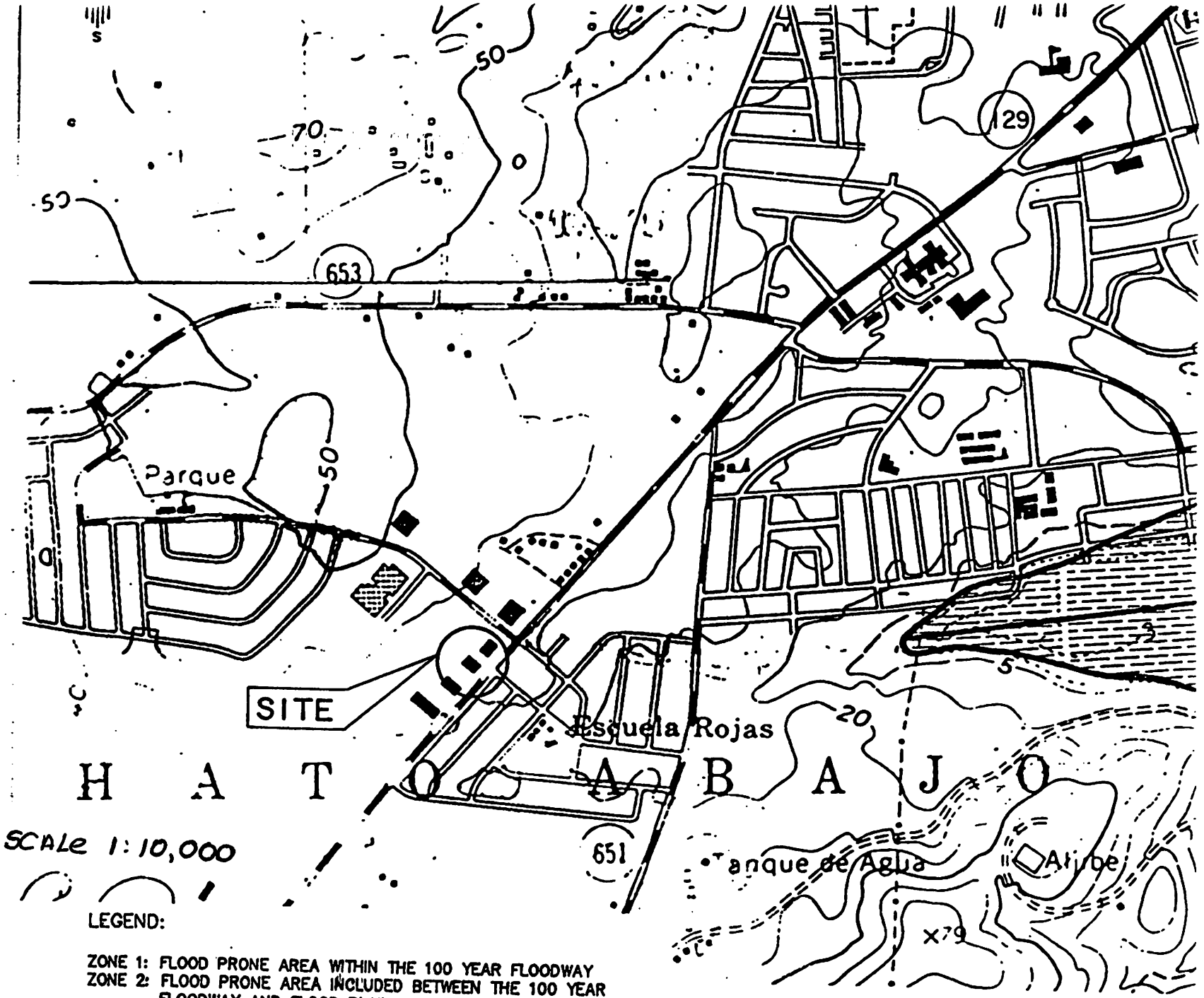
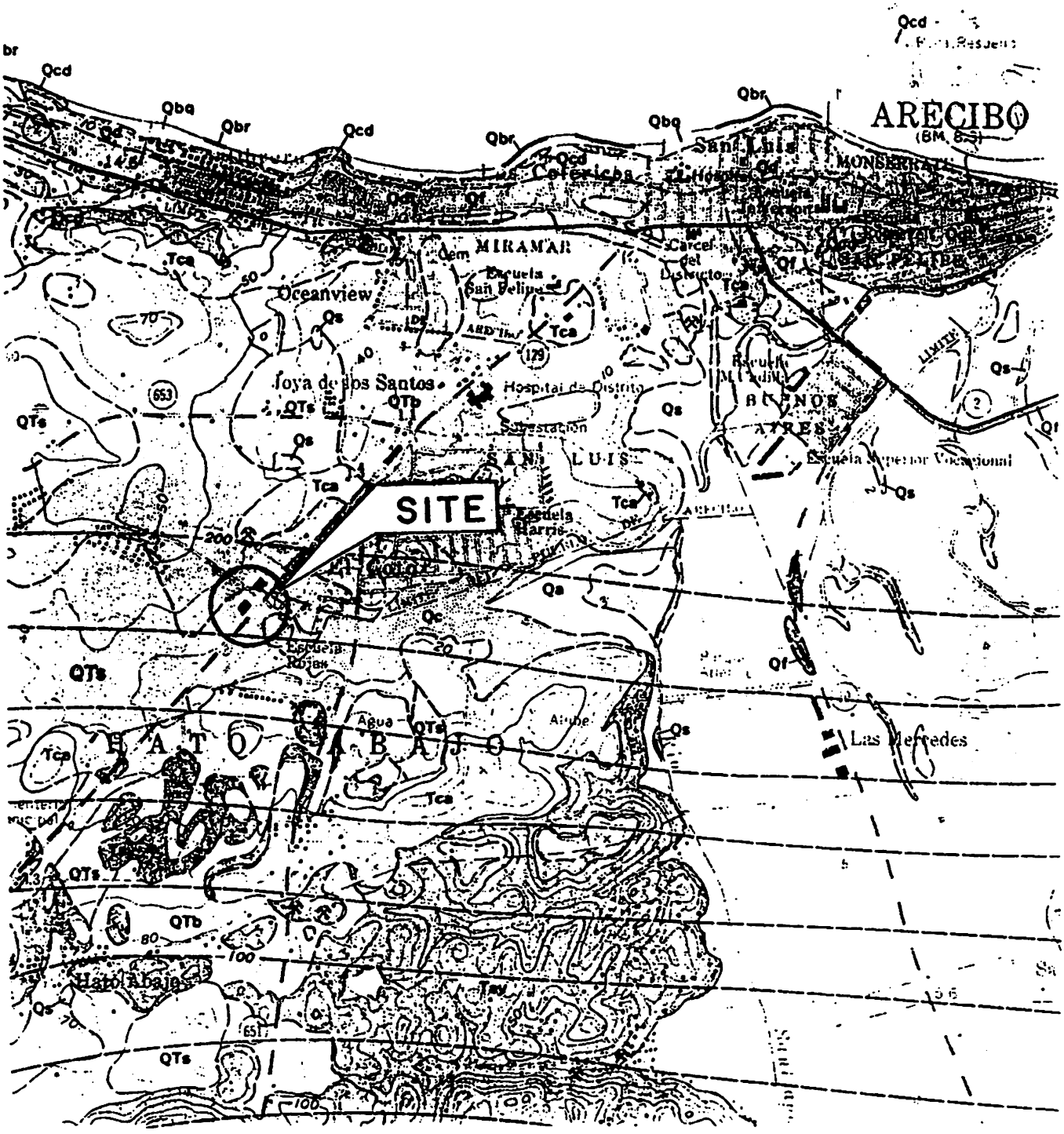


FIGURE 10.
SCHEMATIC OF WASTEWATER FLOWS
CARIBE GE ARECIBO FACILITY
ARECIBO, PUERTO RICO
Source: ECT, 1992.

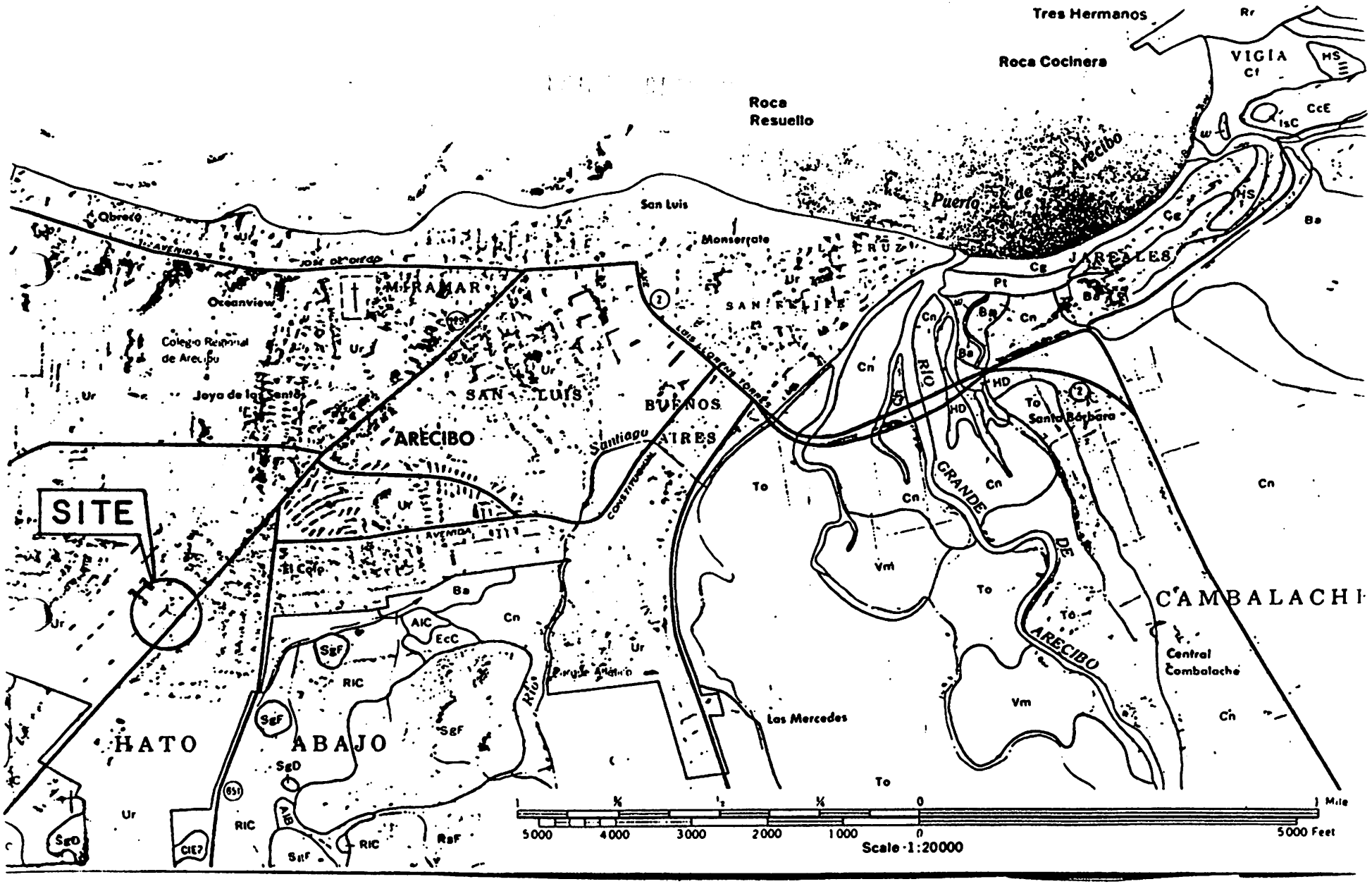
ECT
Environmental Consulting & Technology, Inc.


SCALE 1:1,000
CALLE A
CARRETERA
I-1
SITE
LEGEND:
I-1, INDUSTRIAL ZONE.
IL-1, LIGHT INDUSTRIAL ZONE.
P, PUBLIC ZONE.
C-1, COMMERCIAL ZONE.
Well
R-3, HIGH DENSITY RESIDENTIAL ZONE.
CALLE
URB
NUM.
C-1
R-3
ESCUELA
ELEMENTAL
VICTOR ROJAS
P


SITE
Parque
Escuela Rojas
H A T O A B A J O
SCALE 1:10,000
LEGEND:
ZONE 1: FLOOD PRONE AREA WITHIN THE 100 YEAR FLOODWAY
ZONE 2: FLOOD PRONE AREA INCLUDED BETWEEN THE 100 YEAR FLOODWAY AND FLOOD PLAIN LIMITS
653
651
129
70
50
20
5



SCALE 1: 20,000



Tres Hermanos
Roca Cocinera
Roca Resuello
VIGIA
Puerto de Arecibo
San Luis
Monserrate
LA CRUZ
JAREALES
MIRAMAR
SAN FELIPE
Oceanview
Colegio Regional de Arecibo
Joya de los Santos
SAN LUIS
BUENOS AIRES
ARECIBO
Santiago
SITE
El Cofo
Santa Bárbara
RIO GRANDE DE ARECIBO
CAMBALACHI
Central Combalache
Las Mercedes
HATO ABAJO
Scale 1:20000
5000 Feet
1 Mile

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF STATE
SAN JUAN, PUERTO RICO

CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT: No. 9077-F.

CARIBE GE PLATING, INC.

a corporation organized under the laws of Delaware has filed on December 15, 1993 in the Department of State of Puerto Rico the instruments required by Section 1401 of the General Corporation Law for the Commonwealth of Puerto Rico, approved January 9, 1956.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of the Commonwealth of Puerto Rico, at the City of San Juan, this 20th day of December, A.D., nineteen ninety three.

Lourdes I. de Pierluisi
Assistant Secretary of State

H-0405312

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF STATE
SAN JUAN, PUERTO RICO

CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT: No. 9072-F.

CARIBE GE DISTRIBUTION COMPONENTS, INC.

a corporation organized under the laws of Delaware has filed on December 15, 1993 in the Department of State of Puerto Rico the instruments required by Section 1401 of the General Corporation Law for the Commonwealth of Puerto Rico, approved January 9, 1956.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of the Commonwealth of Puerto Rico, at the City of San Juan, this 20th day of December, A.D., nineteen ninety three.

Lourdes I. de Pierluisi
Assistant Secretary of State

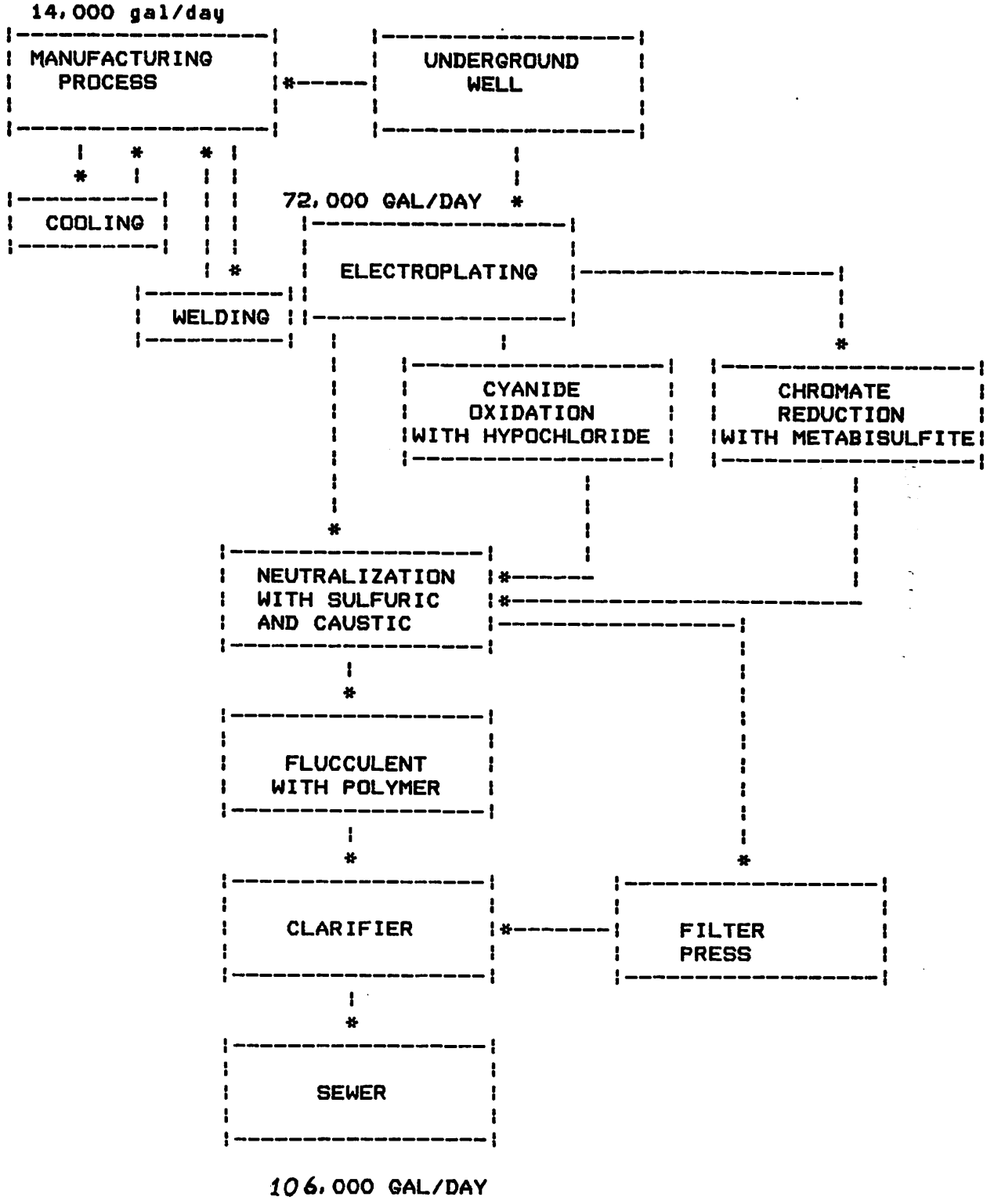
H-0405307

A CONTINUACION SE ENCUENTRA EL DESGLOSE DEL A O DEL USO DE AGUAS EN NUESTRAS FACILIDADES.

	A) PRODUCCION	-	13,000	GAL/DIA
	B) ENFRIAMIENTO	-	500	GAL/DIA
	C) PERDIDA	-	0	GAL/DIA
*	D) USO SANITARIO	-	2,500	GAL/DIA
	E) REEMPLAZO	-	300	GAL/DIA
	F) ELECTROENCHAPE	-	72,000	GAL/DIA

* EL AGUA PARA EL USO SANITARIO PROVIENE DEL SYSTEMA DE LA AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS.

WATER FLOW DIAGRAM



GE Puerto Rico Operation

Lcda. Amir Lastra
Asesor Legal

Edificio General Computer, Oficina 104
Avenida Ponce de León #1590
Rio Piedras, PR 00926-2702
Tel. (809) 754-3100 Ext. 401
Fax: (809) 754-3108

AL: DEPARTAMENTO DE RECURSOS NATURALES
ESTADO LIBRE ASOCIADO DE PUERTO RICO
SAN JUAN, PUERTO RICO

CERTIFICACION

Yo, Amir Lastra de León, Sub-Secretaria de la Junta de Directores de **Caribe General Electric Plating Inc.** y de **Caribe GE Distribution Components Inc.** antes agrupadas como **Caribe GE Products, Inc.**, CERTIFICO que el Sr. Lou Cercone está debidamente autorizado para solicitar a nombre de la planta de Arecibo la renovación de la Franquicia de Agua RF-294-9 al igual que para firmar cualquier documentación necesaria para finalizar dicho trámite.

En San Juan, Puerto Rico a 11 de octubre de 1994.

Amir Lastra de León
Sub-Secretaria

OFICINA DE SECRETARIA
SECCION DE CORREO
94 OCT 13 PM 1:22

GE_CARIBE000800

Form Approved OMB No. 2050-0072

Tier Two
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: Caribe GE Plating & Dist. Components Inc.
Street Address: Road 129 KM 41.0 Zeno Gandia Ind. Park
City: Arecibo State: pr Zip: 00612
SIC Code: 3629 Dun & Brad Number: 09-019-3277

FOR OFFICIAL USE ONLY: ID # ; Date Received

Owner/Operator Name

Name: Lou Cercone Phone: (787) 979-7601
Mail Address: Call Box 2500 Arecibo P.R. 00613

Emergency Contact

Name: Jose L. Castro Title: EHS Coordinator
Phone: (787) 879-7619 24 Hr. Phone: (787) 879-7619
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 19____

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory: Max. Daily Amount (code)	Inventory: Avg. Daily Amount (code)	Inventory: No. of Days On-site (days)	Storage Codes and Locations (Non-Confidential): Storage Code	Storage Locations
CAS 065997195 Trade Secret ☐ Chem. Name: Steel Alloy Check all that apply: [X] Pure [ ] Mix [X] Solid [ ] Liquid [ ] Gas	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [ ] Delayed (chronic)	04	04	365	R14	Building #3 in PalletRacks
						See site plant #6
CAS 007681529 Trade Secret ☐ Chem. Name: Sodium Hypochlorite Check all that apply: [X] Pure [ ] Mix [ ] Solid [X] Liquid [ ] Gas	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [ ] Delayed (chronic)	04	03	365	E14	Chemical Storage Area
					E14	Waste Treatment Plant
CAS ☐ Trade Secret ☐ Chem. Name: Check all that apply: [ ] Pure [ ] Mix [ ] Solid [ ] Liquid [ ] Gas	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic)					

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Lou CERCONE PLANT MGR — Name and official title of owner/operator OR owner/operator's authorized representative
Lou Cercone — Signature
2/27/98 — Date signed

Optional Attachments *(Check one)*

[ ] I have attached a site plan
[ ] I have attached a list of site coordinate abbreviations

Form Approved OMB No. 2050-0072

Tier Two
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: Caribe GE Plating & Dist. Components Inc.
Street Address: Road 129 Km 41.0 Zeno Gandia Ind. Park
City: Arecibo State: PR Zip: 00612
SIC Code: 3629 Dun & Brad Number: 09-019-3277

FOR OFFICIAL USE ONLY — ID #: ____ Date Received: ____

Owner/Operator Name

Name: Lou Cercone Phone: (787) 879-7601
Mail Address: Call Box 2500 Arecibo P.R. 00613

Emergency Contact

Name: Jose L. Castro Title: EHS Coordinator
Phone: (787) 879-7619 24 Hr. Phone: (787) 879-7619

Name: ____ Title: ____
Phone: ( ) ____ 24 Hr. Phone: ( ) ____

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 19____

Chemical Description / Physical and Health Hazards / Inventory / Storage Codes and Locations (Non-Confidential)

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory: Max. Daily Amount (code)	Inventory: Avg. Daily Amount (code)	Inventory: No. of Days On-site (days)	Storage Code	Storage Locations
CAS 000155508; Trade Secret ☐; Chem. Name: Potassium Cyanide; Check all that apply: Pure X, Mix X, Solid X, Liquid X, Gas ☐	Fire ☐; Sudden Release of Pressure ☐; Reactivity ☐; Immediate (acute) X; Delayed (chronic) ☐	02	02	365	C14 D14	Chemical Storage Area Plating Area See site plant #3
CAS 000143339; Trade Secret ☐; Chem. Name: Sodium Cyanide; Check all that apply: Pure X, Mix X, Solid X, Liquid X, Gas ☐	Fire ☐; Sudden Release of Pressure ☐; Reactivity X; Immediate (acute) X; Delayed (chronic) ☐	02	02	365	C14 D14	Chemical Storage Area Plating Area See site plant #4
CAS 007440508; Trade Secret ☐; Chem. Name: copper Alloy; Check all that apply: Pure X, Mix ☐, Solid X, Liquid ☐, Gas ☐	Fire ☐; Sudden Release of Pressure ☐; Reactivity ☐; Immediate (acute) X; Delayed (chronic) ☐	04	04	365	R14	Building #3 in Pallet Racks See site plant #6

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Lou Cercone Plant Mgr ____ [signature] 2/27/97

Optional Attachments *(Check one)*

☐ I have attached a site plan
☐ I have attached a list of site coordinate abbreviations

Form Approved OMB No. 2050-0072

Tier Two
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: Caribe G. E. Plating & Dist. Components Inc.
Street Address: Road 129 KM 41.0 Zeno Gandia Ind. Park
City: Arecibo State: PR Zip: 00612
SIC Code: 3629 Dun & Brad Number: 09-019-3277

FOR OFFICIAL USE ONLY: ID # / Date Received

Owner/Operator Name

Name: Lou Cercone Phone: (787) 979-7601
Mail Address: Call Box 2500 Arecibo P.R. 00613

Emergency Contact

Name: Jose L. Castro Title: EHS Coordinator
Phone: (787) 879-7619 24 Hr. Phone: (787) 879-7619

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19__

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory: Max. Daily Amount (code)	Avg. Daily Amount (code)	No. of Days On-site (days)	Storage Codes and Locations (Non-Confidential): Storage Code	Storage Locations
CAS 007647-01-0; Trade Secret: No Chem. Name: Hydrochloric Acid Check all that apply: Pure: X; Mix: X; Solid: ; Liquid: X; Gas:	Fire: ; Sudden Release of Pressure: ; Reactivity: ; Immediate (acute): X; Delayed (chronic):	03	03	365	C14 D14	Chemical Storage Area Plating Area See site plant #5
CAS 007664-93-9; Trade Secret: No Chem. Name: Sulfuric Acid Check all that apply: Pure: X; Mix: X; Solid: ; Liquid: X; Gas:	Fire: ; Sudden Release of Pressure: ; Reactivity: X; Immediate (acute): X; Delayed (chronic):	04	04	365	C14 D14	Chemical Storage Area Plating Area See site plant #5
CAS 007697-37-2; Trade Secret: No Chem. Name: Nitric Acid Check all that apply: Pure: X; Mix: X; Solid: ; Liquid: X; Gas:	Fire: ; Sudden Release of Pressure: ; Reactivity: X; Immediate (acute): ; Delayed (chronic): X	03	03	365	C14 D14	Chemical Storage Area Plating Area See site plant #2

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Plant Mgr 2/27/97

Optional Attachments *(Check one)*

- [ ] I have attached a site plan
- [ ] I have attached a list of site coordinate abbreviations

Revised June 1990

Page 1 of 1 pages
Form Approved OMB No. 2050-0072

Tier One — EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Aggregate Information by Hazard Type

FOR OFFICIAL USE ONLY — ID # — Date Received

Important: Read instructions before completing form

Reporting Period: From January 1 to December 31, 19____

Facility Identification

Name: Caribe G. E. Plating & Dist. Components, Inc.
Street: Road 129 Km 41.0 Zeno Gandia Ind. Park
City: Arecibo County: ____ State: P.R. Zip: 00612

SIC Code: 3629 Dun & Bradstreet Number: 09-019-3277

Emergency Contacts

Name: Jose L. Castro
Title: EHS Coordinator
Phone: (787) 879-7619
24 Hour Phone: (787) 879-7619

Name: ____
Title: ____
Phone: ( )
24 Hour Phone: ( )

Owner/Operator

Name: ____
Mail Address: ____
Phone: ( )

☐ Check if information below is identical to the information submitted last year.

Physical Hazards

☐ Check if site plan is attached

Hazard Type	Max Amount*	Average Daily Amount*	Number of Days On-Site	General Location
Fire				
Sudden Release of Pressure				
Reactivity	04	04	365	Located in building #2, Chemical Storage Area

Health Hazards

Immediate (acute)	05	04	365	Located in Bulding #2, Chemical Storage Area Located in Building #3, in Pallet Racks
Delayed (Chronic)	03	03	365	Located in Building #2, Chemical Storage Area

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through ____, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.

Luis Cencero Plant Mgr

Name and official title of owner/operator OR owner/operator's authorized representative

Signature: [signature] Date signed: 2/27/91

* Reporting Ranges

Range Code	Weight Range in Pounds From...	To...
01	0	99
02	100	999
03	1000	9,999
04	10,000	99,999
05	100,000	999,999
06	1,000,000	9,999,999
07	10,000,000	49,999,999
08	50,000,000	99,999,999
09	100,000,000	499,999,999
10	500,000,000	999,999,999
11	1 billion	higher than 1 billion

BILLING CODE 6560-50-C

Form Approved OMB No. 2050-0072

Tier Two
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: Caribe GE Plating & Dist. Components Inc.
Street Address: Road 129 KM 41.0 Zeno Gandia Ind. Park
City: Arecibo State: pr Zip: 00612

SIC Code: 3629 Dun & Brad Number: 09-019-3277

FOR OFFICIAL USE ONLY: ID # / Date Received

Owner/Operator Name

Name: Lou Cercone Phone: (787) 979-7601
Mail Address: Call Box 2500 Arecibo P.R. 00613

Emergency Contact

Name: Jose L. Castro Title: EHS Coordinator
Phone: (787) 879-7619 24 Hr. Phone: (787) 879-7619

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 19____

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory: Max. Daily Amount (code)	Inventory: Avg. Daily Amount (code)	Inventory: No. of Days On-site (days)	Storage Codes and Locations (Non-Confidential): Storage Code	Storage Locations
CAS 065997 19 5; Trade Secret ☐; Chem. Name: Steel Alloy; Check all that apply: Pure X, Mix ☐, Solid X, Liquid ☐, Gas ☐	Fire ☐; Sudden Release of Pressure ☐; Reactivity ☐; Immediate (acute) X; Delayed (chronic) ☐	04	04	365	R14	Building #3 in PalletRacks
						See site plant #6
CAS 007681 52 9; Trade Secret ☐; Chem. Name: Sodium Hypochlorite; Check all that apply: Pure X, Mix ☐, Solid ☐, Liquid X, Gas ☐	Fire ☐; Sudden Release of Pressure ☐; Reactivity ☐; Immediate (acute) X; Delayed (chronic) ☐	04	03	365	E14	Chemical Storage Area
					E14	Waste Treatment Plant
CAS ; Trade Secret ☐; Chem. Name: ; Check all that apply: Pure ☐, Mix ☐, Solid ☐, Liquid ☐, Gas ☐	Fire ☐; Sudden Release of Pressure ☐; Reactivity ☐; Immediate (acute) ☐; Delayed (chronic) ☐					

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Lou Cercone Plant Mgr — Name and official title of owner/operator OR owner/operator's authorized representative
Signature
Date signed: 2/27/98

Optional Attachments *(Check one)*

☐ I have attached a site plan
☐ I have attached a list of site coordinate abbreviations

Form Approved OMB No. 2050-0072

Tier Two
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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SIC Code: 3629 Dun & Brad Number: 09-019-3277

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Phone: (787) 879-7619 24 Hr. Phone: (787) 879-7619

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 19__

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory: Max. Daily Amount (code)	Inventory: Avg. Daily Amount (code)	Inventory: No. of Days On-site (days)	Storage Codes and Locations (Non-Confidential): Storage Code	Storage Locations
CAS 000155508 Trade Secret ☐ Chem. Name: Potassium Cyanide Check all that apply: Pure [X] Mix [X] Solid [X] Liquid [X] Gas ☐	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	02	02	365	C14 D14	Chemical Storage Area Plating Area See site plant #3
CAS 000143339 Trade Secret ☐ Chem. Name: Sodium Cyanide Check all that apply: Pure [X] Mix [X] Solid [X] Liquid [X] Gas ☐	☐ Fire ☐ Sudden Release of Pressure [X] Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	02	02	365	C14 D14	Chemical Storage Area Plating Area See site plant #4
CAS 007440508 Trade Secret ☐ Chem. Name: copper Alloy Check all that apply: Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04	04	365	R14	Building #3 in Pallet Racks See site plant #6

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Lou Cercone Plant MGR [signature] 2/27/97

Optional Attachments *(Check one)*

☐ I have attached a site plan
☐ I have attached a list of site coordinate abbreviations

Form Approved OMB No. 2050-0072

Tier Two
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: Caribe G. E. Plating & Dist. Components Inc.
Street Address: Road 129 KM 41.0 Zeno Gandia Ind. Park
City: Arecibo State: PR Zip: 00612
SIC Code: 3629 Dun & Brad Number: 09-019-3277

FOR OFFICIAL USE ONLY: ID # / Date Received

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Emergency Contact

Name: Jose L. Castro Title: EHS Coordinator
Phone: (787) 879-7619 24 Hr. Phone: (787) 879-7619
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19__

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory: Max. Daily Amount (code)	Inventory: Avg. Daily Amount (code)	Inventory: No. of Days On-site (days)	Storage Codes and Locations (Non-Confidential): Storage Code	Storage Locations
CAS 007647-01-0; Trade Secret ☐; Chem. Name: Hydrochloric Acid; Check all that apply: Pure [X], Mix [X], Solid ☐, Liquid [X], Gas ☐	Fire ☐; Sudden Release of Pressure ☐; Reactivity ☐; Immediate (acute) [X]; Delayed (chronic) ☐	03	03	365	C14; D14	Chemical Storage Area; Plating Area; See site plant #5
CAS 007664-93-9; Trade Secret ☐; Chem. Name: Sulfuric Acid; Check all that apply: Pure [X], Mix [X], Solid ☐, Liquid [X], Gas ☐	Fire ☐; Sudden Release of Pressure ☐; Reactivity [X]; Immediate (acute) [X]; Delayed (chronic) ☐	04	04	365	C14; D14	Chemical Storage Area; Plating Area; See site plant #5
CAS 007697-37-2; Trade Secret ☐; Chem. Name: Nitric Acid; Check all that apply: Pure [X], Mix [X], Solid ☐, Liquid [X], Gas ☐	Fire ☐; Sudden Release of Pressure ☐; Reactivity [X]; Immediate (acute) ☐; Delayed (chronic) [X]	03	03	365	C14; D14	Chemical Storage Area; Plating Area; See site plant #2

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Plant Mgr 2/27/97

Optional Attachments *(Check one)*

☐ I have attached a site plan
☐ I have attached a list of site coordinate abbreviations

Revised June 1990

Page 1 of 1 pages
Form Approved OMB No. 2050-0072

Tier One — EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Aggregate Information by Hazard Type

FOR OFFICIAL USE ONLY — ID # — Date Received

Important: Read instructions before completing form

Reporting Period: From January 1 to December 31, 19____

Facility Identification

Name: Caribe G. E. Plating & Dist. Components, Inc.
Street: Road 129 Km 41.0 Zeno Gandia Ind. Park
City: Arecibo County: ____ State: P.R. Zip: 00612
SIC Code: 3629 Dun & Bradstreet Number: 09-019-3277

Emergency Contacts

Name: Jose L. Castro
Title: EHS Coordinator
Phone: (787) 879-7619
24 Hour Phone: (787) 879-7619

Name: ____
Title: ____
Phone: ( )
24 Hour Phone: ( )

Owner/Operator

Name: ____
Mail Address: ____
Phone: ( )

☐ Check if information below is identical to the information submitted last year.

☐ Check if site plan is attached

Physical Hazards

Hazard Type	Max Amount*	Average Daily Amount*	Number of Days On-Site	General Location
Fire				
Sudden Release of Pressure				
Reactivity	04	04	365	Located in building #2, Chemical Storage Area

Health Hazards

Immediate (acute)	05	04	365	Located in Bulding #2, Chemical Storage Area Located in Building #3, in Pallet Racks
Delayed (Chronic)	03	03	365	Located in Building #2, Chemical Storage Area

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through ____, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.

Lou Cencero Plant Mgr
Name and official title of owner/operator OR owner/operator's authorized representative

Signature: [signature] Date signed: 2/27/91

* Reporting Ranges

Range Code	Weight Range in Pounds From...	To...
01	0	99
02	100	999
03	1000	9,999
04	10,000	99,999
05	100,000	999,999
06	1,000,000	9,999,999
07	10,000,000	49,999,999
08	50,000,000	99,999,999
09	100,000,000	499,999,999
10	500,000,000	999,999,999
11	1 billion	higher than 1 billion

BILLING CODE 6560-50-C

Caribe GE

Caribe G.E Distribution Components, Inc.
P.O. Box 2500
Zeno Gandia Industrial Park, Carr. 129 Km.41.0
Arecibo, Puerto Rico 00612
Tel. (809) 878-1420 Fax (809) 878-5353

February 28, 1997

Local Fire Department
P.O. 1535
Arecibo, PR 00613

Attention: Chief Fire Department

Gentelmen:

Re: Sara, Title III, Section 312
Hazardous Chemical Inventory
Reporting-Caribe GE Plating
Caribe GE Distribution Componentns, Inc

As required by Title III, Section 312 of the Superfund Amendment and Reauthorization Act of 1986, enclose herewith are Tier One and Tier Two inventory report for all hazardous chemicals present on site during 1996 for de Caribe GE-Arecibo Plant subject to the reporting requirements of this section.

In an effort to disclose other pertinent information, we are enclosing a copy of the MSDS for the substance included in this report for the first time as per Section 311 requirements. (Sodium Hypoclorite)

Cordially yours,

Lou Cercone
Plant Manager

Enclosures

xc: Milagros Ruiz
President, State Emergency Response Commission
Director, Regional Emergency Response Commission

GE Caribe Products

Ca. Box 2500
Zona Gandia Industrial Park
Road 129 - KM 41.0
Arecibo, Puerto Rico 00612
Tel 809 878-1420
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21 de abril de 1992

Junta de Calidad Ambiental
Oficina Regional de Arecibo
Calle Dr. Rodriguez Irizarry 162
Arecibo, PR 00613-2647

RECIBIDO
ABR. 21 1992
J.C.A.
Regional de Arecibo

Atencion: Sr. Fernando Guzman Esquilin
Director Asesoramiento Cientifico
y Coordinador Regionales

ASUNTO: C-AG-92-07-0003-RA
Caribe General Electric Products, Inc.

Estimado senor Guzman Esquilin:

Hacemos referencia a su comunicacion fechada a 17 de marzo de 1992, en la cual nos hace una serie de requerimientos para poder continuar con la evaluacion de nuestra solicitud de permiso de operacion para la planta de tratamiento en nuestra facilidad de Arecibo.

A continuacion le incluyo la informacion solicitada, conforme al mismo orden de su comunicacion:

1. Se esta preparando una certificacion sobre la operacion de la planta de pretratamiento por nuestro abogado el Lcdo. Patricio Martinez-Lorenzo. Se espera radicar dicho documento, en su oficina, para el dia 22 de abril de 1992.

2. La construccion del nuevo sistema de pre-tratamiento o la expansion a la planta existente, se comenzo para el dia 16 de diciembre de 1991. La facilidad fue terminada el dia 27 de enero de 1992. El equipo nuevo de pre-tratamiento se comenzo a instalar el dia 10 de febrero de 1992. Esta instalacion se completara para el dia 24 de abril de 1992.

3. Se acompana copia del permiso de pre-tratamiento de la Autoridad de Acueductos y Alcantarrillados para la descarga de la planta.

4. Se acompana dos (2) "sets" de los planos de sistema existente, asi como de la expansion, segun requerido en la seccion 8.3 del Reglamento para la Certificacion de Planos y Documentos.

5. Segun acordado, el dia 3 de abril de 1992, con el Ing. Jose J. Rosa de su oficina y representantes de esta compania, se entiende que el Plan de Mejores Practicas de Manejo ("Best Management Practices Plan" en ingles) sera una condicion del permiso y que se requerira la radicacion del mismo en un periodo razonable.

6. Se acompana dos copias de los calculos de diseno, resumen de teorias, criterios y los metodos e hipotesis aplicados en el diseno del sistema existente asi como el nuevo sistema de tratamiento. Estos han sido debidamente firmados y sellados por un ingeniero colegiado en Puerto Rico.

7. Se incluye dos copias del Manual de Operacion y Mantenimiento del sistema nuevo solamente, ya que conforme a la reunion del 3 de abril de 1992 con el Ing. Rosa, este acepto el manual de operacion y mantenimiento para el sistema existente y que fuese radicado con nuestra solicitud original. Conforme al acuerdo con el Ing. Rosa le acompanamos un itinerario de inspeccion diaria para el sistema existente.

8. Se esta preparando una solicitud de dispensa para la zona de amortiguamiento por nuestro abogado Lcdo. Patricio Martinez-Lorenzo y esperamos radicar dicha solicitud, en la oficina central de la Junta, para el viernes 24 de abril de 1992, con copia a su oficina.

9. La capacidad maxima del sistema, segun el diseno nominal de la misma, nos indica un flujo maximo de 108,000 galones por dia.

10. El volumen promedio a ser tratado en el sistema de pretratamiento sera de 70,000 galones por dia.

11. El volumen maximo a ser descargado al sistema de tratamiento de la AAA, sera de 86,000 galones por dia.

En espera que lo anterior cumpla a cabalidad con los requerimientos de esa Junta y que se pueda procesar a la mayor brevedad posible nuestra solicitud de operacion, quedamos de usted,

Atentamente,

Lou Cercone

Sr. Lou Cercone
Gerente de Planta

Sr. Hector Plasencia
Coordinador Ambiental

APENDICE A

CONTENIDO DEL IPUI

El IPUI (Informe Preliminar para Usuarios Industriales) debe contener la siguiente información:

1. Nombre y dirección de la instalación, incluyendo los nombres de los operadores y de los dueños.

2. Lista de los nombres y números de todos los permisos de control ambiental expedidos para la instalación.

3. Breve descripción de la naturaleza, producción promedio y clave SIC para cada una de las operaciones llevadas a cabo, incluyendo un diagrama esquemático del proceso que indique los puntos de descarga del proceso regulado a la PTAR.

4. Datos de medidas o estimados de flujo para las aguas descargadas por el proceso regulado en el sistema de la AAA. Será necesario someter datos de flujo de otros caudales si hay que aplicar la Fórmula de Caudales Combinados ("Combined Wastestream Formula").

5. Identificación de las normas de pretratamiento aplicables a cada proceso regulado y resultados de la medición de concentraciones y/o masa de contaminantes. Todas las muestras deberán ser representativas de las operaciones diarias y los resultados a notificarse deberán incluir valores para concentraciones (o masa, de ser requerido) diarias máximas y promedio. Cuando el flujo de las aguas reguladas muestreadas sea igual o menor de 250,000 galones diarios, el usuario industrial deberá tomar tres muestras dentro de un período de dos semanas. Cuando el flujo de las aguas sea mayor de 250,000 galones diarios, el usuario industrial deberá tomar seis muestras dentro de un período de dos semanas. Si las muestras no pueden tomarse inmediatamente aguas abajo del proceso regulado y otras aguas se mezclan con el proceso regulado, el usuario industrial deberá medir una cantidad suficiente de los flujos y concentraciones de las demás aguas residuales para permitir el uso de la fórmula de caudales combinados.

6. Certificación sobre el cumplimiento o incumplimiento con las Normas de Pretratamiento.

7. En caso de incumplimiento, se deberá someter un itinerario de cumplimiento junto con el IPUI que describa las acciones que el usuario tomará y un calendario para completar estas acciones y alcanzar el cumplimiento con la norma. Este itinerario de cumplimiento deberá contener las etapas específicas de progreso con sus respectivas fechas para el comienzo y la terminación de los eventos principales. Ninguna etapa del itinerario excederá 9 meses. A más tardar 14 días después de cada fecha de terminación en el itinerario, el usuario industrial deberá someter un informe de progreso a la Autoridad de Acueductos y Alcantarillados que indique si se cumplió con la etapa que debía ser alcanzada para la fecha en cuestión, y si no se cumplió, la fecha en que se espera cumplir con esta etapa y los pasos que se está tomando para regresar al itinerario sometido.

Industria : Caribe General Electric Products, Inc.

Núm. Permiso : GDA-92-201-036

I. CONDICIONES GENERALES (se acompañan)

II. CONDICIONES ESPECIALES

A. DESCRIPCION DE LAS DESCARGAS

Descarga 001

Las aguas residuales del efluente de la Planta de Pretratamiento del usuario industrial fluirán a través de esta descarga, localizada en la parte sur de las facilidades. A la facilidad de pretratamiento son descargadas las aguas provenientes del edificio de electroplateado, de la torre de enfriamiento y del proceso de soldadura. Las facilidades de muestreo las proveerá el usuario industrial en el tiempo y condiciones que se indican más adelante en este permiso.

Descarga 002

Las aguas residuales domésticas procedentes del edificio número uno, según lo describe la figura número uno, fluyen a través de esta descarga en la parte Sureste de las facilidades. Las facilidades de muestreo las proveerá el usuario del permiso según lo especificado más adelante en el permiso.

Descarga 003

Las aguas residuales domésticas procedentes del edificio número dos, según lo describe la figura número uno, fluyen a través de esta descarga en la parte Sureste de las facilidades. Las facilidades de muestreo las proveerá el usuario del permiso según lo especificado más adelante en este permiso.

Descarga 004

Las aguas residuales domésticas procedentes del edificio número tres, según lo describe la figura número uno, fluyen a través de esta descarga en la parte Noroeste de las facilidades.

B. **REQUISITOS GENERALES APLICABLES A TODAS LAS DESCARGAS**

El usuario del permiso debe cumplir con las prohibiciones generales y disposiciones generales que se establece en la Sección I de este permiso.

Se prohibe realizar interconexiones, relocalización o mezcla de los flujos entre las descargas sin el consentimiento previo por escrito de la Autoridad de Acueductos y Alcantarillados. También se prohibe cualquier desvío ("bypass") de las instalaciones de pretratamiento.

Cualesquiera ampliaciones de la instalación o modificaciones del proceso anticipadas que tengan como resultado descargas nuevas, diferentes o mayores, deben ser notificadas a la Autoridad de Acueductos y Alcantarillados antes de realizarse.

C. **LIMITACIONES ESPECIFICAS DEL EFLUENTE Y REQUISITOS DE MUESTREO PARA LAS DESCARGAS 001, 002, 003 Y 004.**

Durante el período que cubre este permiso, el usuario del permiso está autorizado a realizar sus descargas en las facilidades de la Autoridad de Acueductos y Alcantarillados limitadas y muestreadas por el usuario del permiso según lo siguiente:

D. **EL USUARIO DEL PERMISO TAMBIEN DEBE CUMPLIR CON LAS SIGUIENTES CONDICIONES**

1. Procedimientos de Análisis

   Los análisis de las descargas deberán ser realizados por un laboratorio cualificado y según métodos aprobados por la Agencia Federal de Protección Ambiental (EPA, por sus siglas en inglés), 40 CFR, Parte 136.

2. Muestreo

   a. El muestreo de la Descarga 001, 002, 003 y 004 deberá realizarse durante el período en que la planta esté operando a un mínimo de 70% de su capacidad o a la capacidad máxima esperada para el período que el muestreo debe cubrir.

   b. A menos que se especifique lo contrario, el cumplimiento con los límites del permiso será determinado mediante muestras compuestas tomadas durante el período completo en que se realice la descarga. Siempre que sea posible, el usuario del permiso debe obtener sus muestras mediante la técnica de muestreo compuesto proporcional al flujo. El muestreo debe ser representantivo de la calidad de las descargas para ese día.

   c. Todas las muestras deben ser preservadas según se indica en los procedimientos de preservación de muestras establecidas por EPA. El usuario del permiso mantendrá un expediente adecuado de las hojas de cadena de custodia.

   d. El análisis de las descargas comenzará dentro del término de diez días a partir de la fecha de efectividad del permiso.

   e. Las instalaciones de muestreo y sus alrededores deberán mantenerse libres de obstáculos o escombros, con amplio espacio para permitir un muestreo adecuado y preciso.

   f. El usuario del permiso es responsable de llevar a cabo un muestreo adecuado, aún cuando el muestreo sea realizado por una tercera persona. La Autoridad de Acueductos y Alcantarillados no aceptará como razón para la violación de algún límite impuesto en este permiso, el hecho de que se haya realizado un muestreo inadecuado. No se utilizará otro punto de muestreo a menos que haya sido aprobado previamente por la Autoridad de Acueductos y Alcantarillados.

g. El muestreo semestral requerido para ciertos parámetros será tomado durante los meses de Febrero y Agosto.

3. Orgánicos Tóxicos Totales (OTT)

En el caso de Orgánicos Tóxicos Totales (OTT), el usuario del permiso necesita analizar sólo para aquellos OTT detectados en concentraciones igual ó mayor de 0.01 mg/l en el primer análisis que incluya todos los orgánicos. Las muestras para OTT deben tomarse en Febrero y Agosto de cada año.

El análisis de OTT debe realizarse mediante una MUESTRA FORTUITA ("GRAB") para la fracción de orgánicos volátiles y COMPUESTA para la fracción de orgánicos no volátiles.

Si en el primer análisis no se detectan orgánicos en concentraciones igual o mayor de 0.01 mg/l, el usuario del permiso no tendrá que volver a analizar para OTT durante el período de efectividad de este permiso. No obstante, el usuario del permiso someterá una carta antes de la próxima fecha límite para someter el análisis de OTT, en la que indique que ésta es la razón para no someter los análisis de OTT en la fecha límite establecida.

4. Requisitos para Cumplir con Pretratamiento

Será responsabilidad del usuario del permiso el cumplir con cualesquiera revisiones del 40 CFR y someter a la Autoridad de Acueductos y Alcantarillados el Informe Preliminar para Usuarios Industriales (IPUI) o cualquier otro informe requerido según el reglamento General de Pretratamiento 40 CFR 403.12. Los límites establecidos en este permiso serán considerados como normas de pretratamiento, y cualesquiera análisis que arrojen resultados que excedan los límites serán considerados como una violación a las condiciones de este permiso. Cualesquiera aguas residuales que excedan los límites del permiso no podrán ser descargadas en las instalaciones de la Autoridad de Acueductos y Alcantarillados.

5. Emergencias

Las emergencias, incluyendo, aunque sin limitarse a, derrames, anomalías operacionales, o cualquier otro evento que afecte o pueda alterar la calidad o el volumen de la descarga, deberán ser notificadas a la Autoridad de Acueductos y Alcantarillados luego de haber ocurrido o luego de que el usuario del permiso se haya dado cuenta de su ocurrencia. La notificación debe hacerse al Area de Pretratamiento de la Autoridad de Acueductos y Alcantarillados, teléfono 765-9355 y a la Planta de Tratamiento de Arecibo, teléfono 880-7455 dentro de las 24 horas después de haber ocurrido la emergencia. Deberá someterse un informe por escrito a más tardar una semana después de ocurrida la emergencia.

6. Renovación del Permiso

El usuario de permiso deberá solicitar la renovación del mismo al menos 120 días antes de su expiración. Deberá someterse también cualquier información nueva o modificación planificada. Este permiso continuará en vigor, incluyendo los requisitos de análisis e informes sobre el volumen y la calidad de las descargas, hasta que el nuevo permiso entre en vigor, a menos que la Autoridad de Acueductos y Alcantarillados revoque este permiso.

7. Muestreo por la Autoridad de Acueductos y Alcantarillados

La Autoridad de Acueductos y Alcantarillados muestreará el efluente de la planta de pretratamiento, o cualesquiera otras descargas o caudales de aguas usadas dentro del complejo, cada vez que la Autoridad de Acueductos y Alcantarillados lo estime necesario para verificar que se esté cumpliendo con el permiso, para determinar la eficiencia de la planta de tratamiento ó para determinar la fuente de algún contaminante en particular.

E. <u>INSTALACIONES ADICIONALES PARA MUESTREO</u>

1. El usuario del permiso proveerá un punto de muestreo para todas las descargas definidas en este permiso. El mismo será de un diámetro igual o mayor de seis pulgadas, sin ángulos ni curvaturas que bloqueen la línea de acceso a la descarga. El usuario tendrá dos semanas a partir de la fecha de efectividad de este permiso para proveer los puntos de muestreo.

2. El usuario del permiso deberá instalar un medidor de flujo, pH y temperatura con registrador contínuo para la Descarga 001.

3. La instalación del equipo mencionado anteriormente deberá ser completada de acuerdo al siguiente itinerario:

Actividad	Comienzo	Terminación	Informe
a. Compra del Equipo	6 abr. 92	12 may. 92	01 jun. 92
b. Instalación del Equipo	12 may. 92	01 jun. 92	15 jun. 92
c. Calibración y Prueba	01 jun. 92	15 jun. 92	29 jun. 92
d. Equipo en Servicio Continuo	15 jun. 92	22 jun. 92	06 jul. 92

4. El medidor de flujo deberá tener una precisión de ± 5%, y el medidor de pH una precisión de ± 0.1 U.E. El usuario del permiso deberá mantenerlos contínuamente en óptimas condiciones operacionales.

5. Todos los instrumentos deberán calibrarse con la frecuencia adecuada, según las especificaciones del fabricante. El usuario del permiso deberá conservar evidencia de tales calibraciones.

6. Cada hoja de registro de los medidores de flujo y pH deberá indicar la fecha y la hora en que comienza y termina la hoja. Si la hoja registra más de un día, deberá identificarse cada día por separado.

F. **MULTAS**

1. El usuario del permiso pagará multas de hasta $5,000 diarios por violación debido a incumplimiento o por violación de las condiciones establecidas en este permiso y/o de las Reglas y Reglamentos de la Autoridad de Acueductos y Alcantarillados. Esta condición no aplica a violaciones sobre límites interinos e incumplimiento con las actividades del Plan de Cumplimiento, si se han estipulado multas específicas para tales violaciones.

2. El usuario del permiso también deberá pagar a la Autoridad de Acueductos y Alcantarillados sobrecargo, de ser aplicable, aún si el usuario del permiso ha pagado multas por violaciones al permiso. El sobrecargo se calculará según la Sección 5.02, Subparte F del Reglamento de la Autoridad de Acueductos y Alcantarillados.

G. **PAGOS POR MULTAS**

1. Los cheques de pago de multas se emitirán a la orden de: Autoridad de Acueductos y Alcantarillados y serán enviados a la atención de:

   Sra. Ruth Rivera
   Funcionario Administrativo II
   Area de Pretratamiento (McCraken)

2. Al enviar el cheque el usuario del permiso deberá indicar:

   a. Nombre de la industria.
   b. Número del permiso.

H. **PREPARACION DE INFORMES Y MANTENIMIENTO DE EXPEDIENTES**

1. Los informes de automuestreo y análisis (IAM) deberán recibirse en la Autoridad de Acueductos y Alcantarillados antes del día 28 del mes siguiente al muestreo. Cada informe deberá contener la siguiente información:

   a. Copia del informe original del laboratorio certificado por un químico licenciado. Este debe identificar claramente la descarga o el caudal muestreado. Las unidades de concentración deberán estar expresadas en las mismas unidades establecidas en los límites de descarga de este permiso (mg/l, U.E., Pt-Co ó GPD, según el parámetro) así como según el tipo de muestra tomada (fortuíta, compuesta, etc.).

   b. Copia de la hoja de cadena de custodia de las muestras.

   c. Copia de las hojas de registro de pH, temperatura y flujo para la descarga 001. Cada hoja debe estar identificada adecuadamente, indicándose la escala en que se miden cada parámetro.

d. Una tabla que resuma los valores máximos, mínimos y promedios diarios según se obtienen de las lecturas de las hojas de registro de pH, temperatura y flujo.

e. Copia de todos los análisis realizados durante el período de muestreo, en adición a los requeridos por este permiso.

2. El usuario del permiso entregará a la Autoridad de Acueductos y Alcantarillados, antes del 31 de diciembre y del 30 de junio de cada año, un informe semestral que indique el status de cumplimiento durante los seis meses anteriores.

El informe semestral o periódico a someterse antes del 31 de diciembre deberá incluir el status de cumplimiento para los meses del 1ro de junio al 30 de noviembre, y el informe del 30 de junio deberá incluir el status de cumplimiento para los meses del 1ro de diciembre al 31 de mayo.

Este informe deberá incluir:

a. Un resumen de todos los análisis informados durante los seis meses anteriores, con valores máximos, mínimos y promedio para cada parámetro.

b. Cuáles parámetros fueron los más difíciles de controlar y qué medidas se tomaron para mejorar el control de los mismos.

c. Las anomalías operacionales, fueren o no planificadas, y las descargas accidentales, deberán ser notificadas y documentadas, incluyendo fechas, causas, acciones tomadas para corregirlas y para impedir futuras ocurrencias.

d. Evidencia de la calibración de toda la instrumentación de muestreo efectuado durante el período.

e. Status del Plan de Cumplimiento, si existe. En el caso de incumplimiento las razones para no cumplir y las medidas tomadas para lograr cumplimiento.

3. El usuario deberá cumplir con todos los requisitos de reporte y mantenimiento de expedientes establecidos en la Sección I de este Permiso.

4. El usuario del permiso deberá someter a la Autoridad de Acueductos y Alcantarillados el Informe Preliminar Para Usuarios Industriales no más tarde de 45 días después de la fecha de efectividad del permiso. El mismo incluirá toda la información especificada en el Apéndice A de este permiso.

5. El usuario del Permiso deberá someter a la Autoridad de Acueductos y Alcantarillados el Plan de Prevención y Control de Derrames no más tarde de 45 días después de la fecha de efectividad del permiso.

6. Todos los informes deberán ser enviados a:

   Sr. Nelson Hernández - D-026
   Jefe, División de Cumplimiento
   Area de Pretratamiento (Edificio Barreras)
   Autoridad de Acueductos y Alcantarillados
   Apartado 7066 - Estación Barrio Obrero
   Santurce, Puerto Rico 00916

7. División a Cargo

   Todos los informes enviados a la Autoridad de Acueductos y Alcantarillados deberán indicar claramente el número de permiso, la instalación industrial y la División a cargo. La División I del Departamento de Permisos ha sido designada para manejar este permiso.

I. COMPROMISO A PAGAR

El usuario del permiso se compromete a pagar y/o negociar la deuda por servicios de alcantarillados de la descarga 001 dentro de los siguientes quince (15) días a partir de la fecha de efectividad del permiso.

J. DEFINICIONES Y ABREVIATURAS

1. Definiciones

   a. "Descarga" quiere decir cualquier conexión de la planta con el sistema de alcantarillado sanitario de la Autoridad de Acueductos y Alcantarillados.

b. "Caudal" quiere decir cualquier flujo o descarga que pase por el alcantarillado interno de la planta.

c. "Muestra compuesta" quiere decir una serie de muestras fortuitas tomadas a intervalos de tiempo iguales, ya sea en cantidad proporcional al flujo o iguales en volumen.

d. "Muestra fortuita" ("grab") quiere decir una muestra individual tomada durante un período no mayor de 15 minutos.

e. "Medida instantánea" quiere decir cualquier medición individual tomada en un solo espacio.

2. Abreviaturas

a. "AAA" se refiere a la Autoridad de Acueductos y Alcantarillados.

b. "A & G" quiere decir Aceite y Grasas.

c. "DBO" quiere decir Demanda Bioquímica de Oxígeno.

d. "DQO" quiere decir Demanda Química de Oxígeno.

e. "EPA" son las siglas en inglés de la Agencia Federal de Protección Ambiental.

f. "GPD" quiere decir Galones por Día.

g. "IAM" significa Informe de Automuestreo.

h. "IPUI" quiere decir Informe Preliminar para Usuarios Industriales (Baseline Monitoring Report ó BMR).

i. "mg/l" quiere decir Miligramos por Litro.

j. "NRM" quiere decir No se Requiere Muestreo.

k. "OTT" significa Orgánicos Tóxicos Totales.

l. "PPCD" se refiere al Plan de Prevención y Control de Derrames.

m. "PRTAR" se refiere a Planta Regional de Tratamiento de Aguas Residuales.

n. "PTAR" significa Planta de Tratamiento de Aguas Residuales.

o. "SS" quiere decir Sólidos Sedimentables.

p. "SST" significa Sólidos Suspendidos Totales.

q. "U.E." significa Unidades Estándares.

r. "Pt-Co" significa unidades de color en platino-cobalto.

s. "SDT" significa Sólidos Disueltos Totales.

PARAMETRO	LIMITE DE DESCARGA	TIPO DE MUESTRA	FRECUENCIA
21. SS (mg/l)	125.0	Compuesta 24 Hrs.	2/año
22. TEMPERATURA DE INFLAMABILIDAD (F)	> 140	Fortuita	"
23. FENOLES (mg/l)	0.50	Fortuita	"

LIMITES FINALES Y REQUISITOS DE MUESTREO
DESCARGA 004

PARAMETRO	LIMITE DE DESCARGA	TIPO DE MUESTRA	FRECUENCIA
1. TEMPERATURA (C)	40	Medida instantanea por Laboratorio	2/año
2. pH (U.E.)	6.5 - 9.0	" "	"
3. COBRE TOTAL (mg/l)	1.0	Compuesta 24 Hrs.	"
4. MERCURIO (mg/l)	0.05	Compuesta 24 Hrs.	"
5. NIQUEL (mg/l)	0.50	"	"
6. CROMO TOTAL (mg/l)	1.0	"	"
7. PLATA (mg/l)	0.05	"	"
8. CADMIO (mg/l)	0.10	"	"
9. CINC (mg/l)	0.50	"	"
10. PLOMO (mg/l)	0.20	"	"
11. ALUMINIO (mg/l)	1.0	"	"
12. SELENIO (mg/l)	0.20	"	"
13. HIERRO (mg/l)	2.0	"	"
14. MANGANESO (mg/l)	2.0	"	"
15. ESTAÑO (mg/l)	5.0	"	"
16. CIANUROS TOTALES (mg/l)	0.10	Fortuita	"
17. ACEITES Y GRASAS (mg/l)	50.0	Fortuita	"
18. DBO5 (mg/l)	175.0	Compuesta 24 Hrs.	"
19. FLUJO (GPD)	- -	N R M	
20. DQO (mg/l)	300.0	Compuesta 24 Hrs.	"

PARAMETRO	LIMITE DE DESCARGA	TIPO DE MUESTRA	FRECUENCIA
21. SS (mg/l)	125.0	Compuesta 24 Hrs.	2/año
22. TEMPERATURA DE INFLAMABILIDAD (F)	> 140	Fortuita	"
23. FENOLES (mg/l)	0.50	Fortuita	"

LIMITES FINALES Y REQUISITOS DE MUESTREO
DESCARGA 003

PARAMETRO	LIMITE DE DESCARGA	TIPO DE MUESTRA	FRECUENCIA
1. TEMPERATURA (C)	40	Medida instantanea por Laboratorio	2/año
2. pH (U.E.)	6.5 - 9.0	" "	"
3. COBRE TOTAL (mg/l)	1.0	Compuesta 24 Hrs.	"
4. MERCURIO (mg/l)	0.05	Compuesta 24 Hrs.	"
5. NIQUEL (mg/l)	0.50	"	"
6. CROMO TOTAL (mg/l)	1.0	"	"
7. PLATA (mg/l)	0.05	"	"
8. CADMIO (mg/l)	0.10	"	"
9. CINC (mg/l)	0.50	"	"
10. PLOMO (mg/l)	0.20	"	"
11. ALUMINIO (mg/l)	1.0	"	"
12. SELENIO (mg/l)	0.20	"	"
13. HIERRO (mg/l)	2.0	"	"
14. MANGANESO (mg/l)	2.0	"	"
15. ESTAÑO (mg/l)	5.0	"	"
16. CIANUROS TOTALES (mg/l)	0.10	Fortuita	"
17. ACEITES Y GRASAS (mg/l)	50.0	Fortuita	"
18. DBO5 (mg/l)	175.0	Compuesta 24 Hrs.	"
19. FLUJO (GPD)	- -	N R M	
20. DQO (mg/l)	300.0	Compuesta 24 Hrs.	"

PARAMETRO	LIMITE DE DESCARGA	TIPO DE MUESTRA	FRECUENCIA
21. SS (mg/l)	125.0	Compuesta 24 Hrs.	2/año
22. TEMPERATURA DE INFLAMABILIDAD (F)	> 140	Fortuita	"
23. FENOLES (mg/l)	.50	Fortuita	2/año

LIMITES FINALES Y REQUISITOS DE MUESTREO
DESCARGA 002

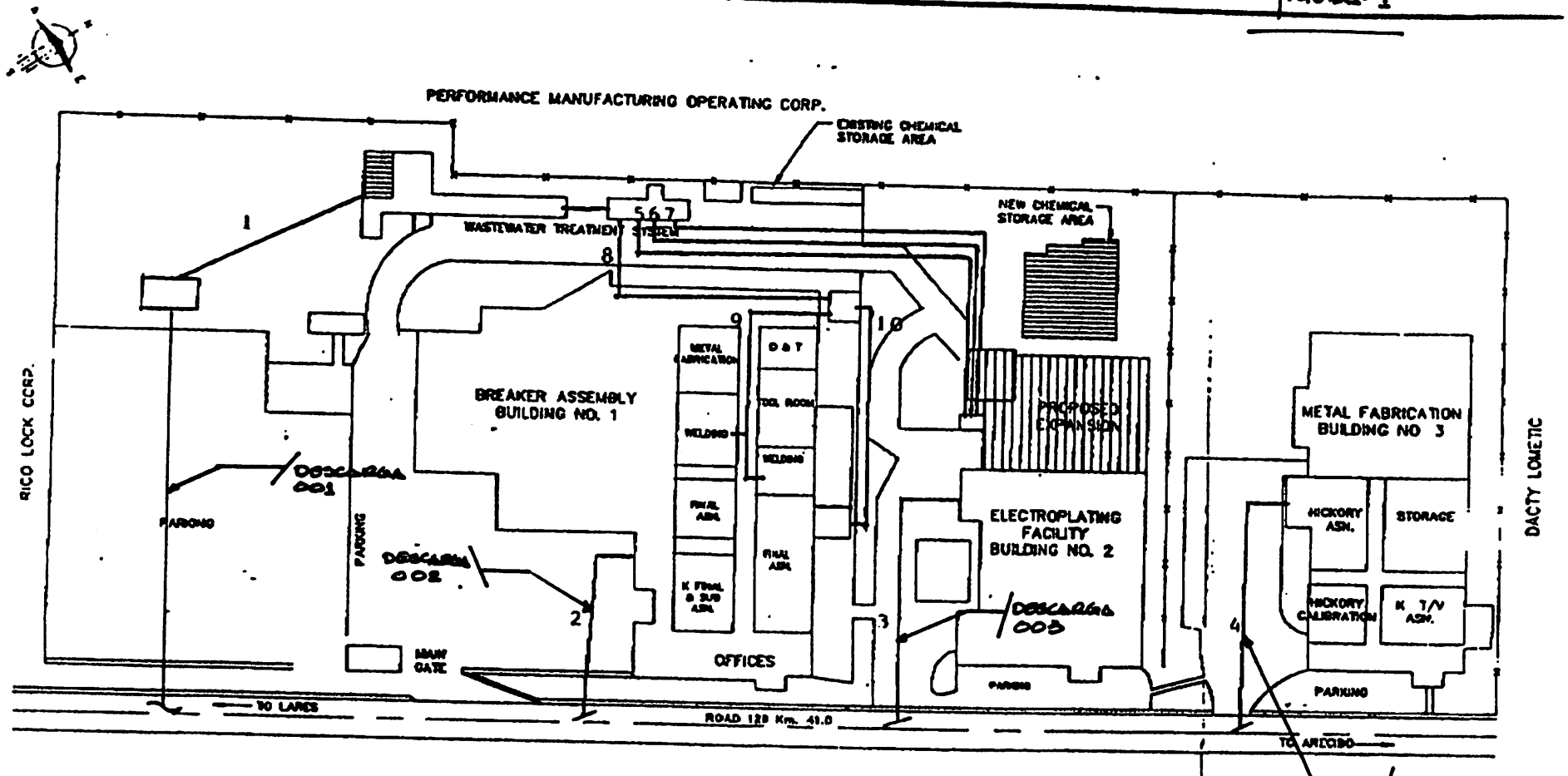
PARAMETRO	LIMITE DE DESCARGA	TIPO DE MUESTRA	FRECUENCIA
1. TEMPERATURA (C)	40	Medida instantanea	2/año
2. pH (U.E.)	6.5 - 9.0	" "	"
3. COBRE TOTAL (mg/l)	1.0	Compuesta 24 Hrs.	"
4. MERCURIO (mg/l)	0.05	Compuesta 24 Hrs.	"
5. NIQUEL (mg/l)	0.50	"	"
6. CROMO TOTAL (mg/l)	1.0	"	"
7. PLATA (mg/l)	0.05	"	"
8. CADMIO (mg/l)	0.10	"	"
9. CINC (mg/l)	0.50	"	"
10. PLOMO (mg/l)	0.20	"	"
11. ALUMINIO (mg/l)	1.0	"	"
12. SELENIO (mg/l)	0.20	"	"
13. HIERRO (mg/l)	2.0	"	"
14. MANGANESO (mg/l)	2.0	"	"
15. ESTAÑO (mg/l)	5.0	"	"
16. CIANUROS TOTALES (mg/l)	0.10	Fortuita	"
17. ACEITES Y GRASAS (mg/l)	50.0	Fortuita	"
18. DBO5 (mg/l)	175.0	Compuesta 24 hrs.	"
19. FLUJO (GPD)		N R M	
20. DQO (mg/l)	300.0	Compuesta 24 Hrs.	"

PARAMETRO	LIMITE DE DESCARGA	TIPO DE MUESTRA	FRECUENCIA
21. OTT (mg/l)	2.13	Fortuíta/Compuesta	2/año
22. SS (mg/l)	125.0	Compuesta 24 Hrs.	1/año
23. TEMPERATURA DE INFLAMABILIDAD (F)	> 140	Fortuita	"
24. COLOR (Pt-Co)	75	Fortuita	1/mes
25. FENOLES (mg/l)	0.50	Fortuita	"

LIMITES FINALES Y REQUISITOS DE MUESTREO
DESCARGA 001

PARAMETRO	LIMITE DE DESCARGA	TIPO DE MUESTRA	FRECUENCIA
1. TEMPERATURA (C)	40	Registro Contínuo	1/mes
2. pH (U.E.)	6.5 - 9.0	Registro contínuo	"
3. COBRE TOTAL (mg/l)	1.04	Compuesta 24 Hrs.	"
4. MERCURIO (mg/l)	0.05	Compuesta 24 Hrs.	"
5. NIQUEL (mg/l)	0.50	"	"
6. CROMO TOTAL (mg/l)	1.0	"	"
7. PLATA (mg/l)	0.05	"	"
8. CADMIO (mg/l)	0.10	"	"
9. CINC (mg/l)	0.50	"	"
10. PLOMO (mg/l)	0.20	"	"
11. ALUMINIO (mg/l)	1.0	"	"
12. SELENIO (mg/l)	0.20	"	"
13. HIERRO (mg/l)	2.0	"	"
14. MANGANESO (mg/l)	2.0	"	"
15. ESTANO (mg/l)	5.0	"	"
16. CIANUROS TOTALES (mg/l)	0.10	Fortuíta	"
17. ACEITES Y GRASAS (mg/l)	50.0	Fortuíta	"
18. DBO5 (mg/l)	175.0	Compuesta 24 Hrs.	"
19. FLUJO (GPD)	86,000	Registro contínuo	"
20. DQO (mg/l)	300.0	Compuesta 24 Hrs.	"

FIGURA #1



LEGEND:

UPGRADE

NEW CONSTRUCTION

SOURCE: CARIBE GEN[illegible]ELECTRIC (1987)

EVALUACION AMBIENTAL
CONSOLIDACION DE OPERACIONES DE ELECTROENCHAPE
FACILIDAD CARIBE G.E.-AR[illegible]O

LAW ENVIRONMENTAL - CARIBE
EDIFICIO CASO, SUITE 603
1225 PONCE DE LEON AVENUE
SANTURCE, PUERTO RICO 00907

PLANO DE LA F[illegible]LIDAD CON MEJORAS Y EXPA[illegible] PROPUESTA

GE_CARIBE000833

Estado Libre Asociado de Puerto Rico
AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS
AREA DE PRETRATAMIENTO (McCraken)

20 de marzo de 1992

ENVIADO CERTIFICADO CON ACUSE DE RECIBO

RECIBIDO
ABR. 21 1992
J.C.A.
Regional de Arecibo

Sr. Lou Cercone
Gerente de Planta
Caribe General Electric Products, Inc.
Call Box 2500
Arecibo, Puerto Rico - 00613

Estimado señor Cercone:

Asunto: Permiso GDA-92-201-036

Adjunto encontrará el Permiso de Descarga Industrial para la instalación antes mencionada. El permiso incluye Limitaciones a los Efluentes y Requisitos de Muestreo, así como condiciones generales y específicas con las cuales el usuario del permiso debe cumplir.

Usted tiene quince (15) días consecutivos a partir del recibo de esta carta para someter comentarios. Si dentro de este término no recibimos comentario alguno, al cabo del mismo el permiso será final y firme. Favor de acusar recibo de la presente firmando en los espacios que se disponen a continuación.

Si tiene usted alguna pregunta o de necesitar alguna aclaración sobre alguna de las condiciones del permiso, favor de llamar al Ing. Luis M. Meléndez Fox al teléfono 765-9315 ó 9355.

Atentamente,

Martha Rivera Rosa
Martha Rivera Rosa
Directora
Area de Pretratamiento

Anexo

Recibido por:

Firma	EDUARDO DIAZ Nombre	MANTENIMIENTO Posición
4-8-92. Fecha		

Estado Libre Asociado de Puerto Rico
AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS
Area de Pretratamiento

INFORMACION GENERAL SOBRE EL USUARIO DEL PERMISO

Permiso Núm.	:	GDA-92-201-036
Nombre de la Compañía	:	Caribe General Electric Products, Inc.
Dirección Física	:	Carr. 129 Km. 4.0 Parque Industrial Zeno Gandía Arecibo, Puerto Rico
Dirección Postal	:	Call Box 2500 Arecibo, P.R. 00613
Número Telefónico	:	878-1420
Número en Caso de Emergencia	:	878-8927
Clasificación Industrial(SIC)	:	3643 "Current - Carrying Wiring Devices" 3471 "Electroplating, Plating, Polishing" 2843 "Specialty Cleaning, Polishing and Sanitation Preparations"
Categoría Industrial	:	40 CFR - 433 "Metal Finishing Point Source Category"

Estado Libre Asociado de Puerto Rico
AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS
Area de Pretratamiento (McCraken)

PERMISO DE DESCARGA INDUSTRIAL

Permiso Núm. GDA-92-201-036

En consonancia con el Reglamento para la Prestación de Servicios de Agua y Alcantarillado, así como con cualesquiera disposiciones de las Leyes o los Reglamentos del Gobierno Federal o del Estado Libre Asociado, la Autoridad de Acueductos y Alcantarillados por la presente autoriza a Caribe General Electric Products, Inc. localizado en Arecibo, a descargar en la Planta de Tratamiento de Aguas Residuales de Arecibo, sujeto a todos los términos y condiciones que se especifican en el permiso.

Expedido hoy	20	de	Marzo	de	1992
Efectivo el	06	de	Abril	de	1992
Expira el	06	de	Abril	de	1993

Martha Rivera Rosa
Directora
Area de Pretratamiento

ESTADO LIBRE ASOCIADO DE PUERTO RICO
AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS
AREA DE PRETRATAMIENTO (McCRAKEN)
APARTADO POSTAL 7066 - ESTACION BARRIO OBRERO
SANTURCE, PUERTO RICO 00916

PERMISO DE DESCARGA INDUSTRIAL

Expedido hoy	20	de	Marzo	de	1992
Efectivo el	06	de	Abril	de	1992
Expira el	06	de	Abril	de	1993

A. Arroyo

PRECISION PROTECTIVE DEVICES, INC.

P.O. BOX 377 • PALMER, PUERTO RICO 00721 • TEL. 809-887-2050

cc: D. Esperson
I. Rivera

June 9, 1980

Mr. Ramón Calero
Economic Development Administration
GPO Box 2350
San Juan, P. R. 00936

Subject: T-302-0-56 Vol 14

Dear Mr. Calero:

Attached are the signed original and two copies of the lease contract covering project T-302-0-56. Also enclosed is a check for $1,250 to cover the required deposit. You will return a duly executed copy for our files.

The environmental impact statement is being prepared by our Division headquarters in Plainville, Conn. Mr. D. H. Esperson is coordinating this portion of the project and will be in contact with you shortly.

Thank you for your cooperation.

Very truly yours,

R. E. Sessions
President

RES/acm
enc.

Insurance
Called Philip Rodriguez
6/17/80. He will process endorsement
to cover this building
Len Zwick - 6/17/80 to get extended
Len Zwick
call 6/16/80

RECEIVED
JUN 11 1980
GEPOL

PRIDCO
F 6070
R 6-1-61

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY
SAN JUAN, PUERTO RICO

Lease Contract

THIS LEASE, made as of the _____ day of _____, 19___, between PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY party of the first part, hereinafter referred to as "Landlord", and GENERAL ELECTRIC GEPOL, INC. party of the second part, hereinafter referred to as "Tenant",

WITNESSETH:

PREMISES: Landlord hereby demises and leases unto Tenant, and Tenant hereby hires and takes from Landlord a certain landsite and improvements (Project No. T-302-0-56) located at Arecibo, _____ Puerto Rico, more particularly described in Schedule A hereto annexed and made part hereof, hereinafter referred to as the "premises" or the "demised premises".

USE: To be used and occupied in the manufacture of circuit breakers & tripe---------- and for no other purpose.

SUBJECT TO: The demised premises are leased subject to the encumbrances, leases, restrictions and conditions, if any, set forth on Schedule B hereto annexed and made part hereof.

TERM: To Have And To Hold the demised premises for the term to commence on --------- See Article 39-G and to end ten years thereafter.

It is hereby mutually covenanted and agreed by and between Landlord and Tenant that this lease is made upon the foregoing and upon the following terms, covenants and conditions, and Landlord and Tenant hereby mutually covenant and agree to perform each and every one of the terms, covenants and conditions of this lease and of all Schedules and riders hereto annexed on their respective parts to be performed:

1. RENT: Tenant shall pay to Landlord at Landlord's office in the City of San Juan, Puerto Rico or at such other place or places as Landlord may from time to time designate, fixed rent at the rate of -------- See Article 39-H per annum, hereinafter called "rent", which said rent shall be paid by Tenant in lawful money of the United States, in equal monthly installments in advance, on the first day of each and every month in each and every year during the term hereof, without any set-off or deduction whatsoever and without any prior demand therefor, the first installment to be paid on See Article 39-H

2. TAXES, ETC.: (a) Tenant shall punctually pay and discharge, as additional rent, all real estate taxes, assessments, water rents, sewer rents, and charges, and governmental impositions, duties and charges of every kind and nature whatsoever, extraordinary as well as ordinary and whether now within the contemplation of the parties or not, and each and every installment of each of them, which shall or may during the terms of this lease be charged, laid, levied, assessed or imposed upon, or become a lien or liens upon the demised premises or any part thereof, or upon any building or appurtenances thereto, or any part thereof, or upon any sidewalks or streets in front of or adjoining the demised premises, or which may become due and payable with respect thereto, and all taxes, charged, laid, levied, assessed or imposed in lieu of or in addition to the foregoing, under or by virtue of any present or future laws, rules, requirements, orders, directions, ordinances or regulations of the

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Commonwealth of Puerto Rico or of any political subdivision thereof or lawful authority whatsoever, and all gas, electricity or other service or services furnished to the demised premises or the occupants thereof during the term hereof. Tenant shall also punctually pay and discharge, as additional rent, all taxes and assessments which shall or may during the term of this lease be charged, laid, levied, assessed or imposed upon, or become a lien upon the personal property of Landlord or Tenant in the operation of the premises or in connection with Tenant's business conducted on the premises. Tenant shall be deemed to have complied with the foregoing covenants of this Article 2 if payment of any such taxes, assessment, water rents and charges, or other governmental impositions, duties and charges is made by Tenant within the period during which payment is permitted without penalty or interest, and Tenant shall within thirty (30) days thereafter produce and exhibit to Landlord satisfactory evidence of such payment.

(b) All real estate taxes which shall become payable for the first and last tax years of the term hereof shall be apportioned pro rata between Landlord and Tenant in accordance with the respective number of months during which each party shall be in possession of the demised premises in said respective tax years. The provisions of Article 2 hereof shall not be interpreted as negating any real and personal property tax exemption granted to Tenant by the Commonwealth of Puerto Rico so long as such grant remains in full force and effect. If the premises are sold to a Landlord subject to taxation, such Landlord will use its best efforts to obtain or cause to be obtained and to maintain, in full force and effect, an exemption, if and to the extent available, from real estate taxes upon the demised premises, and Tenant agrees to cooperate with Landlord in such proceedings and to join therein if requested by Landlord. Tenant is authorized to take proceedings in the name of the proper party or parties, including Landlord, to obtain and to maintain or cause to be obtained and to be maintained, in full force and effect, such an exemption.

REVIEW OF ASSESSMENTS: (c) Tenant shall have the right to contest or review by legal proceedings or in such other manner as may be legal (which, if instituted, shall be conducted promptly at Tenant's own expenses and free of all expense to Landlord), any tax, assessments, water rent or charge, or other governmental imposition aforementioned, upon condition that, before instituting any such proceedings, Tenant shall pay (under protest), such tax, assessment, water charge or other governmental imposition, duties and charges aforementioned or furnish to Landlord, or to any mortgagee Landlord may designate, a surety company performance bond in a company acceptable to Landlord and such mortgagee or other security reasonably satisfactory to Landlord and such mortgagee, sufficient to cover the amount of the contested item or items, with interest for the period which such proceedings may reasonably be expected to take, and costs, securing the payment of such contested item or items and all interest and costs in connection therewith when finally determined. Notwithstanding the furnishing of any such bond or security, Tenant shall pay all such items at least ninety (90) days before the time when the demised premises or any part thereof might be forfeited. The legal proceedings herein referred to shall include appropriate certiorari proceedings and appeals from any orders or judgments therein, but all such proceedings shall be begun as soon as reasonably possible after the imposition or assessment of any contested items and shall be prosecuted to final adjudication with reasonable dispatch. In the event of any reduction, cancellation or discharge, Tenant shall pay the amount that shall be finally levied or assessed against the demised premises or personal property or adjudicated to be due and payable and if there shall be any refund payable by the governmental authority with respect thereto Tenant shall be entitled to receive and retain the same, subject, however, to apportionment as provided in Article 2(b) hereof during the first and last years of the term.

(d) Landlord at Landlord's option may, but shall not be obligated to, contest or review by legal proceedings, or in such manner as may be legal, and at Landlord's own expenses, any tax, assessment, water rent or charge, or other governmental imposition aforementioned, which shall not be contested or reviewed, as aforesaid, by Tenant and unless Tenant shall promptly join with Landlord in such contest or review, Landlord shall be entitled to receive and retain any refund payable by the governmental authority with respect thereto.

3. ASSIGNMENT: Neither Tenant, nor Tenant's legal representatives or successors in interest by operation of law or otherwise, shall assign, mortgage or encumber this lease, or sublet the whole or any part of the demised premises, without the prior written consent of Landlord in each instance. No assignment or sublease of the whole or any part of the demised premises by Tenant shall in any way affect or reduce any of the obligations of Tenant under this lease, but this lease shall continue in full force and effect. If this lease be assigned, or if the demised premises or any part thereof be sublet or occupied by anybody other than Tenant, Landlord may, after default by Tenant, collect rent from the assignee, subtenant or occupant, and apply the net amount collected to the rent herein reserved, but no such assignment, subletting, occupancy or collection shall be deemed a waiver of this covenant, or the acceptance of the assignee, subtenant or occupant as tenant, or a release of Tenant from the further performance by Tenant of the terms, covenants and conditions of this lease on the part of Tenant to be performed. Any violation of any provision of this lease, whether by act or omission, by any assignee, subtenant or occupant, shall be deemed a violation of such provision by Tenant, it being the intention and meaning of the parties hereto that Tenant shall assume and be liable to Landlord for any and all acts and omissions of any and all assignees, subtenants, and occupants. The consent by Landlord to an assignment, encumbrance or subletting shall not be construed in any wise to relieve Tenant from obtaining the express consent in writing of Landlord to any further assignment, encumbrance or subletting. Notwithstanding anything herein contained to the contrary, Tenant may, without the consent of Landlord assign this lease or sublet the whole or any part of the demised

premises to any wholly owned subsidiary of the Tenant, or to the parent of the Tenant, or to any wholly owned subsidiary of any of the aforementioned; a subsidiary shall be deemed wholly owned notwithstanding the issuance of directors qualifying shares; provided that no such assignment or subletting shall release the Tenant from liability under this lease.

4. ALTERATIONS: (a) Tenant may make alterations, changes, additions and improvements to any building now or hereafter erected on the demised premises, provided:

(1) That the same shall not lessen the value of said building as it is at the commencement of such work or change the purposes for which said building may be used;

(2) That the same shall be made in accordance with plans and specifications therefor. Such plans and specifications shall first be submitted to and approved in writing by Landlord;

(3) That before commencing any such work said plans and specifications shall be filed with and approved by all municipal or other governmental departments or authorities having jurisdiction thereof, and the written consent of any mortgagee having any interest in or lien upon the demised premises shall be procured by Tenant and delivered to Landlord if required by the terms of the mortgage;

(4) That before commencing any such work, Tenant shall at Tenant's own cost and expense, deliver to Landlord a general accident and public liability policy more particularly described in article 6 (a) (2) hereof, but said policy shall recite and refer to such work, and in addition thereto, if the estimated cost of such work is more than FIVE HUNDRED---------- Dollars ($500.00), Tenant shall, at Tenant's own cost and expense, deliver to Landlord a surety company performance bond in a company acceptable to Landlord, or a similar bond or other security satisfactory to Landlord, in an amount equal to the estimated cost of such work, guaranteeing the completion of such work within a reasonable time, due regard being had to conditions, free and clear of all liens, encumbrances, chattel mortgages and conditional bills of sale and in accordance with said plans and specifications submitted to and approved by Landlord in writing; and

(5) That Tenant shall pay the increased premium, if any, charged by the insurance companies carrying insurance policies on said building, to cover the additional risk during the course of such work.

(b) All such alterations, changes, additions and improvements made by Tenant shall be and become the property of Landlord.

(c) All the machinery and equipment, if any, and all appurtenances thereto installed, or affixed on or to the demised premises, or any part thereof, by any person other than Tenant at the commencement of the term hereof, are and shall be deemed to be the property of Landlord, and any machinery and equipment and appurtenances thereto that may be installed or affixed on or to the demised premises, or any part thereof, by Tenant, shall not be and become part of the realty and shall be immediately removed by Tenant together with the movable furniture and movable trade fixtures of Tenant, at the termination of this lease, any damage to the premises in the course of such removal to be repaired by Tenant at Tenant's own cost and expense. Nothing contained in this lease shall be interpreted to deny to Landlord the right to seek satisfaction against any assets of Tenant in any action, claim or demand of Landlord against Tenant.

(d) Except as provided in this article 4, no building or improvements now or hereafter erected upon the premises, or any part thereof, shall be demolished, altered, added to or changed without the prior written consents of Landlord and any mortgagee.

5. REPAIRS: Tenant shall, at Tenant's own cost and expense, put, keep and maintain in thorough repair and good order and safe condition the building and improvements standing upon the demised premises at the commencement of the term hereof or thereafter erected upon the demised premises, or forming part of the demised premises, and their full equipment and appurtenances, and each and every part thereof, both inside and outside, extraordinary and ordinary, and shall repair the whole and each and every part thereof in order to keep the same at all times during the term hereof in thorough repair and good order and safe condition, whenever the necessity or desirability therefor may occur, and whether or not the same shall occur, in whole or in part, by wear, tear, obsolescence or defects, and shall use all reasonable precaution to prevent waste, damage or injury. Tenant shall also, at Tenant's own cost and expense, put, keep and maintain in thorough repair and good order and safe condition, and free from dirt, rubbish and other obstructions or encumbrances, the sidewalks, areas, sidewalk hoists, railings, gutters, curbs and the like in front of and adjacent to the demised premises. However, the Landlord and not the Tenant, shall be responsible for and shall promptly correct any defects in the buildings and improvements on the demised premises which are due to faulty design, or to errors of construction not apparent at the time the demised premises were inspected by Tenant for purposes of occupancy by Tenant; this shall not be interpreted to relieve Tenant of any responsibility or liability herein otherwise provided, including, among others, for structural failure due to the fault or negligence of Tenant.

In addition to the foregoing, Tenant shall indemnify and save harmless Landlord from and against any and all costs, expenses, claims, losses, damages, fines, or penalties, including reasonable counsel fees, because of or due to Tenant's failure to comply with the foregoing, and Tenant shall not call upon Landlord for any disbursement or outlay of money whatsoever, and hereby expressly releases and discharges Landlord of and from any liability or responsibility whatsoever in connection therewith.

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Although it is not intended that Tenant shall be responsible for any decrease in value of the demised premises due to the mere passing of time, or for ordinary wear and tear of surfaces and other structural members of the building, nevertheless Tenant shall:

(a) replace, among others, doors, windows, electrical, sanitary, plumbing, other fixtures, building equipment and/or facilities in the demised premises which through Tenant's use, fault or negligence, become too worn out to repair during the life of this lease,

(b) paint the property inside and outside as required, and

(c) correct roof leaks,

(1) not due to faulty construction or structural failure

(2) which otherwise are customarily to be expected, or

(3) which are due to the fault or negligence of Tenant.

The Landlord agrees to repair and correct with reasonable promptness any defects in the demised premises latent at the time of occupancy by Tenant.

MECHANICS LIEN: Tenant shall have no power to do any act or make any contract which may create or be the foundation for any lien, mortgage or other encumbrance upon the reversion or other estate of Landlord, or of any interest of Landlord in the demised premises, or upon or in the building or improvements thereon; it being agreed that should Tenant cause any alterations, changes, additions, improvements or repairs to be made to the demised premises, or material furnished or labor performed therein or thereon, neither Landlord nor the demised premises shall, under any circumstances, be liable for the payment of any expense incurred or for the value of any work done or material furnished to the demised premises or any part thereof; but all such alterations, changes, additions, improvements and repairs, and materials and labor shall be at Tenant's expense and Tenant shall be solely and wholly responsible to contractors, laborers and materialmen furnishing labor and material to said premises and building or any part thereof.

If, because of any act or omission of Tenant, any mechanic's or other lien or order for the payment of money shall be filed against the demised premises or any building or improvement thereon, or against Landlord (whether or not such lien or order is valid or enforceable as such), Tenant shall, at Tenant's own cost and expense, cause the same to be cancelled and discharged of record or bonded within twenty (20) days after the date of filing thereof, and further shall indemnify and save harmless Landlord from and against any and all costs, expenses, claims, losses or damages, including reasonable counsel fees, resulting therefrom or by reason thereof.

6. **INSURANCE:** (a) During the term hereof Tenant shall at Tenant's own cost and expense:

(1) **CUSTOMARY RISKS:** Keep the building standing upon the demised premises at the commencement of the term hereof or thereafter erected upon the demised premises, including all equipment in or appurtenant to the demised premises and all alterations, changes, additions and improvements, insured for the benefit of Landlord against such risks for which insurance is obtainable in Puerto Rico, including, among others, fire (with extended coverage), and war damage if obtainable (during a period of war only), hurricane, earthquake and boiler (if any) in an amount at least equal to the following:

(a) Fire (with ECE) 80% of insurable value exclusive of foundations

~~(b) Hurricane 50% of insurable value exclusive of foundations~~

(c) Earthquake 50% of insurable value including foundations

(d) Boiler (if any) 100% of insurable value

all policies of which shall provide that loss, if any, payable thereunder shall be payable to Landlord, or at Landlord's request to Landlord and/or any mortgagee, as their respective interests may appear, and all such policies with evidence by stamping or otherwise of the payment of the premiums thereon shall be delivered to and held by Landlord or any such mortgagee, as the case may be. All said policies shall be taken in such responsible companies authorized to do business in Puerto Rico as Landlord and any mortgagee shall approve and in a form satisfactory to Landlord. If at any time there is a dispute as to the amount of such insurance that should be carried, the dispute shall be settled by arbitration as provided in article 18 hereof.

(2) **PUBLIC LIABILITY:** Provide and keep in force, for the benefit of Landlord general accident, public liability, insurance fully protecting Landlord against any and all liability occasioned by accident or disaster, in the amount of twenty-five thousand dollars ($25,000) in respect of injuries to any one person, and in the amount of fifty thousand dollars ($50,000.00) in respect to any one accident or disaster, and such accident and liability insurance shall cover the entire building and premises as well as the sidewalks in front of and adjacent to the demised premises. Policies covering Landlord and Tenant, as their respective interests may appear, but otherwise in the form herein provided, shall be deemed to be in compliance with the provisions of this covenant. All said policies shall be obtained by Tenant and certificates thereof delivered to Landlord upon the commencement of the term hereof with evidence by stamping or otherwise of the payment of the premiums thereon, and shall be taken in such responsible companies authorized to do business in Puerto Rico as Landlord shall approve and in a form satisfactory to Landlord.

(b) Upon the commencement of the term hereof Tenant shall pay to Landlord the apportioned unearned premiums on all such policies of insurance then carried by Landlord in respect of the premises in the event Tenant continues with the insurance policies placed by Landlord.

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RENEWAL POLICIES: (c) Thirty (30) days prior to the expiration of any policy or policies of such insurance, Tenant shall pay the premium for renewal insurance and deliver to Landlord or to any mortgagee Landlord may designate within said period of time, the original renewal policies with evidence by stamping or otherwise of the payment of premiums thereon, except that certificates instead of the original renewal policies with respect to the insurance referred to in subdivision (a) (2) of this article 6 shall be delivered by Tenant; and if such premiums or any of them shall not be so paid and the policies or certificates shall not be so delivered Landlord may procure and/or pay for the same, and the amount so paid by Landlord, with interest thereon at the rate of seven per cent (7%) per annum from the date of payment, shall become due and payable by Tenant as additional rent with the next or any subsequent installment of fixed rent which shall become due after such payment by Landlord; it being expressly covenanted that payment by Landlord of any such premium shall not be deemed to waive or release the default in the payment thereof by Tenant, or the right of Landlord to take such action as may be permissible hereunder as in the case of default in the payment of fixed rent.

(d) Tenant shall not violate or permit to be violated any of the conditions or provisions of any of said policies, and Tenant shall so perform and satisfy the requirements of the companies writing such policies that at all times companies of good standing and acceptable to Landlord shall be willing to write and continue such insurance.

(e) Tenant shall cooperate with Landlord and any mortgagee in connection with the collection of any insurance moneys that may be due in the event of loss and shall execute and deliver to Landlord and any mortgagee such proofs of loss and other instruments that may be required for the purpose of facilitating the recovery of any such insurance moneys, and in the event that Tenant shall fail or neglect so to cooperate or to execute, acknowledge and deliver any such instrument, Landlord, in addition to any other remedies, may, as the agent or attorney-in-fact of Tenant, execute and deliver any proofs of loss or any other instruments as may seem desirable to Landlord and any mortgagee for the collection of such insurance moneys, and Tenant hereby irrevocably nominates, constitutes and appoints Landlord Tenant's proper and legal attorney-in-fact for such purpose, hereby ratifying all that Landlord may do as such attorney-in-fact of Tenant. Tenant shall not be liable to any insurance carrier, for any loss or damage whatever resulting from fire or other casualty insured against, regardless of the negligence of Tenant, its agents, employees, guests, subtenants or licensees. This shall not be interpreted as any waiver of the obligations of Tenant under Article 6 hereof or exclusively in favor of Landlord under Article 8 hereof.

DEPOSIT OF ORIGINAL POLICIES: All original policies (or certificates relating thereto where the coverage is made under a blanket policy covering several plants of the parent or other affiliated companies) covering the insurance coverages hereinbefore provided shall be kept in deposit by Tenant with Landlord during the life of this lease. Such deposit may be made by instructing the corresponding insurance companies to deliver such policies directly to Landlord, or by Tenant making such deposit promptly after it receives said policies from the insurance companies. Landlord reserves the right not to deliver possession of the demised premises to Tenant, unless, and until two days after such original policies, in terms and conditions satisfactory to Landlord, have been deposited with the latter. Provided, however, that such non-delivery of possession shall not postpone or otherwise affect the effective date of this lease, the maturity of rent payments, the time for performance or any other obligation of Tenant hereunder, and the exercise by Landlord of any of the rights granted or otherwise available to it under this lease.

7. DAMAGE TO PERSON OR PROPERTY: Landlord shall not in any event whatsoever be liable for any injury or damage to any person happening on or about the demised premises, or for any injury or damage to the demised premises, or to any property of Tenant, or to any property of any other person, firm, association or corporation on or about the demised premises, except when caused by the negligence of the Landlord, its authorized agents or servants. Tenant shall indemnify and save harmless Landlord from and against any and all liability and damages, and from and against any and all suits, claims, and demands of every kind and nature, including reasonable counsel fees, by or on behalf of any person, firm, association or corporation, arising out of or based upon any accident, injury or damage, however occurring, which shall or may happen on or about the demised premises, or in or about the vaults, streets, sidewalks or curbs in front of or adjacent thereto, and from and against any matter or thing growing out of the condition, maintenance, repair, alteration, use, occupation, or operation of the demised premises, or of the vaults, streets, sidewalks or curbs in front of or adjacent thereto.

8. RESTORATION OF DAMAGE OR DESTRUCTION BY FIRE OR OTHER HAZARDS:

(a) If the demised premises or any building or improvements standing or erected thereon shall be destroyed, in whole or in part, by any insurable risk, Tenant shall give immediate notice thereof to Landlord and the latter shall proceed with due diligence to obtain the corresponding insurance adjustment of the loss and shall thereafter promptly proceed to prepare plans and specifications for, and to repair, replace and rebuild, the same, at least to the extent of the proceeds of such insurance adjustment.

(b) In the event the proceeds of such insurance are estimated not to cover the desired work of restoration, the Landlord shall give notice thereof by registered mail to the Tenant. Within 10 days thereafter, either of the parties hereto may terminate this lease by giving 30 days' written notice thereof by registered mail to the other party. In such event, both parties shall be fully released from their respective obligations and liability hereunder, except those incurred, due, and not otherwise performed or fully discharged up to, the date of such notice.

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(c) The option to terminate provided in Article 8 (b) hereof shall be inoperative whenever either party hereto notifies the other within the 30-day term provided in said Article 8 (b) hereof that it undertakes to assume full liability for and to pay the difference between the proceeds of insurance and the full cost of any such restoration. In the event the Landlord gives such notice, it shall promptly proceed with the restoration as provided in Article 8 (a) hereof. If the Tenant gives such notice, it shall either pay the Landlord the cost of the restoration or shall promptly proceed to make such restoration, in accordance with the procedure provided for either case in Article 8 (d) hereof. In the event the demised premises at that time are owned by a person other than the Puerto Rico Industrial Development Company or other agency or instrumentality of the Commonwealth of Puerto Rico, the amount of such difference shall be deposited in a bank account in escrow, to be available for the purposes hereinbefore stipulated, either by the owner of the demised premises or the Tenant, as the case may be.

(d) In the event the loss is due to the fault or negligence or any default hereunder of Tenant, Tenant shall be liable, except to the extent such loss is covered by insurance, for the cost of any such restoration and, in such event, it may either proceed promptly to pay in cash to the Landlord the cost thereof actually incurred by the Landlord (of which the amount of an estimate thereof shall be paid by Tenant to the Landlord prior to commencement of the restoration work and the balance up to the actual cost shall be paid upon completion of such work) or the Tenant may promptly proceed to make such repair, replacement or rebuilding in which event it shall first prepare plans and specifications therefor which shall be submitted to the prior approval of the Landlord, shall obtain all necessary permits for such construction, shall maintain the construction covered with public liability insurance described in Article 6 (a)(2) hereof and shall provide 100% performance bond and 50% payment bond with responsible surety company doing business in Puerto Rico guaranteeing the completion of such work within a reasonable time, free and clear of all liens, encumbrances, chattel mortgages and conditional bills of sale and in accordance with the plans and specifications approved by the Landlord.

(e) Except as provided in subdivision (b) of this Article 8, this lease shall not terminate or be affected in any manner by reason of the destruction or damage in whole or in part of the demised premises or any building or improvements now or hereafter standing or erected thereon, or by reason of the untenantability of the demised premises or any such building or improvements, or by reason of any clause whatsoever, and the rent reserved in this lease as well as all other charges payable hereunder shall be paid by Tenant in accordance with the terms, covenants and conditions of this lease, without abatement, diminution or reduction. In the event of damage to the building in the demised premises caused by fire, earthquake, hurricane or any other emergency, Tenant may, in order to protect its assets in the demised premises, take such temporary measures as are deemed necessary provided same do not impede or otherwise adversely affect the corresponding insurance adjustment, Tenant will pay to Landlord any increase in the cost of restorations caused by such temporary measures.

9. NO ABATEMENT: No abatement, diminution or reduction of the rent, or other charges, payable by Tenant under this lease, shall be claimed by or allowed to Tenant for any inconvenience, interruption, cessation or loss of business or otherwise, caused, directly or indirectly, by any event to which business operations may be normally affected, or by priorities, rationing or curtailment of labor or materials, or by war or any matter or thing resulting therefrom, or by any other cause or causes beyond the control of Landlord, nor shall this lease be affected by any such causes.

10. INSPECTION: Tenant shall permit Landlord or Landlord's agents to enter the demised premises at all reasonable hours for the purpose of inspecting the same, or of making repairs that Tenant may neglect or refuse to make in accordance with the terms, covenants and conditions of this lease, and also for the purpose of showing the demised premises to persons wishing to purchase the same, and during the year next preceding the expiration of this lease shall permit inspection thereof or on behalf of prospective tenants. If, at reasonable hours, admission to the premises for the purposes aforesaid cannot be obtained, or if at any time an entry shall be deemed necessary for the inspection or protection of the property, or for making any repairs, whether for the benefit of Tenant or Landlord, Landlord's agents or representatives may enter the demised premises by force, or otherwise, without rendering Landlord, or Landlord's agents or representatives liable to any claim or cause of action or damage by reason thereof, and accomplish such purpose.

The provisions contained in this article are not to be construed as an increase of Landlord's obligations under this lease; it being expressly agreed that the right and authority hereby reserved does not impose, nor does Landlord assume, by reason thereof, any responsibility or liability whatsoever for the repair, care or supervision of the demised premises, or any building, equipment or appurtenance on the demised premises.

11. BANKRUPTCY: If prior to or any time during the term hereof Tenant shall file in any court pursuant to any statute either of the United States or any state, a petition in bankruptcy or insolvency or for reorganization or for an arrangement or for a composition or for the appointment of a receiver or trustee of Tenant or its property, and shall not be dismissed within thirty (30) days after filing thereof, or if any such petition shall be filed against Tenant and shall not be duly dismissed within ninety (90) days after the filing thereof, or if Tenant shall dissolve or liquidate, or if the business or property of Tenant shall be taken by any governmental officer or agent pursuant to statutory authority for the dissolution or liquidation of Tenant, and such business or property is not released back to Tenant within ninety (90) days after such taking, or if Tenant shall make an assignment for the benefit of creditors, any such event shall be a default by Tenant and a breach of this lease, and Landlord at Landlord's option may give Tenant or any such trustee, receiver, officer, agent or assignee, within a reasonable time after notice of the happening of any one or more of such events, a notice in writing

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stating that this lease and the term hereby granted shall cease and expire on a date not less than ten (10) days after the date of the giving of such notice; and upon the expiration of the time fixed by such notice the term hereby granted shall wholly cease and expire in the same manner and with the same effect as if the date fixed by such notice were the date herein originally fixed for the termination hereof, and Landlord shall thereupon be entitled to the immediate possession of the demised premises and may institute summary proceedings against Tenant or may take any other suitable proceeding or action to obtain possession thereof. Tenant covenants that Landlord shall immediately and *ipso facto* upon any such default and breach be entitled to recover from Tenant, and Tenant shall pay to Landlord, as liquidated damages for such default and breach, in addition to any unpaid rent or additional rent accrued to such date, an amount equal to the rent reserved in this lease from the date of such default and breach to the date of expiration of the original term hereby granted. Nothing herein contained shall limit or prejudice the right of Landlord to prove and obtain as liquidated damages by reason of any such default and breach, or termination, an amount equal to the maximum allowed by any statute or rule of law in effect at the time when, and governing the proceedings in which, such damages are to be proved, whether or not such amount be greater, equal to, or less than the amount of the difference hereinabove referred to.

12. DEFAULTS, REMEDIES: (a) Anything to the contrary notwithstanding, if Tenant shall fail to pay to Landlord any installment of rent, or any additional rent or other charges as and when the same shall become due and payable, and such default shall continue for a period of ten (10) days after notice, or if Tenant shall default in the performance of any of the other terms, covenants or conditions of this lease or any schedules or riders hereto annexed, and such default shall continue for a period of ten (10) days after notice, or if any execution or attachment shall be issued against Tenant or any of Tenant's property whereby the demised premises shall be taken or occupied or attempted to be taken or occupied by someone other than Tenant, and such execution or attachment is not vacated or bonded within thirty (30) days after the levy thereof, or if Tenant shall fail to take possession of the demised premises within ten (10) days after the commencement of the term of this lease, or if Tenant shall vacate and abandon the demised premises, or if this lease or the estate of Tenant hereunder shall be transferred or pass to or devolve upon any other person, firm or corporation, except in the manner provided in this lease, or if Tenant shall assign, mortgage or encumber this lease, or sublet the whole or any part of the demised premises, without the prior written consent of Landlord, except as otherwise herein provided, Landlord shall have the right, at Landlord's option, to terminate this lease and the term hereof, as well as all the right, title and interest of Tenant hereunder, by giving Tenant five (5) days' notice in writing of such intention, and upon the expiration of the time fixed in such latter notice, if such default be not cured prior thereto, this lease and the term hereof, as well as all the right, title and interest of Tenant hereunder, shall wholly cease and expire in the same manner and with the same force and effect (except as to Tenant's liability) as if the date fixed by such latter notice were the expiration of the term herein originally granted; and Tenant shall immediately quit and surrender to Landlord the demised premises and each and every part thereof and Landlord may enter into or repossess the demised premises, either by force, summary proceedings or otherwise. The right granted to Landlord in this article or any other article of this lease to terminate this lease shall apply to any extension or renewal of the term hereby granted, and the exercise of any such right by Landlord during the term hereby granted shall terminate any extension or renewal of the term hereby granted and any right on the part of Tenant thereto.

(b) If the demised premises shall be vacated or abandoned or should Tenant start to dissolve or liquidate its operation in the demised premises, or in the event of a cancellation or termination hereof either by operation of law or by the issuance of a dispossess warrant or by the service of a notice of termination as above provided, or otherwise, for any cause or causes whatsoever, Tenant shall, nevertheless, remain and continue liable to Landlord in a sum equal to all rent and all additional rent herein reserved for the balance of the term herein originally granted; and Landlord may re-enter the demised premises, using such force for that purpose as may be necessary without being liable to any prosecution for said re-entry or the use of such force, and Landlord may repair or alter the demised premises in such manner as to Landlord may seem necessary or advisable, and/or let or relet the demised premises or any and all parts thereof or the whole or any part of the remainder of the original term hereof or for a longer period, in Landlord's name, or as the agent of Tenant, and, out of any rent so collected or received, Landlord shall first pay to itself the expense and cost of retaking, repossessing, repairing and/or altering the demised premises and the expense of removing all persons and property therefrom, and second pay to itself any cost or expense sustained in securing any new tenant or tenants, and third pay to itself any balance remaining on account of the liability of Tenant to Landlord for the sum equal to the rents reserved herein and then unpaid by Tenant for the remainder of the term originally herein demised. Any entry or re-entry by Landlord, whether had or taken under summary proceedings or otherwise, shall not absolve or discharge Tenant from liability hereunder.

(c) Should any rent so collected by Landlord after the payments aforesaid be insufficient fully to pay to Landlord a sum equal to all rent and additional rent herein reserved, the balance or deficiency shall be paid by Tenant on the rent days above specified, that is, upon each of such rent days Tenant shall pay to Landlord the amount of the deficiency then existing; and Tenant shall be and remain liable for any such deficiency, and the right of Landlord to recover from Tenant the amount thereof, or a sum equal to the amount of all rent and additional rent herein reserved, if there shall be no reletting, shall survive the issuance of any dispossess warrant or other termination hereof; and Tenant hereby expressly waives any defense that might be predicated upon the issuance of such dispossess warrant or other termination or cancellation of the term hereof.

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(d) Suit or suits for the recovery of any such deficiency or damages, or for a sum equal to any installment or installments of rent or additional rent payable hereunder, may be brought by Landlord, from time to time at Landlord's election, and nothing herein contained shall be deemed to require Landlord to await the date whereon this lease or the term hereof would have expired by limitation had there been no such default by Tenant or no such termination or cancellation.

(e) Tenant hereby expressly waives service of any notice of intention to re-enter. Tenant hereby waives any and all right to recover or regain possession of the demised premises or to reinstate or to redeem this lease as permitted or provided by or under any statute, law or decision now or hereafter in force and effect.

(f) No default hereunder shall exist while Tenant, after notice and within the term herein provided, has started work, and so notified the Landlord, to cure any default but, because of the nature of the work, is unable to complete it within such term but is prosecuting the work to completion with due diligence and without interruption.

13. ADDITIONAL REMEDIES: (a) In the event of a breach or a threatened breach by Tenant of any of the terms, covenants or conditions hereof, Landlord shall have the right of injunction to restrain the same and the right to invoke any remedy allowed by law or in equity, as if specific remedies, indemnity or reimbursement were not herein provided for.

(b) The rights and remedies given to Landlord in this lease are distinct, separate and cumulative remedies, and no one of them whether or not exercised by Landlord, shall be deemed to be in exclusion of any of the others herein or by law or equity provided.

(c) In all cases hereunder, and in any suit, action or proceeding of any kind between the parties, it shall be presumptive evidence of the fact of the existence of a charge being due, if Landlord shall produce a bill, notice or certificate of any public official entitled to give such bill, notice or certificate to the effect that such charge appears of record on the books in his office and has not been paid.

(d) The receipt of rent by Landlord, with knowledge of any breach of this lease by Tenant or of any default on the part of Tenant in the observance or performance of any of the terms, covenants or conditions of this lease, shall not be deemed to be a waiver of any provision of this lease.

(e) No receipt of moneys by Landlord from Tenant after the termination or cancellation hereof in any lawful manner shall reinstate, continue or extend the term hereof, or affect any notice theretofore given to Tenant, or operate as a waiver of the right of Landlord to enforce the payment of rent or additional rent or other charges then due or thereafter falling due, or operate as a waiver of the right of Landlord to recover possession of the demised premises by proper suit, action, proceedings or remedy; it being agreed that, after the service of notice to terminate or cancel this lease, and the expiration of the time therein specified, if the default has not been cured in the meantime, or after the commencement of suit, action or summary proceedings or of any other remedy, or after a final order, warrant or judgment for the possession of the demised premises, Landlord may demand, receive and collect any moneys then due, or thereafter becoming due, without in any manner affecting such notice, proceeding, suit, action, order, warrant or judgment; and any and all such moneys so collected shall be deemed to be payments on account for the use and occupation of the demised premises, or at the election of Landlord, on account of Tenant's liability hereunder. Acceptance of the keys to the premises, or any similar act, by Landlord, or any agent or employee, during the term hereof, shall not be deemed to be an acceptance of a surrender of the demised premises unless Landlord shall consent thereto in writing.

14. SURRENDER AT END OF TERM: On the last day of the term hereof or on the earlier termination thereof, Tenant shall peaceably and quietly leave, surrender and deliver up to Landlord the demised premises, broom-clean, together with the building or any new building and all alterations, changes, additions and improvements which may have been made upon the premises (except movable furniture or movable trade fixtures put in at the expense of Tenant), in thorough repair and good order and safe condition, reasonable wear and tear of walls, floors or other structural portion of the building excepted; provided, however, that this provision shall not be interpreted to relieve Tenant from any liability on account of the failure on its part to have maintained insurance as required by this lease, nor relieve Tenant from its obligation which may have accrued or does accrue relating to repair and/or replacement in the demised premises, pursuant to any other provision of this contract, subject, however, to termination of this lease under article 8 hereof, Tenant, on or before said date, shall remove all of Tenant's personal property from the demised premises, and all property not so moved shall be deemed to have been abandoned and may be appropriated, sold, stored, destroyed or otherwise disposed of by Landlord without notice to Tenant and without obligation to account therefor. Tenant shall pay to Landlord the cost incurred by Landlord in removing, selling, storing, destroying or otherwise disposing of any such personal property. If the demised premises be not so surrendered, Tenant shall make good to Landlord all damage which Landlord shall suffer by reason thereof, and in addition shall indemnify Landlord from and against all claims made by any succeeding Tenant against Landlord, founded upon delay by Landlord in delivering possession of the premises to such succeeding Tenant, so far as such delay is occasioned by the failure of Tenant to surrender the premises.

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15. QUIET ENJOYMENT: Landlord covenants, that if and so long as Tenant pays the rent, and additional rent and other charges reserved by this lease, and performs all the terms, covenants and conditions of this lease on the part of Tenant to be performed, Tenant shall quietly enjoy the demised premises, subject, however, to the terms of this lease, or any defaults, and subject to the provisions of Article 21.

16. NO WAIVER: Any default in the payment of the rent or other charges, or any failure of Landlord to enforce the provisions of this lease upon any default by Tenant shall not be construed as creating a custom of deferring payment or as modifying in any way the terms of this lease or as a waiver of Landlord's right to terminate this lease as herein provided, or otherwise to enforce the provisions hereof for any subsequent default.

17. LAWS APPLICABLE: This agreement shall be governed by and construed in accordance with the laws of, or applicable to, the Commonwealth of Puerto Rico.

18. ARBITRATION: Any dispute or controversy which may arise between the parties hereto in the operation or other performance of the terms or covenants of this contract except with respect to the payment of rent or the defaults referred to in Articles 12 (b) and 33 hereof, or both, may be submitted by either party hereto to arbitratión in accordance with the arbitration laws in force in Puerto Rico.

19. ENTIRE AGREEMENT: This lease contains the entire agreement between the parties and shall not be modified in any manner except by an instrument in writing executed by the parties or their respective successors in interest.

20. NOTICES: All notices, demands and communications hereunder shall be served or given by mail, and if intended for Landlord shall be addressed to Landlord at GPO BOX 2350, San Juan, Puerto Rico 00936 or to such other address as may be requested by Landlord in writing, and if intended for Tenant shall be addressed to Tenant at Mr. Ignacio Rivera, General Electric Company, P.O. Box 5718, San Juan, P.R. 00905 or to such other address as may be requested by Tenant in writing. Any notice given hereunder by mail shall be deemed delivered when deposited in a United States general or branch post office, enclosed in a prepaid wrapper, addressed as above provided. All such notices shall be sent by registered mail return receipt requested.

21. "LANDLORD"-EFFECT OF CONVEYANCE: The word "Landlord", as used herein, means only the owner in fee for the time being of the demised premises, so that, in the event of any sale, conveyance or transfer of title of the demised premises, Landlord shall be and hereby is entirely freed and relieved of all covenants and obligations of Landlord hereunder, whenever Landlord, at the time of any sale, conveyance or transfer of title, obtains an agreement in writing from the purchaser or transferee assuming the performance of all covenants and obligations in this lease contained on the part of Landlord to be performed, which agreement shall expressly provide that the same is for the benefit of the Landlord and Tenant. A duplicate original copy of such agreement should be delivered to Tenant but failure to do so shall impose no liability on Landlord.

22. MARGINAL NOTES: The marginal notes are inserted only as a matter of convenience and for reference and in no way define, limit or describe the scope or intent of this lease nor in any way affect this lease.

23. SUCCESSORS AND ASSIGNS: The terms, covenants and conditions contained in this lease and in any schedules and riders hereto annexed shall bind and inure to the benefit of Landlord and Tenant and their respective successors and, except as otherwise provided herein, their heirs, legal representatives, distributees and assigns.

24. MINIMUM WAGES: Tenant agrees to pay for all work performed by it at the premises the minimum wages prescribed for such operations either by Federal or Commonwealth Laws and abide by and comply with all laws and regulations applicable to the operations of the Tenant in the leased premises and to laborers and their relations to the Tenant; provided, however, that the Tenant shall not be in default hereof whenever it shall in good faith contest by appropriate proceedings the matter or issue which otherwise would constitute cause or basis for such default, or if such default is inadvertent on the part of Tenant and Tenant remedies same and makes the necessary adjustments after notice from Landlord or other governmental agencies or Courts having jurisdiction of the matter.

25. CAPITALIZATION OF TENANT: Tenant agrees to have on the effective date of the term of this lease and shall maintain throughout its term or any extension thereof, a total investment of TWO HUNDRED THOUSAND DOLLARS ($200,000.00) in the form of paid-in capital stock, loans subordinated to any and all obligations of Tenant to Landlord and/or retained earnings.

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the term of Likewise the Tenant agrees to install within six months after the effective date of this lease and maintain during its term or any extension thereof, manufacturing machinery and equipment worth at least TWO HUNDRED THOUSAND DOLLARS ($200,000.00) exclusive of the cost of transportation and installation thereof and of its ordinary depreciation after installation and with a minimum employment for 25 persons all at the same time ; within 12 months from commencemen of operation and 50 persons within 18 months from commencemen of operations.

26. CONSENT OF LANDLORD AND TENANT: Landlord and Tenant agree that the consent on the part of either of them required under any provision of this contract will not be unreasonably withheld.

27. STOPPAGE OF OPERATIONS: It is understood by the parties hereto that this lease is made by the Landlord in furtherance of the industrialization plans of the Commonwealth of Puerto Rico, and it is accordingly understood that the Tenant will use all reasonable efforts while this lease is in effect to maintain in operation upon the demised premises an industrial plant or plants, but nothing contained in this paragraph shall be deemed to require the Tenant to operate such plants otherwise than in accordance with sound principles of business management, or (without limiting the generality of the foregoing) to prevent the Tenant from curtailing production in such plants or from shutting down such plants, or any part thereof, whenever and as often as the Tenant may, in the exercise of sound business judgment, deem such action advisable. However, Tenant shall give to Landlord written notice of any necessary or convenient shut-down of plant in the demised premises or any part thereof, at least seven days prior to the date fixed therefor except in cases of an emergency shut-down, in which case such notice shall be given at the earliest possible moment. No curtailment of operations or shut-down of the plants of the Tenant in accordance with the provisions of this paragraph shall constitute a default under Articles 11, 12 and 13 of this contract which will enable the Landlord to terminate it, unless such plants shall have been shut-down for a period of six (6) consecutive months. A shut-down on account of unforeseeable events or events which although foreseeable could not be prevented, shall not constitute a breach of this agreement. Nothing in this paragraph contained shall relieve the Tenant from the payment of rent during the period of any shut-downs or curtailments of operations

28. DISCLOSURE OF INFORMATION: Tenant agrees to furnish to Landlord within ninety (90) days after the expiration of each fiscal year of Tenant, an annual statement certified by an independent Certified Public Accountant showing as of the end of each such fiscal year:

(1) Tenant's paid-in capital.

(2) Subordinated loans and invested capital requirements as required by Article 25 hereof.

(3) Investment in machinery and its capacity to provide employment.

(4) Any other information as required by this lease.

In the event such statement is not filed with Landlord as herein provided, Landlord may obtain such information from Tenant at Tenant's expense, and for such purpose Tenant shall make available to Landlord's designated representatives its books of accounts and other necessary data and facilities, all of which shall be provided and made available at Tenant's principal office in Puerto Rico.

29. TRANSFER OF PLANT: The Tenant hereby represents and warrants to the Landlord that the establishment of the industrial operations which Tenant contemplates establishing on the demised premises will not cause any decrease in employment by the Tenant or by the parent Company of the Tenant in any industrial operation now conducted by the Tenant and/or the Tenant's parent Company at any locality in continental United States.

30. RECORDING: Either party hereto may elect to record this lease in the Registry of Property. In such event, both parties agree to execute any necessary public deeds or contracts for said purpose. The cost and fees of the execution, copies, recording and cancellation of such deeds shall be borne by the party electing to record.

31. LANDSCAPING: Tenant agrees to introduce and maintain landscaping of the portion of the landsite in front of the buildings herein located and for not more than ten (10) meters in width on each side and in the back of such buildings. Such landscaping shall be understood to include, at least, the planting of appropriate lawns, shrubbery, and trees, so as to beautify the surroundings of the factory premises and make the property attractive to the employees and the public in general, and an asset to the community. For these purposes it is suggested that the Tenant may obtain helpful information from the Experimental Station which is nearest to the factory premises hereunder leased.

32. ADDITIONAL RENT: Landlord shall make no expenditure on behalf of Tenant, of costs and expenditures which Tenant is obligated or is otherwise liable for pursuant to the terms of this contract unless and until Tenant fails to perform any covenant hereunder on its part to be performed which shall involve such expenditure and the appropriate grace period shall have expired; provided that this provision shall not apply to a failure by the Tenant to pay taxes, if any, or insurance premiums, on time, which if not paid by Tenant may be promptly paid by Landlord, as herein provided. Any such expenditures, if and when made by the Landlord, together with interest thereon at the rate of 7% per annum from the date of such expenditure, shall be and be deemed to be additional rent, in addition to the rent provided in Article 1 hereof, and shall be repaid by Tenant to Landlord on demand, but no such expenditure by Landlord shall be deemed a waiver of Tenant's default nor shall it affect any other remedy of Landlord by reason of such default.

GE_CARIBE000848

33. DEFAULT THROUGH ATTEMPT TO REMOVE ASSETS OR TO ABANDON THE PREMISES : Any attempt or other act of Tenant (a) to remove machinery, equipment or other assets from the demised premises or, (b) to abandon the demised premises or, (c) which otherwise are inconsistent or in conflict with the terms of this lease after having breached or failed to perform any term, covenant or condition or obligation imposed on Tenant under this lease, shall constitute a waiver by Tenant of any and all periods of grace provided by Section 12 hereof and shall entitle Landlord to terminate this lease and seek and obtain such other remedies as are provided in Articles 12 and 13 hereof.

34. DEPOSIT : Simultaneously herewith Tenant shall deposit with Landlord the amount of $1,250.00.------- Said amount shall become immediately payable to the Landlord in the event that at any time prior to the start of operations by the Tenant at the demised premises, it abandons its project for reason of its own concern and under its control. However, as soon as Tenant starts operations at the demised premises, the fund in deposit shall be refunded to Tenant less the amount of any obligation owed at that time by Tenant to Landlord and not otherwise provided for.

35. USE PERMIT : It is a condition of this lease that Tenant will prosecute his request for permit to use the demised premises before the Planning Board of Puerto Rico with due diligence and that Landlord will cooperate fully with Tenant in his effort to obtain promptly such Use Permit. Such request shall be made within 5 days after Landlord advises Tenant that the demised premises are ready for Use Permit inspection.

36. SPECIAL PROVISIONS COVERING CONSTRUCTION AND LEASE CASES : Where any building in the demised premises is to be constructed or is under construction by Landlord, the latter shall give to Tenant notice of the date of completion of such construction, which notice shall state that the building and facilities have been completed as stated in this lease in accordance with the plans and specifications and any changes approved by Landlord thereof during construction which do not substantially change the size, basic design and which may affect the use to be made of the premises according to this contract and in compliance with all the laws, orders and regulations of the Commonwealth of Puerto Rico and of all municipalities and other governmental subdivisions, agencies and departments having jurisdiction over the premises. Simultaneously with the giving of such notice, the Landlord shall furnish to the Tenant a construction certificate of the Planning Board certifying that said building and facilities have been completed in accordance to approved plans as amended during construction. The effective date of this lease shall be ten days after Landlord gives Tenant the aforementioned notice of the date of completion of construction; provided, however that this lease shall be subject and conditioned upon Tenant being able to obtain the Use Permit in connection with the demised premises, provided for in Article 35 hereof, within a reasonable time after the effective date hereunder, provided Tenant files a request therefor as prescribed by the regulations in force and prosecutes it to completion with reasonable diligence. Landlord agrees that if feasible it will at least thirty days before completion of the building indicate by preliminary notice to the Tenant the estimated date of completion of the building, but failure of Landlord to give such preliminary notice shall not be deemed a default hereunder.

At any time after the commencement of the term of this lease, each of the parties hereto agree that, at the request of the other, they will execute an agreement setting forth the exact description of the building and the commencement and of the expiration of the term hereof and the exact amount of the monthly rent which shall be accordingly readjusted retroactively to the effective date hereof. This shall in no way delay or otherwise affect the commencement of the term or the payment of rent under this lease.

Tenant shall, upon giving prior written notice to Landlord, have the privilege of entering upon the demised premises for the purpose of inspecting the progress of construction, taking measurements for the installation of its fixtures and equipment, and for the purpose of installing its fixtures, machinery and equipment, provided such activities do not interfere with the progress of construction or otherwise affect performance of the construction contract relative to the demised premises, and the same shall not be deemed occupancy by the Tenant as herein provided. For such purpose Tenant shall request and Landlord shall issue to Tenant a permit for partial occupancy.

37. WARRANTY AS TO USE : The Landlord does hereby warrant that at the time of the commencement of the term of this lease, the premises may be used by the Tenant for manufacturing purposes consistent with its design and construction in accordance with the corresponding plans and specifications.

38. AUTOMATIC RENEWAL : In the event Tenant does not vacate the demised premises in the manner and under the conditions hereinbefore provided, within 90 days after the normal expiration of the term hereof, the Landlord shall have the option to be exercised at any time thereafter, to notify Tenant that the lease herein has been renewed for an additional term of 10 years from the date of the last normal expiration of the term hereof and, in such event, the parties agree that this contract shall be held to have been renewed and to continue in full force and effect for such additional term of 10 years upon the mere mailing of such notice by Landlord to Tenant. This provision shall in no way prejudice, affect or deny any right which Landlord may otherwise have because, or at the time, of any such termination of the term hereof, particularly whenever the Landlord does not exercise such option; it being agreed and understood that such renewal shall be upon the same terms and conditions contained herein except that the rental rate to be charged shall be the rate then currently being charged by Landlord for similar buildings in the area, but in no event shall it be less than the rate herein stipulated.

Renewal

INITIAL HERE

GE_CARIBE000849

39. ADDITIONAL COVENANTS: A. If the Landlord is delayed at any time in the progress of any construction work herein contemplated, by changes required in the work or by strikes, lockouts, fire, unusual delay in transportation, or any other causes beyond the Landlord's control, then the time for completion of any such construction shall be extended for a period of time equal to the number of days of any such delay.

B. The contracting parties hereby submit to the jurisdiction of the courts of Puerto Rico in the municipality of San Juan as regards any claim, action or demand predicated on this contract which either party hereto may decide to file against the other. Similarly, the arbitration provided by Article 18 hereof shall take place in the municipality of San Juan, Puerto Rico, except as the parties may otherwise provide by mutual consent.

C. In the event that Tenant's operations require the construction of a power substation for either primary or secondary service, such construction shall in no event be undertaken by Tenant until after the Landlord has approved, in writing, the location thereof, as well as the routing of the power line extension, taking into consideration the best utilization of the landsite for expansion or other purposes.

It is hereby agreed and understood that once such power substation has been constructed by Tenant, as aforesaid, the same shall not be altered, expanded and/or improved until written approval therefor has first been requested and obtained from the Landlord.

D. Tenant hereby agrees that it will not, during the term of this lease or any renewal thereof, exert any influence, either directly or indirectly upon the employees working on nearby industrial units leased from the Landlord to induce such employees to resign from their employ for the sole purpose and with the specific intent of accepting an employ with Tenant herein; it being agreed and understood, however, that the foregoing provisions are not to be interpreted as denying or curtailing Tenant's right to advertise for work at the then prevailing wage rates in the industry and/or to carry out personal interviews with potential employees.

E. Tenant agrees to abide by and comply with any and all conditions and requisites included in the Use Permit which, under the provisions of Article 35 of the contract, may be issued by the Planning Board of Puerto Rico and, if requested by Landlord, shall submit evidence of such compliance; it being agreed and understood that noncompliance by Tenant with any and all such conditions and requisites and/or the cancellation of the said Use Permit shall, in each of such cases, be deemed an additional event of default under the provisions of the contract.

F. Tenant agrees and undertakes to abide by and comply with any and all rules, regulations and requisites of the Planning Board of Puerto Rico, Department of Health, Environmental Quality Board and/or any other agency, whether local or federal, having jurisdiction thereon applicable to Tenant's operations at the demised premises and/or products to be manufactured thereat, and if requested by Landlord, Tenant shall submit evidence of such compliance; it being agreed and understood that noncompliance with any and all of such rules, regulations and requisites shall be deemed an additional event of default under the provisions of this contract.

Any and all improvements to the demised premises required by the Planning Board of Puerto Rico, Department of Health, Environmental Quality Board and/or any other agency, whether local or federal, having jurisdiction thereon so as to carry Tenant's operations in accordance with the regulations and requisites thereof, shall be at Tenant's own cost and expense.

Tenant further agrees and undertakes to install in the premises, at its own cost and expense, such devices as may be necessary to prevent that any hazards which may be caused or created by its operations may affect or cause any nuisance to adjacent Tenants and/or the community in general; it being agreed and understood that noncompliance with the foregoing provisions, therefore creating or causing any such nuisance, shall be deemed an additional event of default under the provisions of this contract.

Tenant further agrees and undertakes to abide by and comply with any and all rules, regulations and requisites of the Fire Department relative to the use and storage of raw materials, finished products and/or inflammable materials, and/or of any other agency, whether insular or federal, having jurisdiction thereon, applicable to Tenant's operations at the demised premises, and if requested by Landlord, shall submit evidence of such compliance; it being agreed and understood that noncompliance by Tenant with any of the aforementioned rules, regulations and requisites shall be deemed, in each of such cases, an additional event of default under the provisions of this contract.

Upon termination of this lease, whether by expiration of its term or otherwise, such improvements and/or installations shall be removed by Tenant at its own cost and expense or, at Landlord's option, shall be and become the property of the Landlord with no right on the part of the Tenant to be reimbursed and/or compensated therefor.

GE_CARIBE000850

Notwithstanding the foregoing provisions, the construction of any improvements and/or installation of any devices, as aforesaid, shall not be commenced until after written approval of the Landlord therefor shall have been first requested and obtained.

G. Tenant hereby acknowledges having been informed by the Landlord that the building herein demised is in need of certain repairs which Landlord undertakes to commence presently after execution hereof; therefore, the term of the lease hereunder shall, anything to the contrary notwithstanding, commence on the first day of the month following the date in which Landlord notifies Tenant that such repairs have been substantially completed and that the building is ready for delivery to and occupancy by Tenant herein.

H. Rent shall be due and payable on the first day of the month following the term commencement date, which rent shall be computed as follows: 1359.654 SQ FOOT

a) At the rate of $1.25 per sq. ft. of gross building area per annum during the first five years term hereof, and 1199.96

1483

b) at the rate of $1.50 per sq. ft. of gross building area per annum throughout the remainder of the five years term of the lease hereunder. 1439.96

I. Tenant hereby acknowledges that it has been informed by the Landlord that the maximum floor load of the premises herein demised is 150 pounds per sq. ft. therefore, Tenant hereby agrees that in the event the load of the machinery and equipment to be installed thereat exceed such maximum load, it shall, at its own cost and expense, carry out any improvements to the floor of the premises which may be necessary to support such additional load; it being further agreed and understood that construction and/or installation of such improvements shall not be commenced until after Landlord's approval of the plans to be prepared therefor by Tenant and thereafter, after completion of construction and/or installation of said facilities, they shall be deemed covered by and subject to the applicable provisions of this contract; it being further specifically agreed and understood that upon termination of this lease, such facilities shall be removed by Tenant, at its own cost and expense, or in the alternative, and upon request by Landlord, they shall remain as part of the premises with no obligation whatsoever on the part of the Tenant to be reimbursed and/or compensated therefor.

INITIAL HERE

GE_CARIBE000851

J. Tenant agrees, as a condition hereof, that it will not discharge its industrial and/or sanitary effluents, either into the sewer system and/or into any other place until after authorization therefor has been obtained from the Puerto Rico Aqueduct and Sewer Authority, the Department of Health of Puerto Rico and/or any other governmental agency having jurisdiction thereon and Tenant further agrees and undertakes to treat, any such effluent, prior to discharge thereof as required by the said Authority, Department and/or any other governmental agency having jurisdiction thereon and/or to install any equipment or system required, and to fully abide by and comply with any and all requisites imposed thereby; and upon request by Landlord, to submit evidence of such compliance; it being agreed that non-compliance thereof by Tenant shall be deemed an additional event of default under the provisions hereof. Provided, that no construction and/or installation shall be made unless upon Landlord's prior written approval thereof.

K. Anything herein to the contrary notwithstanding, the deposit required herein shall be refunded to Tenant at the end of the fifth year of the term of this lease or when Tenant has fulfilled the employment requirement, whichever date occurs last.

L. This Contract is made and entered into subject to and conditioned upon the endorsement and approval of the Planning Department of the Puerto Rico Industrial Development Company, the Office of Economic Studies of the Economic Development Administration and the Environmental Quality Board of Puerto Rico; provided that such approvals shall be understood to constitute conditions precedent to the obligations of the parties hereto.

M. Tenant hereby acknowledges having been informed by the Landlord that in the industrial park are other industries; therefore Tenant hereby specifically agrees and undertakes to take such steps and install such equipment as may be necessary to prevent that any hazard and/or noise which may be created by its operations may in any way or manner unduly affect the operations and/or products of the other industries and therefore Tenant hereby releases and save harmless Landlord from any and all claims or demands arising therefrom or in connection therewith.

Inasmuch as the intended product to be manufactured at the demised premises may produce hard noises, the continued effectiveness of this Contract, is made subject to and conditioned upon the specific approval by the Environmental Quality Board, and any other agency having jurisdiction thereon, evidence of all approval to be submitted to the Landlord upon request.

INITIAL HERE

DESCRIPTION OF BUILDING NO. 5-302-56
LOCATED AT ARECIBO, PUERTO RICO.

Building:

The building is a pitched roof type consisting of reinforced concrete foundations, columns and girders supporting 30 ft. long steel joists which in turn support pre-cast (Porete) slabs, covered by 1/2" cellotex insulation and a 3-ply built-up roofing. This building has no monitor but roof ventilators are provided.

The structure consists of a main floor 121'- 1 3/8" x 91'-2 2/8" out to out dimensions for an area of 11,044.137 sq. ft. of manufacturing area, an entrance porch 18'-0 3/4" x 7'-8" for an area of 138.480 ft. and a lean-to 31'-3 1/2" x 10'- 9 1/4" for an area of 337.037 sq. ft. to be used for sanitary facilities. This gives a total area of 11,519.654.

The floor consists of a 4" thick reinforced concrete floor slab with a monolithic cement finish on the manufacturing area, stairs, janitor's room, and storage room; quarry tiles on the entrance porch and ceramic tile on the men and ladies toilet rooms.

Exterior walls are of concrete blocks walls plastered and painted on both sides except on the front wall which is of reinforced concrete on the entrance porch with concrete blocks on the rest of front wall which a V-shaped and interior walls at the lean-to which are plastered and painted together with a 5'-11" high sprayed-on glazed wainscoat at the men and ladies toilet rooms.

Ceilings are rubbed and painted throughout the building.

Windows are miami aluminum louvers throughout the building except for pivoted metal sash at the front wall.

INITIAL DATE

Description of Building No. 5-302-56
at Arecibo, Puerto Rico (Cont.)

Doors are plywood panel, except for one flush steel over at the main entrance, a flush steel at the rear entrance, and one metal and glass, double sliding one, at the loading platform.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side eaves is 12'-0" and 14'-9 3/8" at the center of the building.

INITIAL HERE

DESCRIPTION OF LANDSITE FOR PROJECT NO. 5-302-56
AT ARECIBO, PUERTO RICO

LANDSITE:

Parcel of land, lot No. 14, located at Zeno Gandía Industrial Subdivision at Arecibo, Puerto Rico.

It bounds: by the North, with lot No. 13 of the same industrial subdivision; by the South, with State Road No. 129; by the East, with lot No.9 of the same industrial subdivision; and by the West, with lot No. 15 of the same industrial subdivision.

It has a surface area of 6070.1862 square meters, equivalent to 1.5444 cuerdas.

The lot is subject to a 5 ft. wide electric right of way along its Northern boundary in favor of the Puerto Rico Water Resources Authority.

P. Tenant agrees to submit to Landlord within thirty (30) days from the date of execution of this Contract: (a) evidence of its registration in the Department of State of the Commonwealth of Puerto Rico and the name and address of its resident agent; and (b) a certificate of a resolution of its Board of Directors either authorizing or ratifying the execution of this Contract.

IN WITNESS WHEREOF, the parties hereto execute this Contract at San Juan, Puerto Rico, this

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____

GENERAL ELECTRIC GEPOL, INC.

BY: _____

Invoice # 657 1,001.00

NON - HAZARDOUS WASTE TRANSPORTATION/ACCEPTANCE DOCUMENT

DATE 12-18-97.

TO:
PROTECO
Road 385, Km. 3.5
Peñuelas, Puerto Rico
836-2058 / 836-2123

FACILITY PERMIT NO. SRP-93-0002

FROM:
GENERAL ELECTRIC Control
VEGA ALTA

P.O. NO. 17952

No. of Units & Container Type	DESCRIPTION AND CLASSIFICATION OF WASTE MATERIAL	Waste Profile Sheet Code	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
32	PAILAS VACIAS	9818	—	—		
2	EVAPORATOR SLUDGE	9944	55 gal ea.	600 lb.		
12	RAGS ABSORBENT WITH OIL (Oily Debris)	9800	55 gal ea.	600 lb.		
5	COOLANT WITH WATER	9799	55 gal ea	275 gal		
1	WASTE FILTERS	12368	1 Box/bag	1 yd.		
1	Coolant w/ water	9799	30 gal	30 gal		

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U. S. EPA and the Commonwealth of P. R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED	EXPECTED ARRIVAL DATE
Raul R. Vedia	EHS Mgr.	12 18 97 (MO. DAY YR.)	12 18 97 (MO. DAY YR.)
TRANSPORTE SIGNATURE	COMPANY NAME	VEHICLE ID. NO.	DATE RECEIVED
Andres Lozada	U.S.A. WASTE	H-5655	12 18 97 (MO. DAY YR.)
FACILITY SIGNATURE			DATE RECEIVED
#045			12 18 97 (MO. DAY YR.)

Carr. #1, Km. 18.9
Guaynabo, PR 00969
PO Box 594
Caguas, Puerto Rico 00726-0594
Tel. (787) 272-8411
Fax (787) 272-8468

USA WASTE
DE PUERTO RICO

Carretera 835, Km. 4.4
Bo. Tallaboa, Peñuelas, PR 00624
Tels. (787) 836-2058 / 836-2123

INFORME DIARIO DE SERVICIO

017952

A. Información General

Fecha de Servicio: 12/18/97

Orden de Compra: _____

Persona de Contacto _____

Servicio en: VEGA ALTA

Facturar a: GENERAL ELECTRIC ~~PILOTO~~ Control ATTN. Enid Ortiz

B. Transportación y Carga

Equipo Usado

- ☐ Tanque
- ☐ Tumba
- ☐ Furgón
- ☑ Camión de Vacío 1
- ☐ C-30
- ☐ Otro _____

Zona: Norte

Núm. de Viajes: 1

Movilización de Equipo

Sí ☐ No ☐

- ☐ Loader
- ☐ Fork Lift
- ☐ Bulldozer
- ☐ Backhoe
- ☐ Otro

C. Disposición y Tratamiento

Descripción del Desperdicio

VARIOS

(WPS: _____)

- ☐ SOLIDO
- ☐ LIQUIDO
- ☐ SLUDGE
- ☐ ASBESTO

Tratamiento

Sí ☐ No ☐

- ☐ Solidificación
- ☐ Otros _____

Disposición / Unidad

- _____ Yardas
- _____ Galones
- _____ Drones
- _____ Cajas
- _____ Sacos
- _____ Otros

D. Personal

Andrés Lozada

- ☑ Empleado
- ☐ Operador
- ☐ Supervisor
- ☐ Otro

Movilización de Personal

☐ Sí ☐ No

_____ Empleados

Uso de Equipo de Seguridad

- ( ) Nivel A
- ( ) Nivel B
- ( ) Nivel C
- ( ) Nivel D
- ( ) * Vea Adjunto

E. Materiales

F. Observaciones

Horario de Servicio: Entrada 10:00 am/pm Salida 12:30 am/pm

Certifico que los servicios arriba descritos fueron realizados de forma satisfactoria.

Enid Ortiz

(Nombre en letra de molde)

7-18-97

(Fecha)

(Firma del Cliente)

COPIA CLIENTE

#699

Coolant w/water 30gal

1 Box Filters

32 Empty Pails

12/17/97 Pratco

Drum	
# 133	Waste Oily Debris
# 089	Waste Oily Debris
# 160	Waste Oily Debris
# 076	Waste Oily Debris
# 106	Coolant w/water — PH 9
# 157	Coolant w/water - PH 9
# 116	Waste Oily Debris
# 074	Waste Oily Debris
# 045	Waste Oily Debris
# 047	Coolant w/water PH 9
# 038	Coolant w/water PH 9
# 0001	Waste Oily Rags.
# 072	Coolant w/ Water PH 8
# 025	Evaporator Sludge
# 105	Waste Oily Rags.
# 0002	Waste Oily Rags.
# 0003	Evaporator Sludge
# 068	Waste Oily Rags
# 020	Waste Oily Debris

Invoice # 657 1,001.00

NON - HAZARDOUS WASTE TRANSPORTATION/ACCEPTANCE DOCUMENT

DATE 12-18-97.

TO:	FROM:
PROTECO	GENERAL ELECTRIC Control VEGA ALTA
Road 385, Km. 3.5	
Peñuelas, Puerto Rico	
836-2058 / 836-2123 — FACILITY PERMIT NO. SRP-93-0002	P.O. NO. 17952

No. of Units & Container Type	DESCRIPTION AND CLASSIFICATION OF WASTE MATERIAL	Waste Profile Sheet Code	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
32	PAILAS VACIAS	9818	—	—		
2	EVAPORATOR SLUDGE	9944	55 gal ea.	600 lb.		
12	RAGS ABSORBENT WITH OIL (Oily Debris)	9800	55 gal ea.	600 lb.		
5	COOLANT WITH WATER	9799	55 gal ea	275 gal		
1	WASTE FILTERS	12368	1 Box/bag	1 yd.		
1	Coolant w/ water	9799	30 gal	30 gal		

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U. S. EPA and the Commonwealth of P. R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED (MO. DAY YR.)	EXPECTED ARRIVAL DATE (MO. DAY YR.)
Enid M. Ortiz	EHS Mgr.	12 18 97	12 18 97
TRANSPORTE SIGNATURE	**COMPANY NAME**	**VEHICLE ID. NO.**	**DATE RECEIVED (MO. DAY YR.)**
Andrés Lozada	U.S.A. Waste	H-5655	12 18 97
FACILITY SIGNATURE			**DATE RECEIVED (MO. DAY YR.)**
#645			12 18 97

GE_CARIBE000861

Carr. #1, Km. 18.9
Guaynabo, PR 00969
PO Box 71331
San Juan, Puerto Rico 00936-8431
Tel. (787) 272-8411
Fax (787) 272-8468

PROTECO
PROTECCION TECNICA ECOLOGICA
SEGURIDAD Y EFICIENCIA SON NUESTRO COMPROMISO

Carretera 835, Km. 4.4
Bo. Tallaboa, Peñuelas, PR 00624
Tels. (787) 836-2058 / 836-2123

INFORME DIARIO DE SERVICIO

014149

A. Información General

Fecha de Servicio: 8/29/97

Orden de Compra:

Persona de Contacto

Servicio en: VEGA ALTA

Facturar a: GENERAL ELECTRIC CONTROL

B. Transportación y Carga

Equipo Usado

- ☐ Tanque
- ☐ Tumba
- ☐ Furgón
- ☐ Camión de Vacío
- ☐ C-30
- ☐ Otro INT AMARILLO

Zona:

Núm. de Viajes: 1

Movilización de Equipo

Sí ☐ No ☐

- ☐ Loader
- ☐ Fork Lift
- ☐ Bulldozer
- ☐ Backhoe
- ☐ Otro

C. Disposición y Tratamiento

Descripción del Desperdicio

VARIOS

(WPS:)

- ☐ SOLIDO
- ☑ LIQUIDO
- ☐ SLUDGE
- ☐ ASBESTO

Tratamiento

Sí ☐ No ☐

- ☐ Solidificación
- ☐ Otros

(vacío)
(vacío)

Disposición / Unidad

- Yardas
- 220 Galones
- Drones
- Cajas
- Sacos
- Otros

D. Personal

- ☑ Empleado S. QUIÑONES A. CARABALLO
- ☐ Operador
- ☐ Supervisor
- ☐ Otro

Movilización de Personal

☐ Sí ☐ No

Empleados

Uso de Equipo de Seguridad

- ( ) Nivel A
- ( ) Nivel B
- ( ) Nivel C
- ( ) Nivel D
- ( ) * Vea Adjunto

E. Materiales

F. Observaciones

Camión tiene que traer "safety box" para permitir el desprecho.

Horario de Servicio: Entrada 8:00 am/pm Salida 1:30 am/pm

Certifico que los servicios arriba descritos fueron realizados de forma satisfactoria.

Enid Ortiz
(Nombre en letra de molde)

8-29-97
(Fecha)

(Firma del Cliente)

COPIA CLIENTE

568.08

NON - HAZARDOUS WASTE TRANSPORTATION/ACCEPTANCE DOCUMENT

DATE 8-29-97

TO:
PROTECO
Road 385, Km. 3.5
Peñuelas, Puerto Rico
836-2058 / 836-2123

FACILITY PERMIT NO. SRP-93-0002

FROM:
GENERAL ELECTRIC CONTROL
VEGA ALTA

P.O. NO. 14149

No. of Units & Container Type	DESCRIPTION AND CLASSIFICATION OF WASTE MATERIAL	Waste Profile Sheet Code	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1	WASTER WITH COOLANT	9798	55 gal			
1	GREASE WITH WATER	9819	55 gal			
1	COOLANT	12695	55 gal			
1	WATER WITH TRIPPER	12568	55 gal.			
2	EMPTY DRUMS	12188	55 gal.			
22	EMPTY PAILS	12188	5 gal.			

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U. S. EPA and the Commonwealth of P. R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED	EXPECTED ARRIVAL DATE
[signature]	EHS Mgr.	08 29 97 (MO. DAY YR.)	08 29 97 (MO. DAY YR.)
TRANSPORTE SIGNATURE	COMPANY NAME	VEHICLE ID. NO.	DATE RECEIVED
[signature]	USA WASTE	H02712	08 29 97 (MO. DAY YR.)
FACILITY SIGNATURE			DATE RECEIVED
			MO. DAY YR.

Carr. #1, Km. 18.9
Guaynabo, PR 00969
PO Box 71331
San Juan, Puerto Rico 00936-8431
Tel. (787) 272-8411
Fax (787) 272-8468

PROTECO
PROTECCION TECNICA ECOLOGICA
SEGURIDAD Y EFICIENCIA SON NUESTRO COMPROMISO

Carretera 835, Km. 4.4
Bo. Tallaboa, Peñuelas, PR 00624
Tels. (787) 836-2058 / 836-2123

INFORME DIARIO DE SERVICIO

011155

A. Información General

Fecha de Servicio: 03/3/97

Orden de Compra: _____

Persona de Contacto: FELIX SOLLA

Servicio en: VEGA ALTA

Facturar a: GENERAL ELECTRIC-CONTROL

B. Transportación y Carga

Equipo Usado

- ☐ Tanque
- ☐ Tumba
- ☐ Furgón
- ☐ Camión de Vacío
- ☐ C-30 Izuzu
- ☐ Otro _____

Zona: NORTE

Núm. de Viajes: 1

Movilización de Equipo

Sí ☐ No ☐

- ☐ Loader
- ☐ Fork Lift
- ☐ Bulldozer
- ☐ Backhoe
- ☐ Otro

C. Disposición y Tratamiento

Descripción del Desperdicio

WASTE OIL ABSORBENT	9793
RAGS WITH OIL	9800
EVAPORATORS-9944,COOLANT-9799	
WATER WITH GREASE FROM CAFETERIA (WPS: ____)	9795

- ☒ SOLIDO
- ☒ LIQUIDO
- ☐ SLUDGE
- ☐ ASBESTO

Disposición / Unidad

- ____ Yardas
- 450 Galones aprox.
- ____ Drones
- ____ Cajas
- ____ Sacos
- ____ Otros

Tratamiento

Sí ☐ No ☐

- ☒ Solidificación (Líquidos)
- ☐ Otros _____

D. Personal

- ☐ Empleado Juan Ortiz
- ☐ Operador Jesús Condero
- ☐ Supervisor
- ☐ Otro

Movilización de Personal

☐ Sí ☐ No

_____ Empleados

Uso de Equipo de Seguridad

- ( ) Nivel A
- ( ) Nivel B
- ( ) Nivel C
- ( ) Nivel D
- ( ) * Vea Adjunto

E. Materiales

F. Observaciones

Horario de Servicio: Entrada 8:45 am/pm Salida 11:30 am/pm

Certifico que los servicios arriba descritos fueron realizados de forma satisfactoria.

Enid M. Ortiz (Nombre en letra de molde)

03/13/97 (Fecha)

(Firma del Cliente)

COPIA CLIENTE

684.00

NON - HAZARDOUS WASTE TRANSPORTATION/ACCEPTANCE DOCUMENT

DATE 03/13/97

PROTECO

Road 385, Km. 3.5

Peñuelas, Puerto Rico

836-2058 / 836-2123

FACILITY PERMIT NO. SR-0112

FROM:

GENERAL ELECTRIC-CONTROL
VEGA ALTA, P.R.

P.O. NO. 11155

No. of Units & Container Type	DESCRIPTION AND CLASSIFICATION OF WASTE MATERIAL	Waste Profile Sheet Code	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1	WASTE OIL ABSORBENT	9793	55g.			
1	RAGS WITH OIL	9800	55g.			
2	EVAPORATORS (Ourpac)	9944	110g.			
1	WATER WITH COOLANT	9799	55g			
6	WATER WITH GREASE FROM CAFETERIA	9795	180g.			

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U. S. EPA and the Commonwealth of P. R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED (MO. DAY YR.)	EXPECTED ARRIVAL DATE (MO. DAY YR.)
[signature]	EHS	03 13 97	03 13 97
TRANSPORTE SIGNATURE	COMPANY NAME	VEHICLE ID. NO.	DATE RECEIVED (MO. DAY YR.)
[signature]	PROTECO		03 13 97
FACILITY SIGNATURE			DATE RECEIVED (MO. DAY YR.)

822.00

NON - HAZARDOUS WASTE TRANSPORTATION/ACCEPTANCE DOCUMENT

DATE 4/22/97

PROTECO

Road 385, Km. 3.5

Peñuelas, Puerto Rico

836-2058 / 836-2123

FACILITY PERMIT NO. SR-0112

FROM:
GENERAL ELECTRIC ~~PLOTO~~
VEGA ALTA

P.O. NO. 11634

No. of Units & Container Type	DESCRIPTION AND CLASSIFICATION OF WASTE MATERIAL	Waste Profile Sheet Code	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
5	EMPTY DRUMS 55 GALLONS	12188				
1	EMPTY DRUMS 30 GALLONS	12188				
3	OILY RAGS & DEBRIS	9800				
1	ABSORBENT WITH RAW MATERIAL	9794				
3	WASTE OIL	9945				
1	POLYCHEM 2600	9817				
2	EVAPORATOR SLUDGE	9944				
2	COOLANT	9799				
1	OIL GREASE	9795				
2	PAILA DE GRASA	9818				
4	PAILA VACIA	12188				

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U. S. EPA and the Commonwealth of P. R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED	EXPECTED ARRIVAL DATE
[signature]	EHS COORDINATOR	04 22 97 (MO. DAY YR.)	04 22 97 (MO. DAY YR.)
TRANSPORTE SIGNATURE	COMPANY NAME	VEHICLE ID. NO.	DATE RECEIVED
[signature]	Proteco	5685 H	04 22 97 (MO. DAY YR.)
FACILITY SIGNATURE			DATE RECEIVED
			MO. DAY YR.

Carr. #1, Km. 18.9
Guaynabo, PR 00969
PO Box 71331
San Juan, Puerto Rico 00936-8431
Tel. (787) 272-8411
Fax (787) 272-8468

PROTECO
PROTECCION TECNICA ECOLOGICA
SEGURIDAD Y EFICIENCIA SON NUESTRO COMPROMISO

Carretera 835, Km. 4.4
Bo. Tallaboa, Peñuelas, PR 00624
Tels. (787) 836-2058 / 836-2123

INFORME DIARIO DE SERVICIO

011634

A. Información General

Fecha de Servicio: 04/22/97 EMD

Orden de Compra:

Persona de Contacto: ~~GERALDO~~ ORTIZ

Servicio en: VEGA ALTA

Facturar a: GENERAL ELECTRIC ~~PILOTO~~ CONTROLS

B. Transportación y Carga

Equipo Usado

- ☐ Tanque
- ☐ Tumba
- ☐ Furgón
- ☐ Camión de Vacío
- ☐ C-30
- ☐ Otro IZUZU

Zona: NORTE

Núm. de Viajes: 1

Movilización de Equipo

Sí ☐ No ☐

- ☐ Loader
- ☐ Fork Lift
- ☐ Bulldozer
- ☐ Backhoe
- ☐ Otro

C. Disposición y Tratamiento

Descripción del Desperdicio

VARIOS

(WPS:)

- ☐ SOLIDO
- ☑ LIQUIDO
- ☐ SLUDGE
- ☐ ASBESTO

Tratamiento

Sí ☑ No ☐

- ☐ Solidificación
- ☐ Otros

Disposición / Unidad

- Yardas
- Galones
- 25 Drones
- Cajas
- Sacos
- Otros

2

D. Personal

- ☐ Empleado Juan Ortiz, Alfredo Centeno
- ☐ Operador
- ☐ Supervisor
- ☐ Otro

Movilización de Personal

☐ Sí ☐ No

Empleados

Uso de Equipo de Seguridad

- ( ) Nivel A
- ( ) Nivel B
- ( ) Nivel C
- ( ) Nivel D
- ( ) * Vea Adjunto

E. Materiales

F. Observaciones

Horario de Servicio: Entrada 8:30 am/pm Salida am/pm

Certifico que los servicios arriba descritos fueron realizados de forma satisfactoria.

FELIX SOLLA
(Nombre en letra de molde)

04/22/97
(Fecha)

(Firma del Cliente)

COPIA CLIENTE

CARIBE GENERAL ELECTRIC PRODUCTS, INC.

REQUEST FOR PURCHASE ORDER

☐ MRO (EXPENSE)
☐ INVENTORY

PURCHASE ORDER No. 04077 9/9

4/21/97

Vendor Name I: Proteco	Vendor Name II:
Division of:	Division of:
Street No.:	Street No.:
City: 272-8411 State: T5	City: State:
Tel.:	Tel.:

SHIP TO

- ☐ 022-ARECIBO
- ☐ 099-HDQS
- ☐ 023-SAN GERMAN
- ☐ 099-ADVANCED MAT.
- ☐ 021-HUMACAO
- ☐ 025-VEGA BAJA
- ☐ 099-CENTRAL SOURCING
- ☐ 020-PALMER
- ☒ 033-CONTROLS
- ☐ 034-PILOT FAB.

Cert. of Compliance	Invoice Terms	FOB	Freight Terms	Date of Order	Shipping Date	Date Required
☐ YES ☐ NO				4/18/97		
Direct all correspondence relative to the order to:	**Buyer**	**Carrier**	**Charge Acct. No.**		**Confirming Date**	**Confirming With**
	T8810		766805			

ITEM	QUANTITY	PART NO.	REV	DESCRIPTION	PRICE	U M	TOTAL
1	6	P12188	✓	Empty Drums	5.00		30.00
2	3	P9800 11	✓	Oily Rags & Debris	23.00		69.00
3	1	P9794 1	✓	Absorbent w/ Raw Material	23.00		23.00
4	3	P9945 111	✓	Waste Oil	32.00		96.00
5	1	P9817 1	✓	Polychem 2000	32.00		32.00
6	2	P9944 11	✓	Evaporator Sludge	32.00		64.00
7	2	P9799 11	✓	Coolant	32.00		64.00
8	1	P9795 1	✓	Oil Grease Cafeteria	32.00		32.00
9	2	P9818	✓	Empty Pails (Grease)	2.00		4.00
10	4	P12188	✓	Empty Pails (Paint)	2.00		8.00
11	1		✓	Transportation	400.00		400.00
12							822.00

SPECIAL INSTRUCTIONS

AIR AUTHORIZATION INFO:

REQ. BY: ☐ NEXT DAY ☐ 2nd DAY

VIA

COST | WEIGHT

A/W BILL NO.

APPROVED BY

ACCOUNT NUMBERS

SHOP SUPPLIES CHEMICAL - 750401
SHOP SUPPLIES - 750403
OFFICE SUPPLIES - 750400
COPYING MACHINE SUPPLIES - 850404
BUILDING MAINTENANCE - 858602
EQUIPMENT MAINTENANCE - 758600
COMPANY CAR MAINTENANCE - 858600
BOXING & PACKING MATERIAL - 754400
SMALL TOOLS - 850200
SAFETY EXPENSE - 766805
UNAPPLIED MATERIAL - 513310
CONTRACT MAINTENANCE - 851423
MAINTENANCE OF TOOLS & REPLACEMENT - 752400

MISCELLANEOUS SERVICES

OTHER - 851400
GUARD SERVICES - 851426
DISPENSARY - 856201

REASON FOR PURCHASE

REQUISITIONER (PRINT)	REQUISITIONER (SIGN)	MANAGER (SIGN)	PLANT MANAGER (SIGN)	PURCHASE REQUISITION NO.
F. Soto A	4/18/97			128470

099-001 (3-92)

1,000 APX.

NON - HAZARDOUS WASTE TRANSPORTATION/ACCEPTANCE DOCUMENT

DATE 6/2/97.

PROTECO Road 385, Km. 3.5 Peñuelas, Puerto Rico 836-2058 / 836-2123	FROM: GENERAL ELECTRIC CONTROL VEGA ALTA
FACILITY PERMIT NO. SRP-93-002	P.O. NO. 012067

No. of Units & Container Type	DESCRIPTION AND CLASSIFICATION OF WASTE MATERIAL	Waste Profile Sheet Code	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
4 DRUM	WASTE COOLANT & WATER	9799	55 gals			
1 DRUM	WASTE OIL	9945	55 gals.			
18	EMPTY PAIL	12188				
1 DRUM	WATER WITH GREASE x	9819	30 gals			
6 DRUM	WASTE OILY DEBRIS	9793-9800	55 gals			
1. DRUM	WASTE FILTER POLY-CHEM x	9821	30 gals			
6	EMPTY DRUM		55 gals.			
DRUM	WASTE FILTER, EDM		55 gals.			
1 BOX	WASTE FILTER	12368				

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U. S. EPA and the Commonwealth of P. R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE [signature]	TITLE EHS COORDINATOR	DATE SHIPPED 06 02 97 (MO. DAY YR.)	EXPECTED ARRIVAL DATE 06 02 97 (MO. DAY YR.)
TRANSPORTE SIGNATURE [signature]	COMPANY NAME PROTECO	VEHICLE ID. NO. H-02712	DATE RECEIVED 06 02 97 (MO. DAY YR.)
FACILITY SIGNATURE			DATE RECEIVED (MO. DAY YR.)

Carr. #1, Km. 18.9
Guaynabo, PR 00969
PO Box 71331
San Juan, Puerto Rico 00936-8431
Tel. (787) 272-8411
Fax (787) 272-8468

PROTECO
PROTECCION TECNICA ECOLOGICA
SEGURIDAD Y EFICIENCIA SON NUESTRO COMPROMISO

Carretera 835, Km. 4.4
Bo. Tallaboa, Peñuelas, PR 00624
Tels. (787) 836-2058 / 836-2123

1,000 APX.

INFORME DIARIO DE SERVICIO

012067

A. Información General

Fecha de Servicio: 6 | 02 | 97

Orden de Compra: _____

Persona de Contacto _____

Servicio en: VEGA ALTA

Facturar a: GENERAL ELECTRIC CONTROL

B. Transportación y Carga

Equipo Usado

- ☐ Tanque
- ☐ Tumba
- ☐ Furgón
- ☐ Camión de Vacío
- ☐ C-30
- ☐ Otro Int Van

Zona: Norte

Núm. de Viajes: _____

Movilización de Equipo

Sí ☐ No ☐

- ☐ Loader
- ☐ Fork Lift
- ☐ Bulldozer
- ☐ Backhoe
- ☐ Otro

C. Disposición y Tratamiento

Descripción del Desperdicio

VARIOS

(WPS: _____)

- ☐ SOLIDO
- ☐ LIQUIDO
- ☐ SLUDGE
- ☐ ASBESTO

Tratamiento

Sí ☐ No ☐

- ☐ Solidificación
- ☐ Otros _____

Disposición / Unidad

- _____ Yardas
- _____ Galones
- 14 Drones
- 1 Cajas
- _____ Sacos
- _____ Otros

DEVUE 6 DRUMS Vacios
18 PAIL VACIAS

D. Personal

JB. Vargas
M. Román

- ☐ Empleado
- ☐ Operador
- ☐ Supervisor
- ☐ Otro

Movilización de Personal

☐ Sí ☑ No

_____ Empleados

Uso de Equipo de Seguridad

- ( ) Nivel A
- ( ) Nivel B
- ( ) Nivel C
- ( ) Nivel D
- ( ) * Vea Adjunto

E. Materiales

F. Observaciones

Horario de Servicio: Entrada 2:30 am/pm Salida _____ am/pm

Certifico que los servicios arriba descritos fueron realizados de forma satisfactoria.

FELIX SOLLA
(Nombre en letra de molde)

2-JUNE-1997
(Fecha)

Felix Solla
(Firma del Cliente)

COPIA CLIENTE

Invoice # 185 $1600

NON - HAZARDOUS WASTE TRANSPORTATION/ACCEPTANCE DOCUMENT

DATE 15/7/97

TO:
PROTECO
Road 385, Km. 3.5
Peñuelas, Puerto Rico
836-2058 / 836-2123

FACILITY PERMIT NO. SRP-93-0002

FROM:
GENERAL ELECTRIC
VEGA ALTA

P.O. NO. 12546

No. of Units & Container Type	DESCRIPTION AND CLASSIFICATION OF WASTE MATERIAL	Waste Profile Sheet Code	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
Profile # 9793/9806	WASTE OILY DEBRIS		(4)(55G)	1525 #		
9819	WATER & GREASE		(1)(30G)	150 #		
9799	WASTE COOLANT & WATER		(2)(55G)	1000 #		
12188	EMPTY PAILS		(14)	30 #		

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U. S. EPA and the Commonwealth of P. R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED	EXPECTED ARRIVAL DATE
[signature]	EHS	07 / 15 / 97 (MO. DAY YR.)	07 / 15 / 97 (MO. DAY YR.)
TRANSPORTE SIGNATURE	COMPANY NAME	VEHICLE ID. NO.	DATE RECEIVED
Luis Cruz	U.S.A Waste	H. 5685	07 / 15 / 97 (MO. DAY YR.)
FACILITY SIGNATURE			DATE RECEIVED
			MO. DAY YR.

Carr. #1, Km. 18.9
Guaynabo, PR 00969
PO Box 71331
San Juan, Puerto Rico 00936-8431
Tel. (787) 272-8411
Fax (787) 272-8468

PROTECO
PROTECCION TECNICA ECOLOGICA
SEGURIDAD Y EFICIENCIA SON NUESTRO COMPROMISO

Carretera 835, Km. 4.4
Bo. Tallaboa, Peñuelas, PR 00624
Tels. (787) 836-2058 / 836-2123

INFORME DIARIO DE SERVICIO

012545

A. Información General

Fecha de Servicio: 15 | 7 | 97

Orden de Compra: _____

Persona de Contacto _____

Servicio en: VEGA ALTA

Facturar a: GENERAL ELECTRIC CONTROL

B. Transportación y Carga

Equipo Usado

- ☐ Tanque
- ☐ Tumba
- ☐ Furgón
- ☐ Camión de Vacío
- ☐ C-30
- ☒ Otro Isuzu 92

Zona: Norte

Núm. de Viajes: 1

Movilización de Equipo

Sí ☐ No ☐

- ☐ Loader
- ☐ Fork Lift
- ☐ Bulldozer
- ☐ Backhoe
- ☐ Otro

C. Disposición y Tratamiento

Descripción del Desperdicio

(WPS: _____)

- ☐ SOLIDO
- ☐ LIQUIDO
- ☐ SLUDGE
- ☐ ASBESTO

Tratamiento

Sí ☐ No ☐

- ☐ Solidificación
- ☐ Otros _____

Disposición / Unidad

- _____ Yardas
- _____ Galones
- 7 Drones
- _____ Cajas
- _____ Sacos
- 14 Otros

D. Personal

- ☒ Empleado Luis Cruz, Juan Torres
- ☐ Operador
- ☐ Supervisor
- ☐ Otro

Movilización de Personal

☐ Sí ☐ No

_____ Empleados

Uso de Equipo de Seguridad

- ( ) Nivel A
- ( ) Nivel B
- ( ) Nivel C
- ( ) Nivel D
- ( ) * Vea Adjunto

E. Materiales

F. Observaciones

Horario de Servicio: Entrada 8:45 ☐ am/pm Salida _____ am/pm

Certifico que los servicios arriba descritos fueron realizados de forma satisfactoria.

Enid Ortiz
(Nombre en letra de molde)

7/15/97
(Fecha)

(Firma del Cliente)

COPIA CLIENTE

(3)

NON - HAZARDOUS WASTE TRANSPORTATION/ACCEPTANCE DOCUMENT

DATE 5/16/96

TO: PROTECO
Road 385, Km. 3.5
Peñuelas, Puerto Rico
836-2058 / 836-2123

FACILITY PERMIT NO. PRD 090031410

FROM: CARIBE G.E. CONTROL, INC.
Hwy #2 Km. 30.2
P.O. Box 328
Vega Alta, P.R. 00692

P.O. NO. 04E 00925

No. of Units & Container Type	DESCRIPTION AND CLASSIFICATION OF WASTE MATERIAL	Waste Profile Sheet Code	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1	Waste oil AND Absorbent Mixture NON DOT	9873	200 P.			
1	Waste Rags with oil, Non DOT		200 P.			
1	Waste oil with water, Non DOT.	9819	55 gal.			
1	Waste oil and Grease, Non D	9795	55 gal.			
1	Waste Soap Mixture, Non DOT.	9797	300 Pd.			
1	Waste Coolant liquid, Non D.O.T.	9799	~~300 G~~ 55 gal.			
1	Waste absorbent with raw Material, Non. D.O.T.	9794	300 Pd.	300 Pd.		
1	Transportation					200.-
(4 drones	Total)					

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U. S. EPA and the Commonwealth of P. R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED	EXPECTED ARRIVAL DATE
Gladys Tan	EHS Coordinator	05 MO. 16 DAY 96 YR.	05 MO. 16 DAY 96 YR.
TRANSPORTE SIGNATURE	COMPANY NAME	VEHICLE ID. NO.	DATE RECEIVED
[signature]	Proteco	H-5685	05 MO. 16 DAY 96 YR.
FACILITY SIGNATURE			DATE RECEIVED MO. DAY YR.

NON - HAZARDOUS WASTE TRANSPORTATION/ACCEPTANCE DOCUMENT

DATE 7/25/96

TO:	FROM:
PROTECO	GE CONTROL VEGA ALTA
Road 385, Km. 3.5	
Peñuelas, Puerto Rico	
836-2058 / 836-2123 — FACILITY PERMIT NO. PRD 090031140	P.O. NO. 008854

(3)

No. of Units & Container Type	DESCRIPTION AND CLASSIFICATION OF WASTE MATERIAL	Waste Profile Sheet Code	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
	W 2 - 9800 8 - 9795					
	2 - 9797 1 - 9821					
	1 - 9793					
7	Waste oil and Grease (9795)	9795	360G	1950P		
1	Non DOT Regulated Waste Soap	9797	55G	300P		
1	Non DOT Regulated Waste Filters	9821	55G	250P		
2	Non DOT Regulated Waste Rags with oil	9800	110G	500P		
1	Non DOT Regulated Waste absorbent	9793	55G	250P		

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U. S. EPA and the Commonwealth of P. R. The waste described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S SIGNATURE	TITLE	DATE SHIPPED (MO. DAY YR.)	EXPECTED ARRIVAL DATE (MO. DAY YR.)
GLADYS [illegible]	[illegible]	07 25 96	07 25 96
TRANSPORTE SIGNATURE	**COMPANY NAME**	**VEHICLE ID. NO.**	**DATE RECEIVED (MO. DAY YR.)**
[illegible]	Proteco	5085 H	07 25 96
FACILITY SIGNATURE			**DATE RECEIVED (MO. DAY YR.)**

Carr. #1, Km. 18.9
Guaynabo, PR 00969
PO Box 71331
San Juan, Puerto Rico 00936-8431
Tel. (809) 272-8411
Fax (809) 272-8468

PROTECO
PROTECCION TECNICA ECOLOGICA
SEGURIDAD Y EFICIENCIA SON NUESTRO COMPROMISO

Carretera 835, Km. 4.4
Bo. Tallaboa, Peñuelas, PR 00624
Tels. (809) 836-2058 / 836-2123

INFORME DIARIO DE SERVICIO

A. Información General

008854

Fecha de Servicio: 7/15/96

Orden de Compra: _____

Persona de Contacto _____

Servicio en: VEGA ALTA

Facturar a: G.E. CONTROL

B. Transportación y Carga

Equipo Usado

- ☐ Tanque
- ☐ Tumba
- ☐ Furgón
- ☐ Camión de Vacío
- ☐ C-30
- ☐ Otro _____

Zona: _____

Núm. de Viajes: _____

Movilización de Equipo

Sí ☐ No ☐

- ☐ Loader
- ☐ Fork Lift
- ☐ Bulldozer
- ☐ Backhoe
- ☐ Otro

C. Disposición y Tratamiento

Descripción del Desperdicio

NON D.O.T. Regulated Waste

(WPS: _____)

- ☐ SOLIDO
- ☐ LIQUIDO
- ☐ SLUDGE
- ☐ ASBESTO

Tratamiento

Sí ☐ No ☐

- ☐ Solidicación
- ☐ Otros _____

Disposición / Unidad

- _____ Yardas
- 12 Galones
- _____ Drones
- _____ Cajas
- _____ Sacos
- _____ Otros

D. Personal

- ☒ Empleado J. Montalvo
- ☐ Operador Josue Vargas
- ☐ Supervisor
- ☐ Otro

Movilización de Personal

☐ Sí ☐ No

_____ Empleados

Uso de Equipo de Seguridad

- ( ) Nivel A
- ( ) Nivel B
- ( ) Nivel C
- ( ) Nivel D
- ( ) * Vea Adjunto

E. Materiales

F. Observaciones

Horario de Servicio: Entrada 8:10 am/pm Salida 9:30 am/pm

Certifico que los servicios arriba descritos fueron realizados de forma satisfactoria.

Gladys Torres
(Nombre en letra de molde)

7/15/96
(Fecha)

S. Gen.
(Firma del Cliente)

COPIA CLIENTE

03/12/96

TO: Ruben Soto

From: Gerardo Ortiz

RE: TCLP NON-HAZ WASTE

Attached please find copy of Control's Waste Analysis Profiles with their Analysis Date and Profile #. This is page one of seventy. Please call me should you have any questions.

WP-PROTECO

9944	Evaporators sludge	96-01-B14	02/28/96
9945	Waste oil	96-01-B16	02/28/96
9793	Absorbent with oil	96-01-B17	02/28/96
9794	Absorbent w/Raw material	96-01-B18	02/28/96
9795	Oil Grease - Cafeteria	96-01-B19	02/28/96
9796	Bi Wax	96-01-B13	02/28/96
9797	~~Scrub~~ Scrapp	96-01-B12	02/28/96
9798	Isopal-L	96-01-B15	02/28/96 * flash point
9799	Coolant	96-01-B25	02/28/96
9800	* Rags with oil (volatiles)	87714	06/10/93
9817	Polychem 2000	87719	06/10/93
9818	Paila de Grasa	94-11-021	12/01/94
9800	* Rags with oil	87714	06/10/93
9819	Aceite y Agua	94-11-017	11/28/94
~~7820~~	~~Wire Electrical Discharge~~	~~94-06-098~~	~~07/08/94~~ Peligroso
9[illegible]21	Filtros Polychem	94-11-018	11/28/94

8

Emergency Pick up (AFTER hours)
IVAN oliveras
250-0140 m: 488 1659

Rossy Garcia
↓
ochoa

Routing P/U
MANIFEST CDR
Labels
Placards
↓
weekly → LAIDLAW (clearwater)

- Per load
- Per drum

GENERAL ELECTRIC
PROPOSAL

	FIBERGL. DUST	"	1	"		$23.00/DR
	ZINC O DISC.	"	2	"		$23.00/DR
	ZINC O TRASH	1YD	1	"		$22.00/YD
	ZINC O METAL FL.	55GAL/DR	1	"		$23.00/DR
	SETTER MATERIAL	"	4	"		$23.00/DR
	OILY RAGS	"	1	QUARTERLY		$23.00/DR
	VARISTOR POWD.	1YD	1	MONTHLY		$22.00/YD
	SULFOR POWDER	55GAL/DR	1	"		$23.00/DR
	RUBBER POLYMER	"	16	"		$23.00/DR
	DISCS CARRIER	"	1	QUARTERLY		$23.00/DR
	ZINC OXIDE SLUDGE	1YD	5	MONTHLY		$22.00/YD
	BROKEN ZAGGERS	55GAL/DR	4	"		$23.00/DR
	OIL	"	1	QUARTERLY		$32.00/DR
	BIWAX/TRASH	"	1	MONTHLY		$23.00/DR
	BISMUTH POWDER	"	1	"		$23.00/DR
SAN GERMAN	CURED POLYESTER	55GAL/DR	3	MONTHLY	$225.00/LOAD	$23.00/DR
	RAGS/OIL	"	2	"		$23.00/DR
	E WW	"	10	YEARLY		$32.00/DR
	HYDRAULIC OIL	"	2	MONTHLY		$32.00/DR
VEGA ALTA	OIL	55GAL/DR	1	MONTHLY	$400.00/LOAD	$32.00/DR
	STEELGARD/WATER	"	3	YEARLY		$32.00/DR
	RAGS/OIL	"	2	MONTHLY		$23.00/DR
	ABSORB./OIL	"	1	"		$23.00/DR
	BIWAX	"	1	YEARLY		$23.00/DR
	ISOPAL L	"	5	"		$32.00/DR
	POLYCHEM 2000	"	5	"		$32.00/DR
	COOLANT	"	4	MONTHLY		$32.00/DR
	PAILSGREASE	PAILS	2	WEEKLY		$2.00/PAIL
	RAGS/GREASE	55GAL/DR	1	MONTHLY		$23.00/DR

GENERAL ELECTRIC
PROPOSAL

	FILTER POLYCHEM	"	2	YEARLY		$23.00/DR
	IRON SHAVINGS	"	6	"		$23.00/DR
	OIL/WATER	"	4	"		$32.00/DR
	SLUDGE POLYCHEM	"	2	"		$32.00/DR
VEGA BAJA	COOLANT WATER	55GAL DR	2	MONTHLY	$400.00/LOAD	$32.00/DR
	OIL RAGS	"	1	6/YEAR		$32.00/DR
	SLUDGE	"	1	MONTHLY		$32.00/DR
	POWDER PAINT	"	1	"		$23.00/DR
	POWDER PAINT FIL.	"	1	6/YEAR		$23.00/DR
	T SEPAR L	"	1	MONTHLY		$23.00/DR

GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

25 JCA Aniversario

November 22, 1995

Mrs. Gladys Torres
Environmental Specialist
Caribe GE Products, Inc.
PO Box 328
Vega Alta, Puerto Rico 00692

Dear Mrs. Torres:

Reference is made to the inspection performed to Caribe GE Products, Inc., on October 30, 1995, by Mrs. Mayra Fortes, from the Land Pollution Control Area.

At the time of the inspection, the company was found in compliance with the Regulation for the Control of Hazardous and Non - Hazardous Solid Wastes (RCHNHSW) and 40 CFR 262 and 265.

This compliance letter is related only and exclusively with the above mentioned inspection and does not preclude from further enforcement action.

We appreciate your cooperation.

Cordially,

Israel Torres Rivera
Acting Director
Land Pollution Control Area

MF/sec

GE_CARIBE000880

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

Environmental
Quality Board

November 17, 1994

Mrs. Gladys Torres
EHS Specialist
Caribe GE Products
P.O. Box 328
Vega Alta, Puerto Rico 00692

Dear Mrs. Torres:

Reference is made to the inspection performed to Caribe GE Products on October 26, 1994, by Mrs. Carmen Judith Núñez from the Land Pollution Control Area.

At the time of the inspection, the company was found in compliance with the Regulation for the Control of Hazardous and Non-Hazardous Solid Wastes (RCHNHSW) and 40 CFR 262 and 265.

This compliance letter is related only and exclusively with the above mentioned inspection and does not preclude from further enforcement action.

We appreciate your cooperation.

Cordially,

Israel Torres Rivera
Acting Director
Land Pollution Control Area

CJN/idg

OFFICE OF THE BOARD: NATIONAL BANK PLAZA / 431 PONCE DE LEON AVE. / HATO REY PUERTO RICO 00917
P.O. BOX 11488 / SANTURCE, PUERTO RICO 00910 / TELEPHONE: 767-8181

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ✓ PELIGROSOS/ ___ NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
WATER with Cd	0383	Tumbling	3/10/98	D006 D008 D011	4/1/98	55gals	98003	A. Crespo
Fluorescent Bulbs 4ft.	Box	Mantenimiento	3/18/98	D008	4/1/98	N/A	98005	J. Reyes
WASTE Resins	0490	Coils	3/16/98	D001	6/4/98	55 gals	98007	W. Melendez
WATER with Cd	0410	Tumbling	3/25/98	D006 D008 D011	4/1/98	55gals	98003	A. Crespo
WATER with Cd	0418	Tumbling	4/7/98	D006 D008 D011	6/4/98	55gals	98006	A. Crespo
Fluorescent Bulbs 4ft	Box	Mantenimiento	4/14/98	D009	6/4/98	N/A	98008	J. Reyes
WATER with Cd	0425	Tumbling	4/20/98	D006 D008 D011	6/4/98	55gals	98006	A. Crespo
WASTE Isopar L	0433	Tumbling	4/22/98	D001 D005 D011	6/4/98	55gals	98006	A. Crespo
WASTE Isopar L	0387	Tool Room	5/4/98	D001 D005 D011	6/4/98	55gals	98006	F. Barriento
WATER with Cd	0432	Tumbling	5/4/98	D006 D008 D011	6/4/98	55gals	98006	A. Crespo
WATER with Cd	0450	Tumbling	5/11/98	D006 D008 D011	6/4/98	55gals	98006	A. Crespo
WATER with Cd	0453	Tumbling	5/17/98	D006 D008 D011	6/4/98	55gals	98006	A. Crespo
WATER with Cd	0197	Tumbling	5/22/98	D006 D008 D011	6/4/98	55gals	98006	A. Crespo
WATER with Cd	0457	Tumbling	5/28/98	D006 D008 D011	6/4/98	55gals	98006	A. Crespo

COMENTARIOS: _____

ENV - VC - 078
REV. 3

01/95

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ✓ PELIGROSOS/ ___ NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
RQ Waste Flammable solids	0412	Coils	5/27/98	D001	8/26/98	55gal	98012	W. Melendez
Fluorescent lamps	N/A	Mantenimiento	6/3/98	D009	6/4/98	2Box	98008	J. Reyes
Fluorescent lamps 4'	N/A	Mantenimiento	6/4/98	D009	8/24/98	3Box	98010	J. Reyes
Water From the Tumbling	0458	Tumbling	6/8/98	D006 D008 D011	8/24/98	55gal	98009	A. Crespo
Fluorescent lamp 8'	N/A	Mantenimiento	6/8/98	D009	8/24/98	2Box	98010	J. Reyes
Water From the Tumbling	0466	Tumbling	6/15/98	D006 D008 D011	8/24/98	55gal	98009	A. Crespo
Water From the Tumbling	0467	Tumbling	6/26/98	D006 D008 D011	8/24/98	55gal	98009	A. Crespo
Water From the Tumbling	0209	Tumbling	7/7/98	D006 D008 D011	8/24/98	55gal	98009	A. Crespo
Water From the Tumbling	0218	Tumbling	7/14/98	D006 D008 D011	8/24/98	55gal	98009	A. Crespo
Water From the Tumbling	0225	Tumbling	8/10/98	D006 D008 D011	8/24/98	55gal	98009	A. Crespo
Water From the Tumbling	0235	Tumbling	8/10/98	D006 D008 D011	8/24/98	55gal	98009	A. Crespo
Waste aerosols (Kalo Pack)	—	Industrial MCCB	—	D001	8/26/98	30gal	98011	L. Colón
empty containers silicon	—	coils	—	D001	8/26/98	5gal	98011	W. Melendez
Non PCB Ballast	—	Mantenimiento	—	—	8/26/98	5gal	98011	M. Velazquez
Regular Alkaline Batteries	—	Mantenimiento	—	D006	8/26/98	5gal	98011	M. Velazquez
Nickel Cadmium Batteries	—	Mantenimiento	—	D006	8/26/98	16gal	98011	M. Velazquez

COMENTARIOS: _____

ENV - VC - 078
REV. 3

01/95

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ✓ PELIGROSOS/ ___ NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Mercury switches	—	Mantenimiento	—	D009	8/26/98	5gls	98011	M. Velazquez
Mercury Light Bulbs	—	Mantenimiento	—	D009	8/26/98	16gls	98011	M. Velazquez
Water from the tumbling	0236	Tumbling	8/31/98	D006 D008 D011	11/18/98	55gals	98013	A. Crespo
Fluorescent Lamps: 3 Box 4'	—	Mantenimiento	9/3/98	D009	11/19/98	—	98014	J. Reyes
Rags cont. with alcohol	0150	Industrial	9/8/98	D001	11/18/98	55gals	98013	J. Ramos
Water from the Tubling	0242	Tumbling	9/10/98	D006 D008 D011	11/18/98	55gals	98013	A. Crespo
Water from the Tumbling	0256	Tumbling	9/17/98	D006 D008 D011	11/18/98	55gals	98013	A. Crespo
Water from the Tumbling	0260	Tumbling	9/24/98	D006 D008 D011	11/18/98	55gals	98013	A. Crespo
Waste Flammable (STYRENE)	0259	Coils	9/16/98	D001	8/26/98	55gals	98012	D. Melendez
~~Rags with alcohol~~	~~0150~~	~~Industrial~~	~~9~~ ccv					
Corrosive Liquid (Pottassium Hydroxide)	272	Mantenimiento	8/24/98	D002	11/18/98	55gals	98013	M. Velazquez
Corrosive Liquid (Pottassium Hydroxide)	273	Mantenimiento	8/24/98	D002	11/18/98	55gals	98013	M. Velazquez
Corrosive Liquid (Pottassium Hydroxide)	*275	Mantenimiento	8/24/98	D002	11/18/98	30 gals	98013	M. Velazquez
Corrosive Liquid (Hydrochloric Acid)	274	Mantenimiento	8/24/98	D002 D006 D011	11/18/98	30 gals	98013	M. Velazquez
Water from the tumbling	262	Tumbling	9/30/98	D006 D008 D011	11/18/98	55gals	98013	A. Crespo
Water from the tubling	266	Tubling	10/9/98	D006 D008 D011	11/18/98	55gals	98013	A. Crespo

COMENTARIOS: * El Drum 275 se mezcló con el 0297 para completar uno de 55gals, ambos tenían el mismo desperdicio. ccv 11/3/98

ENV - VC - 078
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CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ✓ PELIGROSOS/ ___ NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Waste Flammable (STYRENE)	0239	Coils	9/16/98	~~D009~~ D001 cc✓	11/24/98	—	98015	M. Velazquez
Waters from the Tumbling	0277	Tumbling	10/16/98	D006 D008 D011	11/18/98	55gals	98013	A. Crespo
Fluorescent lamps 4' (2 Box)	Box	Mantenimiento	10/20/98	D009	11/19/98	—	98014	M. Velazquez
water with Cd (Tumbling)	0286	Tumbling	10/27/98	D006 D008 D011	11/18/98	55gals	98013	A. Crespo
WASTE Flammable (STYRENE)	0259	Coils	10/14/98	D006 D008 D011	11/24/98	55gals	98015	W. Melendez
WASTE Flammable (STYRENE)	0283	Coils	10/16/98	D003 D001	1/15/99	55gals	99002	W. Melendez
Corrosive Liquid (Potassium Hydroxide)	0297	Mantenimiento	11/2/98	D002	11/18/98	55gals	98013	M. Velázquez
Fluorescent lamps 4'	1 Box	Mantenimiento	11/6/98	D009	11/19/98	—	98014	M. Velázquez
WATER FROM THE TUMBLING	0291	Tumbling	11/16/98	D006 D008 D011	11/18/98	55gals	98013	A. Crespo
Fluorescent lamps 8'	1 Box	Mantenimiento	9/23/98	D001	11/19/98	—	98014	M. Velazquez
WASTE Flammable (STYRENE)	0303 ~~0270~~ cc✓	Coils	11/30/98	D001 D003	1/15/99	55gals	99002	W. Melendez
~~WASTE Flammable~~ solid containing Flammable liquid	Pails	Push Button	10/16/98	F003 D001	1/15/99	5gals	99002	R. Talavera
WASTE DIESEL FUEL	0319	Mantenimiento	12/24/98	D001	1/15/99	55gals	99002	M. Velázquez
WATER FROM THE TUMBLING	0301	Tumbling	1/7/98	D006 D008 D011	1/15/99	55gals	99001	A. Crespo
ISOPAR L USADO	0431	Tumbling	1/12/99	D001 D008 D011	1/15/99	55gals	99001	A. Crespo
Fluorescent lamp	—	Mantenimiento	1/11/99	D009	1/15/99	2 cajas	99003	M. Velázquez

COMENTARIOS: _____

ENV - VC - 078
REV. 3

01/95

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- X PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Waste Hydrochloric Acid L.P.		Maintenance	12/10/97	D002	12/29/97	5 gal plastic	97024	E.O.
Waste Water w/Cd		Tumbling	12/11/97	D009	12/29/97	Plastic 55 gal	97025	E.O.
Waste Water w/Cd		Tumbling	12/22/97	D009	12/29/97	Plastic 55 gal	97025	E.O.
Waste Water w/Cd.		Tumbling	12/24/97	D009	12/29/97	Plastic 55 gal.	97025	E.O.
Waste Water w/Cd		Tumbling	1/22/98	D009	1/14/98	Plastic 55 gal	98002	E.O.
Waste Water w/Cd		Tumbling	1/20/98	D009	4/1/98	Plastic 30 gal.	98003	CCV
Waste Solid Resin		Coils	1/20/98	D001	4/1/98	Steel 55 gal	98004	CCV
Waste Water w/Cd		Tumbling	1/23/98	D009	4/1/98	Plastic 55 gal	98003	CCV
Waste Water w/Cd		Tumbling	2/3/98	D009	4/1/98	Plastic 55 gal	98003	CCV
Fluorescent Lamps 4ft		Maintenance	2/3/98	D008	4/1/98	Box	98005	CCV
Fluorescent Lamps 4ft		Maintenance	2/3/98	D008	4/1/98	Box	98005	CCV
Fluorescent Lamps 4ft		Maintenance	2/3/98	D008	4/1/98	Box	98005	CCV
Fluorescent Lamps 4ft (Crushed)		Maintenance	2/3/98	D008	4/1/98	Box	98005	CCV
Waste Solid Resin		Coils	2/3/98	D001	4/1/98	Steel 55 gal	98004	CCV
Waste Water w/Cd		Tumbling	2/10/98	D009	4/1/98	Plastic 55 gal.	98003	CCV
Waste Water w/Cd		Tumbling	2/25/98	D009	4/1/98	Plastic 55 gal.	98003	CCV

COMENTARIOS: _____

ENV - VC - 078
REV. 3

01/95

GE_CARIBE000886

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- X PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
*ABSORBENT & ALL BRITE (under characterization)	128	CHEM STOCK	10/23/97	—	1/14/98	BHG	98002	F. Solla
Water from Tumbling w/Cd	127	Tumbling	10/27/97	D008	10/31/97	55gal.	97022	E. Ortiz
~~*Hydrochloric Acid from Chemtrex~~	—	~~Cooling Tower~~	~~10/25/97~~	—	—	~~Pail 2gal~~	—	~~E. Ortiz~~
**Fluorescent lamp 4ft	-	Maint	11/4/97	D008	1/14/98	Box	98001	E. Ortiz
**Fluorescent Lamp 4ft	-	Maint	11/4/97	D008	1/14/98	Box	98001	E. Ortiz
**Fluorescent lamp 4ft	-	Maint	11/4/97	D008	1/14/98	Box	98001	E. Ortiz
**Fluorescent lamp 4ft	-	Maint	11/4/97	D008	1/14/98	Box	98001	E. Ortiz
**Fluorescent lamp 8ft	-	Maint	11/4/97	D008	1/14/98	Box	98001	E. Ortiz
Water from Tumbling w/cd	134	Tumbling	11/6/97	D009	12/29/97	Plastic 55gal	97025	E. Ortiz
Rags with alcohol	014	Ind.	11/7/97	D001	12/29/97	55gal	97025	E. Ortiz
(2) Waste Solid Resin & /Rags	152	Coils	11/17/97	D001	12/29/97	55gal	97024.	E. Ortiz
Water from Tumbling	146	Tumbling	11/20/97	D009	12/29/97	55gal	97025	E. Ortiz
Fluorescent Lamp 4ft	—	Maint.	11/20/97	D008	1/14/98	Box	98001	E. Ortiz
Fluorescent Lamp. 4ft.	—	Maint	11/20/97	D008	1/14/98	Box	98001	E. Ortiz
Waste Flammable Solids		Paint Booth	11/20/97	D001	12/29/97	55gal	97025	E. Ortiz
Water from Tumbling w/Cd		Tumbling	12/3/97	D009	12/29/97	55gal	97025	E. Ortiz

COMENTARIOS: * The contains of this pail (2gal) was reused in the cooling tower process.

** These lamp must be repacked in Safety Kleen boxes before pick up. The Safety Kleen boxes are biggy. 6 Boxes were repacked on 4 boxes.

ENV - VC - 078
REV. 3

01/95

GE_CARIBE000887

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- X PELIGROSOS/ ___ NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
WATER & CHOMIUM	0077	TUMB	9/17/97	D008 ~~9/7~~	9/26/97	556PTH	97018	F. SOLCA
WASTE RESIN SOLUTION	0100	COILS	9/19/97	D001	10/31/97	556SOH	97024	F. SOLCA
BLACK POWDER & DEBRIS	0101	MAGNETS	9/19/97		9/26/97	375H 556SOH	97020	F. SOLCA
BLACK POWDER & DEBRIS	0102	MAGNETS	9/19/97		9/26/97	460H 556SOH	97018	F. SOLCA
BLACK POWDER & DEBRIS	0103	MAGNETS	9/23/97		9/26/97	310H 556SOH	97018	F. SOLCA
WATER & CADMIUM	0097	TUMBLING	9/24/97	D008	9/26/97	500 H 556PTH	97018	F. SOLCA
WATER & CADMIUM	0104	TUMBLING	9/30/97	D008	10/31/97	556PTH	97022	F. SOLCA
WASTE FLAMABLE SOLIDS (ISOPROPANOL)		OVERLOAD	10/1/97		10/31/97	556SOH	97022	F. SOLCA
CRUSHED FLUORESCENT LAMPS		MAINTENANCE	10/1/97		12/30/97	CARTON BX	97027	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY)	0110	MAINT	10/3/97	D008	12/29/97	4FT 39BX	97026	F. SOLCA
HAZARDOUS WASTE SOLID MERCURY	0111	MAINT	10/3/97 ~~10/9/97~~	D008	10/31/97	8FT 39BX	97023	F. SOLCA
HAZARDOUS WASTE SOLID (STYRENE)	0118	COILS	10/10/97		12/29/97	556SOH	97024	F. SOLCA
WATER & CAD	0107	TUMB	10/13/97		10/31/97	556PTH	97022	F. SOLCA
WATER & CAD	0119	TUMB	10/20/97		10/31/97	556PTH	97022	F. SOLCA
* ~~ABSO~~ ABSORBENT & ALCBRIDE (under characterization)	129	CHEMSTORE	10/22/97		1/14/98	BAG	98002	F. SOLCA
* ABSORBENT & ALCBRITE (under characterization)	130	CHEMSTORE	10/22/97		1/14/98	BAG	98002	F. SOLCA

COMENTARIOS: * Characterization: The material was classified as Non-Haz waste.

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CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- X PELIGROSOS/ ___ NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
RQ HAZARDOUS WASTE, LIQUID NOS 9 NA3082 PGII WATER(CAD	0060	TUMBLING	8/7/97	D006	8/27/97	556PTH	97015	F. SOLCA
SOLID RESIN	0066	MOLDING CORES	8/7/97	D001	9/26/97	395# 556SOH	97019	F. SOLCA
RQ HAZARDOUS WASTE, LIQUID NOS 9 NA 3082 PGII WATER(CAD	0065	TUMBLING	8/15/97		8/27/97	556PTH	97015	F. SOLCA
RQ HAZARDOUS WASTE LIQUID NOS 9 NA 3082 PGII WATER(CAD	0069	TUMBLING	8/26/97	D008	9/26/97	500# 55PTH	97018	F. SOLCA
RQ HAZARDOUS WASTE, LIQUID NOS 9 NA3082 PGII	0071	TUMBLING	9/5/97	D008	9/26/97	500# 55PTH	97018	F. SOLCA
SOLID RESIN	0078	CORES	9/5/97	D001	9/26/97	556SOH	97019	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY)	0079	FACILITIES	9/8/97	D009	9/26/97	4FT BX	97021	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY)	0080	FACILITIES	9/8/97	D009	9/26/97	4FT BX	97021	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY)	0081	FACILITIES	9/8/97	D009	9/26/97	4FT BX	97021	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY)	0082	FACILITIES	9/8/97	D009	9/26/97	4FT BX	97021	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY)	0083	FACILITIES	9/8/97	D009	9/26/97	4FT BX	97021	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY)	0084	FACILITIES	9/8/97	D009	9/26/97	4FT BX	97021	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY)	0085	FACILITIES	9/8/97	D009	9/26/97	4FT BX	97021	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY)	0086	FACILITIES	9/8/97	D009	9/26/97	4FT BX	97026	F. SOLCA
HAZARDOUS WASTE SOLID (MERCURY	0087	FACILITIES	9/8/97	D009	10/31/97	4FT BX	97023	F. SOLCA
WASTE ISOPAC L	0010	TUMBLING	9/9/97		9/26/97	900# 556STH	97018	F. SOLCA

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS -- X PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
* (MERCURY) NA 3077 PGIII HAZARDOUS WASTE SOLID NOS	0035	FACILIDADES	6/23/97	D00	7/7/97	4 FT 39/BOX	97013	F. SOLLA
* (MERCURY) NA 3077 PGIII HAZADOUS WASTE SOLID NOS	0036	FACILIDADES	6/23/97	D00	7/7/97	4 FT 39/BOX	97013	F. SOLLA
* (MERCURY) NA 3077 PGIII HAZARDOUS WASTE SOLID NOS	0037	FACILIDADES	6/23/97	D00	7/7/97	8 FT 39/BOX	97013	F. SOLLA
HAZARDOUS WASTE LIQUID, NOS (CADMIUM), NA 3082, PGIII	0033	TUMBLING	6/26/97	D008	8/27/97	55G	97015	F. SOLLA
WASTE RESIN SOLUTION	0043	COILS MOLDING	7/3/97	D001	9/26/97	0H 55GS	400 # 97019	F. SOLLA
HAZARDOUS WASTE LIQUID NOS (CADMIUM), NA 3082 PGIII	0041	TUMBLING	7/8/97	D008 ~~D008~~	8/27/97	55GPTH	97015	F. SOLLA
WASTE RAGS & SOLVENT	N/A	PAINTBOOTH	7/14/97	D001	8/27/97	55GSOH	97015	F. SOLLA
RQ HAZARDOUS WASTE, LIQUID, NOS, 9, NA 3082 PGIII (D008)	0044	TUMBLIN	7/17/97	D008	8/27/97	55GPTH	97015	F. SOLLA
RQ WASTE FLAMMABLE SOLIDS, ORGANIC NOS (IPA) 4.1 UN1325PGIII		INDUSTRIAL	7/21/97	D001	8/27/97	55GSOH	97015	F. SOLL
(MERCURY) NA 3077 PGIII HAZARDOUS WASTE SOLID NOS	0058	FACILITIES	7/29/97		8/27/97	4 FT 39/BOX	97016	F. SOLLA
HAZARDOUS WASTE SOLID NOS (MERCURY) NA 3077 PGIII	0059	FACILITIES	7/29/97		8/27/97	4 FT 39/BOX	97016	F. SOLLA
HAZARDOUS WASTE SOLID NOS (MERCURY) NA 3077 PGIII	0061	FACILITIES	7/30/97		8/27/97	4 FT 39/BX	97016	F. SOLLA
RQ HAZARDOUS WASTE LIQUID NOS 9 NA 3082 PGIII (D008) CADMIUM	0052	TUMBLING	7/30/97		8/27/97	55GPTH	97015	F. SOLLA
HAZARDOUS WASTE SOLID (MERCURY)	0062	FACILITIES	8/6/97		8/27/97	4 FT 39/BX	97016	F. SOLLA
HAZARDOUS WASTE SOLID (MERCURY)	0063	FACILITIES	8/6/97		8/27/97	4 FT 39/BX	97016	F. SOLLA
HAZARDOUS WASTE SOLID (MERCURY)	0064	FACILITES	8/6/97		8/27/97	4 FT 39/BX	97016	F. SOLLA

COMENTARIOS: * "WASTE MERCURY CONTAINED IN MANUFACTURED ARTICLES"
NUEVA DESCRIPCION PARA TUBOS FLUORESCENTES 7/7/97

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CARIBE GENERAL ELECTRIC CONTROLS, INC.

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TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
WATER WITH CADMIUM	97059	TUMBLING	4/30/97	D006	5/13/97	500LBS 55GAL	97010	F. SOLCA
WATER WITH CADMIUM	97061	TUMBLING	5/6/97	D006	5/13/97	525LBS 55GAL	97010	F. SOLCA
WATER WITH CADMIUM	0003	TUMBLING	5/12/97	D006	5/13/97	525 LBS. 55GAL	97010	F. SOLCA
WASTE ISOPARL		TUMBLING	5/12/97	D001	5/13/97	425LBS 55GAL	97010	F. SOLCA
RAGS CONTAMINATED W CADMIUM & GLOVES	97038	EXP WELD	5/14/97	D006	7/1/97	200# 55GAL	97012	F. SOLCA
WATER WITH CADMIUM	0005	TUMBLING	5/19/97	D006	7/1/97	510# 55GP	97012	F. SOLCA
HYDROCHLORIC ACID LAB PACK	N/A	FACILITIES	5/19/97		6/17/97	55PAIL	97011	F. SOLCA
Solid Resin	0006	Coils	5/19/97	D001	7/9/97	470# 55gal	97014	[illegible]
WASTE FLAMMABLE SOLIDS (ISOPROPANOL)		INDUSTRIAL	5/23/97	D0001	7/1/97	110# 55GAL	97012	F. SOLCA
HYDROCHLORIC ACID LAB PACK	N/A	FACILITIES	5/28/97		6/17/97	1 GALLON	97011	F. SOLCA
WATER WITH CADMIUM	0012	TUMBLING	5/28/97	D006	7/1/97	520# 55GAL	97012	F. SOLCA
WATER WITH CADMIUM	0018	TUMBLING	6/4/97	D006	7/1/97	500LBS 55GAL	97012	F. SOLCA
LAB PACK	N/A	FACILITIES	6/5/97		6/17/97	SEE NOTE	97011	F. SOLCA
WATER WITH CADMIUM	0022	TUMBLING	6/10/97	D006	7/1/97	POLY 55G 490#	97012	F. SOLCA
WATER WITH HYDROCHLORIC ACID	N/A	MAINT	6/11/97		9/5/97	5G	97017	F. SOLCA
WATER WITH CADMIUM	0030	TUMB	6/18/97	D006	7/1/97	CH 500# 55G POLY	97012	F. SOLCA

COMENTARIOS: NOTE: LAB PACK CONSISTS OF: 2 - 55 GALLON DRUMS (STEEL) 1 - 30 GALLON DRUM (POLY) 3 - 5 GALLON PAILS

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TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Waste Liquid N.O.S., NA 3082 PG III	97039	Tumbling	3-18-97	D006	5/6/97	55 gals	97007	J.A.C
Waste Liquid N.O.S., NA 3082 PG III	97026	Tumbling	3-18-97	D006	5/6/97	55 gals	97007	J.A.C
Waste Liquid N.O.S., NA 3082 PG III	97040	Tumbling	3-24-97	D006	5/6/97	55 gals	97007	J.A.C
RQ WASTE RESIN SOLUTION FLAMMABLE UN1866, PG II	—	—	3/24/97	D001	5/6/97	55 GAL	97009	F. Solla
~~WASTE~~ FLUORESCENT LIGHT BULBS HAZARDOUS WASTE SOLID MERCURY	N/A	FACILITIES	3/26/97	D009	5/6/97	(90 PCS) 8 FT	97008	F. Solla
FLUORESCENT LIGHT BULBS CONTAINS HAZARDOUS WASTE SOLID MERCURY	N/A	FACILITIES	3/26/97	D009	5/6/97	(90 PCS) 8 FT	97008	F. Solla
FLUORESCENT LIGHT BULBS HAZARDOUS WASTE SOLID CONTAINS MERCURY	N/A	FACILITIES	3/26/97	D009	5/6/97	(50 PCS) 4 FT	97008	F. Solla
FLUORESCENT LIGHT BULBS HAZARDOUS WASTE SOLID CONTAINS MERCURY	N/A	FACILITIES	3/26/97	D009	5/6/97	(50 PCS) 4 FT	97008	F. Solla
HAZARDOUS WASTE LIQUID, N.O.S. (CADMIUM), NA3082, PG III	97043	TUMBLING	4/1/97	D006	5/6/97	55 GAL	97007	F. Solla
HAZARDOUS WASTE LIQUID N.O.S. (CADMIUM) NA 3082 PG III	97041	TUMBLING	4/8/97	D006	5/6/97	55 GAL	97007	F. Solla
RQ, Waste Flammable Liquids, N.O.S. (Alcohol), 3, UN1993, PG III		~~TUMBLING~~	4/9/97	D006	7/8/97	490# 300 GAL	97012	F. Solla
Waste Liquid N.O.S., NA 3082 PG III	97051	TUMBLING	4/11/97	D006	5/6/97	55 GAL	97007	F. Solla
WASTE RESIN SOLUTION, FLAMMABLE 3, UN 1866, PG III	500# 96045	MOLDING COILS	4/11/97	D001	7/9/97	500# 55 GAL	97014	F. Solla
WASTE LIQUID NOS 9 NA 3082 PG III	97053	TUMBLING	4/16/97	D006	5/6/97	55 GAL	97007	F. Solla
HAZARDOUS WASTE LIQUID (CADMIUM) NA 3082 PG III	97054	TUMBLING	4/17/97	D006	5/6/97	55 GAL	97007	F. Solla
Waste Liquid N.O.S., NA 3082 PG III	97055	Tumbling	4-22-97	D006	5/6/97	55 gals	97007	J.A.C

COMENTARIOS: _____

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LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
HAZARDOUS WASTE CADMIUM RAGS CONTAMINATED W/CADMIUM	97012	Welding	2-21-97	D004	3/19/97	55gal	97006	JOSE PEREZ
Waste Liquid N.O.S.9, NA 3082 PG III	97015	Tunbling	2-24-97	D006	3/19/97	55gals	97006	J.A.C.
Waste Liquid N.O.S.9, NA 3082 PG III	97017	Tunbling	2-24-97	D006	3/19/97	55gals	97006	J.A.C.
Waste Liquid N.O.S.9, NA 3082 PG III	97012	Tunbling	2-24-97	D006	3/19/97	55gals	97006	J.A.C
Waste Liquid N.O.S.9, NA 3082 PG III	97036	Tunbling	2-24-97	D006	3/19/97	55gals	97006	J.A.C
Waste Liquid N.O.S.9, NA 3082 PG III	97013	Tunbling	2-26-97	D006	3/19/97	55gals	97006	J.A.C.
CRUSHED FLUORECENT LAMPS		MAINTENANCE	3-4-97	D009	3/7/97	30GAL	97005	F. Solla
CRUSHED FLUORESCENT LAMPS		MAINTENANCE	3-4-97	D009	3/7/97	30GAL	97005	F. Solla
Waste Liquid N.O.S.9, NA 3082 PG III	97010	Tunbling	3-10-97	D006	3/19/97	55gals	97006	J.A.C
Waste Liquid N.O.S.9, NA 3082 PG III	97016	Tunbling	3-10-97	D006	3/19/97	55gals	97006	J.A.C
Waste Liquid N.O.S.9, NA 3082 PG III	97025	Tunbling	3-10-97	D006	3/19/97	55gals	97006	J.A.C
Waste Fairbail Paint/Filters (1)	—	UV Painting	3-10-97	D004	5/12/97	55gal	Classified as Non-Haz by Lab Results	MR
Waste Fairbail Paint/Filters (1)	—	UV Painting	3-10-97	D004	5/12/97	55gal	Classified as Non-Haz by Lab Results	MR
WASTE FLAMMABLE (FLUX) LIQUID	—	300/600U	3/10/97	D001	5/13/97	30GAL	97010	F. SOLLA
WATER WITH FLOOR STRIPPER FOR CARACTERIZATION (1)	—	SANITATION	3/13/97	—	5/12/97	55GAL	Classified as Non-Haz by Lab Results	F. SOLLA
FILTERS FOR CARACTERIZATION (1)	—	FACILITIES	3/10/97	—	5/12/97	55GAL	Classified as Non-Haz by Lab Results	F. SOLLA

COMENTARIOS: (1) ESTOS FUERON ANALIZADOS Y RESULTARON NO-PELIGROSOS

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LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste Liquid N.O.S.9, N/A 3082 PG III	97006	Tumbling	1-2-97	D006	2/21/97	55gals	97003	
Waste Liquid N.O.S.9, Waste Resin Solution NA 3082 PG III	97007	Coils Tumbling	1-7-97 1-14-97	D001 D006	2/21/97	55gal 55gals	97003	
Waste Liquid NOS9 NA 3082 PG III	97008	Tumbling	1-14-97	D006	2/21/97	55gals	97003	
Waste Liquid N.O.S.9, NA 3082 PG III	97009	Tumbling	1-14-97	D006	2/21/97	55gals	97003	
Waste Liquid N.O.S.9, NA 3082 PG III	97010	Tumbling	1-14-97	D006	2/21/97	55gals	97003	JAC
WASTE RAGS WITH OIL	97021	Punch Press	2/4/97	~~D006~~ NH	2/21/97	55gals	97003	J.PEREZ
Waste Rag with oil	97022 ~~9720~~	Molding	2/4/97	~~D006~~ NH	2/21/97	55gal	97003	CCC.
Waste Liquid N.O.S.9, NA 3082 PG III	97002	Tumbling	2-5-97	D006	2/21/97	55gals	97003	JAC
Waste Liquid N.O.S.9, NA 3082 PG III	97003	Tumbling	2-5-97	D006	2/21/97	55gals	97003	JAC
Waste Liquid N.O.S.9, NA 3082 PG III	97004	Tumbling	2-5-97	D006	2/21/97	55gals	97003	JAC
* Waste flamable solid, NOS (Isopropanol) PG III *	~~97005~~	Coils	2-11-97	~~D001~~	3/4/97	55GAls	97004	E.R.T
RAGS WITH OIL	97023	MOLDING	2/11/97	NH	2/21/97	55	Transferred to Non-Haz. Waste Log 97003	CCC
ABRORBENT WITH OIL	97024	MOLDING	2/11/97	NH	2/21/97	55GAL	Transferred to Non-Haz. Waste Log 97003	CCC
RO. WASTE RESIN Solution 3. UN1866 PG III	~~97005~~	Coils	2-11-97	~~D006~~ D001	3/19/97	55GAls	97006	W.M.R.
WASTE FLAMABLE SOLIDS NOS ISOPROPANOL PG III	—		2-13-97	D001	3/19/97	55gals	97006	
Rags with oil	—	Maintenance	2/11/97	NH	2/21/97	55gal	97003	

COMENTARIOS: _____

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TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Waste Liquid N.O.S.,9, NA 3082 PG III	96-96	Tumbling	11-14-96	D006	1/3/97	55gals	97001	J.A.C
Waste Liquid N.O.S.,9, NA 3082 PG III	96 97	Tumbling	11-15-96	D006	1/3/97	55gals	97001	J.A.C
~~Waste oil CONT.~~	~~96 98~~	~~Maldeo~~	~~11/19/96~~	~~D006~~		~~55gal~~		~~CCC~~
CCC 11/19/96	~~96 98~~	~~Maldeo~~	~~11/19/96~~	~~D006~~		~~55gal~~		~~CCC~~
	~~96 98~~	~~Maldeo~~	~~11/19/96~~	~~D006~~		~~55gal~~		~~CCC~~
Waste Liquid N.O.S.,9, NA 3082 PG III	96 98	Tumbling	11-19-96	D006	1/3/97	55gals	97001	J.A.C
Hazardous Waste Solid Mercury PG III N.O.S.	9699	Facilidades	11-19-96	D009	2/21/97	Cont.	97002	M.A.V.
Hazardous Waste Solid N.O.S. Mercury PG III	96 100	Facilidades	11-19-96	D009	2/21/97	Cont.	97002	M.A.V.
* Hazardous Waste Solid N.O.S. Mercury PG III	96 101	Facilidades	11-19-96	D009	*	Cont.		M.A.V.
Resina de termoset. (4)	96 102	coils	11/27/96	D001	1/3/97	10 Cal	97001	MAR
Hazardous waste Liquid N.O.S.,9, NA 3082 PG III	96 103	Tumbling	12-3-96	D006	1/3/97	55gals	97001	J.A.C
Waste Liquid N.O.S.,9, NA 3082 PG III	96 104	Tumbling	12-3-96	D006	1/3/97	55gals	97001	J.A.C
Waste Liquid N.O.S.,9, NA 3082 PG III	96 105	Tumbling	12-3-96	D006	1/3/97	55gals	97001	J.A.C
Waste Liquid N.O.S., 9, NA 3082 PG III	—	Tumbling	12-3-96	D006	1/3/97	55gal	97001	
Waste Petroleum Oil, 3, NA 1270, PG III (8)	—	—	12/3/96		1/3/97	55gal	97001	

COMENTARIOS: *Dión fué transferido 3-04-97 a dos (2) drums plásticos ("open head"), ~~porque~~ durante el recogido del 2/21/97, las lámparas se (implosion) rompieron provocando que el dión perdiera su integridad. Nuevo "profile #" (tubo vacuum) tuvo que ser procesado para permitir su recogido como "crush fluorescent lamps"

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TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Waste Liquid N.O.S.,9, NA 3082 PG III	9681	Tumbling	10-10-96	D006	11/06/96	55 gals	96023	JAC
Waste Liquid N.O.S.,9, NA 3082 PG III	9682	Tumbling	10-10-96	D006	11/06/96	55 gals	96023	JAC.
H. WAIST Solid N.O.S (Mercury) NA 3077 PG III	9683	Facilidades	10-10-96	D009	11/06/96	CONT	96022	[illegible]
H. WAIST Solid N.O.S. Mercury NA3077 PG III	9684	Facilidades	10-10-96	D009	11/06/96	Cont.	96022	[illegible]
waste liquid N.O.S.,9, NA 3082 PG III	9685	Tumbling	10-14-96	D006	11/06/96	55 gals	96023	JAC
MONOETHANOLAMINE	0034	Tool Room	10/24/96	No Peligroso		55 GAL	96023	E.B.D.
Waste Liquid N.O.S.,9, NA 3082 PG III	9686	Tumbling	10-28-96	D006	11/06/96	55 gals	96023	JAC
Waste Liquid N.O.S.,9, NA 3082 PG III	9687	Tumbling	10-28-96	D006	11/06/96	55 gals	96023	JAC.
Waste Liquid N.O.S.,9, NA 3082 PG III	9688	Tumbling	10-29-96	D006	11/06/96	55 gals	96023	JAC.
Waste Liquid N.O.S.,9, NA 3082 PG III	9689	Tumbling	10-30-96	D006	11/06/96	55 gals	96023	JAC
3.UN1866 III RO WASTE RESIN SOLUTION	9690	COILS	10/31/96	D001	11/06/96	55GAL	96023	[illegible]
RO WASTE RESIN SOLUTION 3.UN1866 III	9691	COILS	10/31/96	D001		55GAL	96023	
Waste Liquid N.O.S.,9, NA 3082 PG III	9692	Tumbling	11-6-96	D006	11/06/96	55 gals	96023	JAC
Waste Liquid N.O.S.,9, NA 3082 PG III	9693	Tumbling	11-6-96	D006	11/06/96	55 gals	96023	JAC.
Waste Liquid N.O.S.,9, NA 3082 PG III	9694	Tumbling	11-7-96	D006	1/3/97	55 gals	97001	JAC
Waste Liquid N.O.S.,9, NA 3082 PG III	9695	Tumbling	11-7-96	D006	1/3/97	55 gals	97001	JAC

COMENTARIOS: _____

ENV - VC - 078
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GE_CARIBE000896

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ X NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Waste oil and Grease	96-01	Cafeteria	10/28/95	N/A.	5/16/96	55gal.	Proteco.	M.A.
Waste Molding scrap	96-02	Molding	1/15/96	N/A.	5/16/96	55gal.	Proteco.	C.C.C. SJ.
Waste oil	96-03 103	Molding	1/15/96	N/A	5/16/96	55gal	Proteco	C.C.C. SJ.
Waste oil	96-04	Molding	1/18/96	N/A.	5/20/96	55gal.	96009	C.C.C. SJ.
solution DRAINC Water Norsol.	[illegible]-05	Drill [illegible]	1/24/96	N/A	5/16/96	55gal	Proteco 9799	C.C.C.
Waste Absorbent with oil	96-06	Punch Press	1/25/96	N/A	3/7/96	55gal	96005	JAP
Waste oil and Rags	96-07	Punch Press	1/25/96	N/A	3/7/96	55gal	96005	JAP
Waste Coolant with water	96-8	Drill and Tap	1/26/96	N/A	3/7/96	55gal	96005	JAP
STEEL GARD - WATER OIL	96-9	MANETO	1/29/96	N/A	3/7/96	55g.	96005	CR
~~Waste Rags with Paint + Alcohol~~		~~Coils~~	~~2-9-96~~	~~N/A~~		~~55GAL~~	Se cambio a Log Peligrosos.	~~WRR~~ SJ.
Waste Rags with oil	96-10	Magnetos	2/13/96	N/A.	3/7/96	55gal.	96005	SJ. CR.
Waste Rags With oil	96-16	Punch Press	2/15/96	N/A	5/16/96	55gls	Proteco.	S.L.
Rags With oil	97-	Molding	2/15/96	N/A.	5/16/96	55gal.	Proteco	C.C.C.
COOLANT SLUDGE	98-	MANETO	2/27/96	N/A.	3/7/96	55g.	96005	CRZ
Waste oil	99 ?	Molding	2/27/96	N/A	5/20/96	55gal	96009	ENR
Waste oil	100	Compresores	2/28/96	N/A	5/20/96	55gls.	96009	S.L.

COMENTARIOS: _____

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GE_CARIBE000897

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Waste Rags With oil	101	Mantenimiento	2/28/96	N/A	7/15/96	55gls	Proteco	S.L.
Waste coolant water	102	maneto	2/28/96	N/A	7/16/96	55g	96012	CR
Wate coolant water	103	maneto	2/28/96	N/A	7/16/96	55g	96012	CR
Wate coolant wate	104	maneto	2/28/96	N/A	7/16/96	55g	96012	CR
Water Oil Mat. (Material)	105	Molding	2/28/96	N/A	7/16/96	559	96012	CCC
Waste coolant water	106	maneto	2/28/96	N/A	7/16/96	559.	96012	GRV
Waste Isopal L	107	Lavado de piezas	3-8-96	N/A	6/20/96	55gals	96010	A.C.
Waste Rags-with oil	108	maneto	3-27/96	N/A	7/15/96	559	Proteco	CRV
Waste coolant water (steelgard)	109	maneto	5/1/96	N/A	7/16/96	559-	96012	CR.
Waste coolant water (steelgard)	110	maneto	5/1/96	N/A	7/16/96	55g	96012	CR
Waste Mat (Material) with oil	111	Molding	5/15/96	N/A	7/15/96	55gal	Proteco	CCC
Waste Mat with oil	112	Molding	5/15/96	N/A	7/15/96	55gal	Proteco.	CCC
Waste oil	113	Molding	5/15/96	N/A	5/20/96	55gal.	96009	Jesus Rey SO
Waste oil	114	Mantenimiento	5/15/96	N/A	5/20/96	55gal.	96009	Jesus Rey SO
Waste Filters	115	Tool room	5/15/96	N/A.	7/15/96	55gal.	Proteco	Francisco Bermudez
~~Waste steelgard~~ SO	116							

COMENTARIOS: _____

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GE_CARIBE000898

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
H. Waste solid, N.O.S. (Mercury) NA 3077, PG III	96-17	Facilidades	3/27/96	D009	4/18/96	cont.	96006	M.V.
RQ. WASTE RESIN Solution 3. UN 1866, PG III	96-18	Coils	3/28/96	D001	4/18/96	55 Gal	96008	W.M.R.
H. Waste Solid N.O.S. Mercury NA 3077 P.G. III	96-19	Facilidades	4/2/96	D001	4/18/96	Cont.	96008	M.A.V.
Waste Liquid N.O.S.; 9, NA 3082 PG III	96-20	Tunbling	4-3-96	D006	4/18/96	55 gals	96007	J.A.C.
RQ. WASTE RESINO Solution 3. UN 1866, PG III	96-21	Coils	3/12/96	D001	4/18/96	55 Gal	96006	W.M.R.
Waste Liquid N.O.S.; 9, NA 3082 PG III	96 22	Tunbling	4-10-96	D006	4/18/96	55 gals	96007	J.A.C
Waste Liquid N.O.S.; 9, NA 3082 PG III	96 23	Tunbling	4-8-96	D006	4/18/96	55 gals	96007	J.A.C.
Waste Liquid N.O.S.; 9, NA 3082 PG III	96-24	Tunbling	4-22-96	D006	6/20/96	55 gals	96010	J.A.C.
Waste Liquid N.O.S.; 9, NA 3082 PG III	96-25	Tunbling	4-22-96	D006	6/20/96	55 gals	96010	J.A.C.
~~Waste Flammable Liquid, N.O.S. 3 UN 1325, PG III~~	~~96-26~~	~~Varnishing~~	~~4/30/96~~	~~D001~~	caracterizar	~~55 gal.~~	No se logro limpiar tanque	~~S.T.~~
~~Waste Flammable Liquid, N.O.S., 3, UN 1325, PG III~~	~~96-27~~	~~Varnishing~~	~~4/30/96~~	~~D001~~		~~55 gal.~~	No se logro limpiar tanque	~~S.T.~~
Waste Liquid N.O.S.; 9, NA 3082 PG III	96 28	Tunbling	5-2-96	D006	6/20/96	55 gals	96010	J.A.C
Waste Liquid N.O.S.; 9, NA 1382 PG III	96 29	Tunbling	5-2-96	D006	6/20/96	55 gals	96010	J.A.C.
HAZARDOUS WASTE SOLID, N.O.S. (MERCURY) P.G III	9630	Facilidades	05-10-96	D00~~1~~ 9 ST	6/20/96	CONT.	96011	E.O.
HARDOUS WASTE SOLID N.O.S. (Mercury) PG III	9631	Facilidades	05-10-96	D00~~1~~ 9 ST	6/20/96	CONT.	960[illegible]	E.O.
RQ. WASTE RESINO Solutio 3. UN 1866 PG III	9632	Coils	5-2-96	D001	6/20/96	55 GALS	960[illegible]	W.M.R.

COMENTARIOS: _____

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CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
* waste Polychem 2000	117	Polychem	6-6-96	N/A	10/1/96	55gals	96021	JAC.
* Waste Coolant water	118	Magnetos	07/1/96	N/A	9/24/96	55gal	96019	S.L.
* Waste Coolant Water	119	Magnetos	7/1/96	N/A	9/24/96	55gal.	96019	S.L.
~~Waste Coolant Water~~	~~120~~	~~Magnetos~~	~~7/1/96~~	~~N/A~~		~~55gls.~~	paphi SJ.	~~S.L.~~
* Waste Coolant sludge	121	Magnetos	7/1/96	N/A		55gls.		S.L.
Waste Norsol 931	122	Quality Drilling Tap	7/1/96	N/A.	7/16/96	55gal.	96012	Hernandez SJ
* Waste absorbent with oil	123	Molding	8/7/96	N/A		55gal.		Bill Cabrera
* waste ~~Rag~~ SJ Rags with oil	124	Molding	8/7/96	N/A		55gal		C.C.C.
waste absorbent with oil	125	Molding	8/7/96	N/A		55gal		C.C.C.
waste absorbent with oil	126	Molding	8/7/96	N/A		55gal		C.C.C
waste Rags with oil	127	Prensa	8/7/96	N/A		55gal		S.L.
waste ~~scrap lead~~ Iron shaving SJ.	128	Tumbling	8-8-96	N/A		30gals		JAC.
Waste Rags with oil	129	Multislide	8-8-96	N/A		55gal.		M.C.R.
Waste Rags with oil	130	Molding	8-8-96	N/A.		55gal		C.C.C.
Absorbent with oil	131	Molding	8-19-96	N/A		55gal		CCC
Absorbent with oil	132	Molding	8/19/96	N/A		55gal		CCC.

COMENTARIOS: _____

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CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
RQ, Waste Resin solution, 3, UN 1866, PG III	96-01	Coils	1-23-96	D001	3/7/96	55gal.	96004	WMR. SJ.
H Waste solid, N.O.S. (Mercury) NA 3077, PG III	96-02	Facilidades	1-25-96	D009	4/18/96	8' conf.	96006	SJ.
H Waste Flammable solid, N.O.S Rags with solvent.	96-03	Pintura	1-25-96	F003	3/4/96	55gal.	96003	SJ
H Waste Liquid, N.O.S.; 9, NA 3082 PG III	96-04	Tumbling	1-25-96	D006	3/7/96	55g	96005	SJ. for Tomo
Waste Liquid N.O.S.; 9 NA 3082 PG III	96-05	Tumbling	1-29-96	D006	3/7/96	55gals	96005	J.A.C.
Waste Liquid N.O.S.; 9 NA 3082 PG III	96-06	Tumbling	1-30-96	D006	3/7/96	55gals	96005	J.A.C
Waste Liquid N.O.S.; 9, NA 3082 PG III	96-07	Tumbling	2-7-96	D006	3/7/96	55gals	96005	JAC
RQ. Waste de Resin Solution 3. UN 1866, PG III	96-08	Coils	2-8-96	D001 SJ.	3/7/96	55GAL	96004	WMR
Hazardous Waste Liquid N.O.S.; 9, NA 3082 PG III	96-09	Tumbling	2-12-96	D006	3/7/96	55gals	96005	J.A.C.
Waste Flammable solid, N.O.S., UN 1325, PG III	96-10	Coils	2-9-96	D001	3/4/96	55gal.	96003	WM. SJ.
Waste Liquid N.O.S.; 9, NA 3082 PG III	96-11	Tumbling	2-28-96	D006	3/7/96	55gals	96005	J.A.C.
Hazardous Waste Liquid N.O.S.; 9, NA 3082 PG III	96-12	Tumbling	3-4-96	D006	4/18/96	55gals	96007	JAC
Hazardous Waste Liquid N.O.S.; 9, NA 3082 PG III	96-13	Tumbling	3-4-96	D006	4/18/96	55gals	96007	JAC
Waste solid, N.O.S. (Mercury) NA 3077, PG III	96-14	Facilidades	3-8-96	D009	4/18/96	6' sd.	96006	SJ.
Waste Liquid N.O.S.; 9, NA 3082 PG III	96-15	Tumbling	3-14-96	D006	4/18/96	55gals	96007	JAC
Waste Liquid N.O.S.; 9, NA 3082 PG III	96-16	Tumbling	3-25-96	D006	4/18/96	55gals	96007	J.A.C.

COMENTARIOS: _____

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CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
Waste oil with coolant	96-129	Molding	7/10/96	N/A		55		Raul Cristobal
WASTE COOLANT	96130	Tool Room	7-15-96	N/A	9/24/96	55	96019	Lawrence Miguel
Steel Guard Coolant	96-131	DRill and Tap	8/20/96	N/A	10/1/96	55	96 021	Jacky Perez
METAL FINISHING COMPOUND	00692	MANeto	8/5/96	N/A		55		C. Roman
WASTE COOLANT AND WATER	00692	manneto	8/5/96	N/A	9/24/96	55	96019	C Roman
WASTE COOLANT AND WATER	00692	manneto	8/5/96	N/A	9/24/96	55	96019	C R
WASTE COOLANT AND WATER	00692	maneto	8/5/96	N/A	9/24/96	55	96019	C. R
WASTE COOLANT AND WASTER	00692	maneto	8/5/96	N/A		55		C R
~~WASTE COOLANT AND WASTER~~	~~00692~~	~~maneto~~	~~8/5/96~~	~~N/A~~	Regulated	55		~~C R~~
OILY RAGS AND DEBRIS	00692	maneto	8/5/96	N/A		55		CR
~~Waste coolant with oil~~		Piso magnetos	8/9/96	Regulated N/A	NO W storage	55	98	M.V.
Waste oil with water		Compressores	10/1/96	N/A		55		Jesus Reyes
absorbent with oil		Molding	10/2/96	N/A		55g		CCE
waste rag with oil		Molding	10/2/96	N/A		55g		CCE
waste Mat with oil		Molding	10/2/96	N/A		55g		CCE
Waste Rags With oil		Purple Press	10/10/96	N/A		55gal		S.L.

COMENTARIOS: _____

ENV - VC - 078
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GE_CARIBE000902

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ X NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
RQ. WASTE DE RESIN Solution 3. UN 1866, PG III	9633	Coils	5-13-96	D001	6/20/96	55 GAL	96011	WM
waste Liquid N.O.S.9, NA 3082 PG III	9634	Tumbling	5-13-96	D006	6/20/96	55 gal	96010	JAC
Waste Liquid N.O.S.9, NA 3082 PG III	9635	Tumbling	5-16-96	D006	6/20/96	55 gals	96010	JAC
waste Liquid NOS 9 NA 3082 PG III	9636	Tumbling	5-20-96	D006	6/20/96	55 gals	96010	JAC
waste Liquid N.O.S.9, NA 3082 PG III	9637	Tumbling	6-6-96	D006	6/20/96	55 gals	96010	JAC
waste Liquid N.O.S.9, NA 3082 PG III	9638	Tumbling	6-6-96	D006	6/20/96	55 gals	96010	JAC
waste Liquid N.O.S.9, NA 3082 PG III	9639	Tumbling	6-17-96	D006	6/20/96	55 gals	96010	JAC
waste Liquid N.O.S.9, NA 3082 PG III	9640	Tumbling	6-17-96	D006	6/20/96	55 gals	96010	JAC
RQ waste de Resin Solution 3. UN 1866 PG III	9641	Coils	6-10-96	D001	6/20/96	55 gal	96011	M.L.V.
RQ waste de Resin Solution 3. UN 1866 PG III	9642	Coils	6/12/96	D001	6/20/96	55 gal	96011	M.L.V.
waste Liquid N.O.S.9, NA 3082 PG III	9643	Tumbling	6-18-96	D006	8/7/96	55 gal.	96015	J.A.C
waste Liquid N.O.S.9, NA 3082 PG III	9644	Tumbling	6-20-96	D006	8/7/96	55 gal	96015	J.A.C
waste Liquid N.O.S.9, NA 3082 PG III	9645	Tumbling	6-24-96	D006	8/7/96	55 gal	96015	J.A.C
Waste Flamable Solids, N.O.S. (Isopropanol) 4.1 UN 1325 PG III	9646	Coils	6/26/96	D001	8/28/96	55 gal	96018	MLV
HAZARDOUS WASTE solid, NOS mercury NA 3077 PG III	9647	facilities	07/01/96	D009	8/7/96	8 c.	96013	[illegible]
RQ. WASTE DE RESIN SOLUTION 3. UN 1866, PG III	9648	Coils	7-2-96	D001	8/7/96	55-GAL	96014	WMR

COMENTARIOS: _____

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GE_CARIBE000903

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
RQ, WASTE Flammable Solid, NOS. (Alcohol) 4.1 UN 1325 PG III	9649	RAQS with alcohol Push Button	07/02/96	D001	8/28/96	55 gal	96016	Gonzalo Ortiz.
RQ WASTE Flammable Liquid (Alcohol) UN 1902 PG III	9650	Alcohol Overloads	07/18/96	D001	9/24/96 ~~8/28/96~~	30 gal	96019 ~~96016~~	
WASTE Flammable Solid NOS (Alcohol) UN 1325 PG III	9651	RAQS alcohol Overloads	07/18/96	D001	8/28/96	55 gal	96016	
RQ. WASTE DE RESIN Solution 3. UN1866, PG III	9652	Coils	7-24-96	D001 ~~D006~~	8/7/96	55 GAL	96014	WMR
waste Liquid N.O.S.; 9, NA 3082 PG III	9653	Tumbling	7-26-96	D006	8/7/96	55 gals	96015	AC
waste Liquid N.O.S.; 9, NA 3082 PG III	9654	Tumbling	7-29-96	D006	8/7/96	55 gals	96015	AC
waste Liquid N.O.S.; 9; NA 3082 PG III	9655	Tumbling	7-30-96	D006	8/7/96	55 gals	96015	AC.
Waste Liquid N.O.S.; 9, NA 3082 PG III	9656	Tumbling	7-30-96	D006	8/7/96	55 gals	96015	AC
Waste Flammable Liquid, N.O.S. 3, UN 1993, PG II	9657	varnishing	7/31/96	D001	8/7/96	55 gal.	96014	SJ.
Waste Flammable Liquid, N.O.S. 3, 1993, PG II	9658	varnish.	7/31/96	D001	8/7/96	55 gal.	96014	SJ.
Waste Flammable Solid, N.O.S. 4, UN1325 PG III	9659	varnish.	7/31/96	D001	8/28/96	30 gal	96018	SJ.
waste Liquid N.O.S.; 9, NA 3082 PG III	9660	Tumbling	8-8-96	D006	8/28/96	55 gals	96016	AC
waste Liquid N.O.S.; 9, NA 3082 PG III	9661	Tumbling	8-8-96	D006	8/28/96	55 gals	96016	AC
waste Liquid N.O.S.; 9, NA 3082 PG III	9662	Tumbling	8-8-96	D006	8/28/96	55 gals	96016	AC.
RQ. WASTE DE RESIN Solution 3. UN1866. PG III	9663	Coils	8-13-96	D001	8/28/96	55 GALS	96018	W.M.R.
CCC Absorbent. with. oil	9664	Molding	8/19/96	Drum	CCC	55 gal	Peso a no Peligroso	C.C.C.

COMENTARIOS: _____

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GE_CARIBE000904

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADOR
RQ WASTE DE RESIN SOLUTION 3.UN1866 III	9665	Coils	8-20-96	D001	8/28/96	55GALS	96018	W.M.R.
Waste Liquid N.O.S.;9, NA 3082 PG III	9666	Tumbling	8-20-96	D006	8/28/96	55gals	96016	JAC
Waste Liquid N.O.S.;9, NA 3082 PG III	9667	Tumbling	8-20-96	D006	8/28/96	55gals	96016	JAC
Waste Liquid N.O.S.;9, NA 3082 PG III	9668	Tumbling	8-20-96	D006	8/28/96	55gals	96016	JAC
Waste Liquid N.O.S.;9, NA 3082 PG III	9669	Tumbling	8-20-96	D006	8/28/96	55gals	96016	JAC
Waste Liquid N.O.S.;9, NA 3082 PG III	9670	Tumbling	8-20-96	D006	8/28/96	55gals	96016	JAC.
RQ WASTE DE RESIN SOLUTION 3.UN1866 III	9671	Coils	8-26-96	D001	10/1/96	55GAL	96020	W.M.R.
Waste Liquid N.O.S.;9, NA 3082 PG III	9672	Tumbling	8-28-96	D006	10/1/96	55gals	96021	JAC
Waste Liquid N.O.S.;9, NA 3082 PG III	9673	Tumbling	9-5-96	D006	10/1/96	55gals	96021	JAC
Waste Liquid N.O.S.;9, NA 3082 PG III	9674	Tumbling	9-14-96	D006	10/1/96	55gals	96021	JAC.
X RQ WASTE DE RESIN SOLUTION 3.UN1866 III	9675	Coils	9-19-96	D001	11/06/96	55GALS	96023	W.M.R.
Waste Liquid N.O.S.;9, NA 3082 PG III	9676	Tumbling	9-28-96	D006	10/1/96	55gals	96021	JAC
Waste Liquid N.O.S.;9, NA 3082 PG III	9677	Tumbling	9-28-96	D006	10/1/96	55gals	96021	JAC
Waste Liquid N.O.S.;9, NA 3082 PG III	9678	Tumbling	9-28-96	D006	10/1/96	55gals	96021	JAC
Waste Liquid N.O.S.;9, NA 3082 PG III	9679	Tumbling	9-28-96	D006	10/1/96	55gals	96021	JAC
X Waste Liquid N.O.S.;9, NA 3082 PG III	9680	Tumbling	10-10-96	D006	11/06/96	55gals	96023	JAC.

COMENTARIOS: _____

ENV - VC - 078
REV. 3

01/95

CARIBE GENERAL ELECTRIC CONTROLS, INC.

RECORD DE GENERACION DE DESPERDICIOS -- ____PELIGROSOS/ ___NO PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	NO. DE DRUM	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	VOL. DRUM	# MANIFIESTO	NOMBRE OPERADO
Waste Rags With oil		Punch Press	10/10/96	N/A		55gls		S.L.
waste Rags with oil		Moldeo	10/28/96	N/A		55gal		CCC.
absorbent with oil		Moldeo	10/28/96	N/A		55gal		CCC.
Waste Rags with oil		moldeo	11-19-96	N/A		55gals		CCC.
Waste Rags with oil		moldeo	11-19-96	N/A		55gals		CCC
Waste Rags with oil		moldeo	11-19-96	N/A		55gals		CCC
Waste Rags with oil		Punch Pres	11/25/96	N/A		30gals		J.P
WASTE COOLAND Finich Con Pnr		maneto	12/4/91	N/A		55g.		CK
WASTE COOLAND Finoch. Co Pn		maneto	12/4/96	N/A		55g.		CR
Derus Rags with oil		Moldeo	12/11/96	N/A		55gal		CCC.
WASTE COOLANT WITH OIL		MAGNETO	12/12/96	N/A		55gal		A.C.
Houghto Grind 40		magnet	12/16/96	NC		55gal		A-C
absorbent with oil		Moldeo	12/30/96	N/A		55gal		CCC

COMENTARIOS: _____

ENV - VC - 078
REV. 3

01/95

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

Area Almacemiento de perdicios Peligrosos

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Phenolics 257	molding Dpt.	11/13/90	Non HAZ.	3/22/91	91006	Simón Laureano
Waste Phenolics 257	molding Dpt.	11/14/90	Non HAZ.	3/22/91	91006	" "
Waste zorb-all with Phenolics And oil	molding Dpt.	11/14/90	Non-HAZ.	3/22/91	91006	" "
Waste water mix oil	molding Dpt.	11/14/90	Non HAZ.	3/22/91	91006	" "
~~Waste Water mix Phenolics~~ NO	Molding Dpt.	11/15/90	Non-HAZ.	no.	no.	" "
Waste zorb-All With Phenolic, oil	molding Dpt.	11/15/90	Non HAZ.	3/22/91	91006	" "
Warte zorb-All with Phenolic; oil	molding Dpt.	11/21/90	Non-HAZ.	3/22/91	91006	" "
Waste ZOR-All With Phenolic, oil	Molding Dpt.	11/21/90	Non HAZ.	3/22/91	91006	" "
Waste Corrosive Liquid	Plating Dpt.	11/27/90	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid	Plating Dpt.	11/27/90	D 002	1/15/91	UH 15499	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

Area Almacenamiento de perdicios Peligrosos

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Liquid	Plating Dpt.	11/27/90	D002	1/15/91	UH15499	Simón Laureano
Waste Corrosive Liquid	Plating Dpt.	11/27/90	D002	1/15/91	UH15499	" "
Waste Corrosive Liquid	Plating Dpto	11/27/90	D002	1/15/91	UH15499	" "
Waste Corrosive Liquid	Plating Dpt.	11/27/90	D002	1/15/91	UH15499	" "
Waste Corrosive Liquid	Plating Dpt.	11/27/90	D002	1/15/91	UH15499	" "
HAZARDOUS Waste Solid	Waste Treatment plant	11/28/90	F006	2/19/91	15493	" "
Waste Corrosive Liquid (Alkaline) *	Plating Dpt.	11/28/90	D002	1/31/91	15544	" "
Waste scrap With Specfom	Specfom area	11/28/90	Non-Haz.	3/27/91	91009	" "
Waste Corrosive Liquid *	Plating Dpt.	11/30/90 *	D002	1/31/91	15544	" "
Waste Poison B Solid and Liquid	Plating Dpt.	11/30/90	F007	1/29/91	15542	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Rags and Gloves with oil	Tool Room, Parts Prep, Drill and Tops, and Molding	12/6/90	Non HAZA.	2/25/91	91003	Simon Laureano
* HAZARDOUS Waste Liquid (Coting oil) 122591	Drill and Top area	12/10/90	D-008	04/09/91	91012	" "
* Phenolics 257 (used)	molding Dpt.	12/10/90	Non-HAZ.	3/22/91	91006	" "
* Zorb-All and Phenolics With oil	Molding Dpt.	12/10/90	Non-HAZ.	3/22/91	91006	" "
* Waste Corrosive Liquid (crome)	Plating Dpt.	12/11/90	D002 D007	1/15/91	UH15499	" "
* Waste Corrosive Liquid (Crome)	Plating Dpt.	12/11/90	D002 D007	1/15/91	UH15499	" "
Waste Corrosive Liquid (crome) *	Plating Dpt.	12/11/90	D002 D007	1/31/91	15544	" "
* Waste Coulant-Water mix	Spec Fam area	12/11/90	Non HAZ-	3/22/91	91009	" "
* Waste Coulant-Water mix	Spec Fam area	12/11/90	Non-HAZ.	3/22/91	91009	" "
* Waste Coulant-Water mix	Spec Fam area	12/11/90	Non-HAZ.	3/22/91	91009	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

	TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
R.	Waste Coolant - Water mix	Spec Form area	12/11/90	NON-HAZ.	3/22/91	91009	Simón haureano
R.	Waste Coolant - Water Mix	Spec Form area	12/11/90	NON-HAZ.	3/22/91	91009	" "
	Waste Rags with oil	all area -O- Dpt.	12/18/90	NON-HAZ.	2/25/91	91003	" "
R.	Waste Coolant - Water Mix	Spec Form area	12/18/90	NON-HAZ.	3/22/91	91009	" "
	ZORB-All and Phenolics with oil	molding Dpt.	1/8/91	NON-HAZ.	3/22/91	91006	" "
	ZORB-All and Phenolics with oil	molding Dpt.	1/8/91	NON-HAZ.	3/22/91	91006	" "
	ZORB-All and Phenolics with oil	molding Dpt.	1/8/91	NON-HAZ.	3/22/91	91006	" "
	ZORB-All and Phenolic with oil	molding Dpt.	1/8/91	NON-HAZ.	3/22/91	91006	" "
	ZORB-All and Phenolic with oil	molding Dpt.	1/8/91	NON-HAZ.	3/22/91	91006	" "
	ZORB-All and Phenolic with oil	molding Dpt.	1/8/91	NON-HAZ.	3/22/91	91006	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
ZORB-All and Phenolics With oil	mording Dpt.	1/8/91	Non-Haz.	3/22/91	91006	Simón Laureano
ZOR-All and Phenolic With oil	mording Dpt.	1/8/91	Non-Haz.	3/22/91	91006	" "
Waste oil	mording Dpt.	1/9/91	Non-Haz.	2/19/91	91-1001 ~~91001~~	" "
Waste Flamable Liquid (Diesel)	mording Dpt.	1/9/91	D018 ~~F008~~ D001	3/22/91	91010	" "
RQ Waste corrosive Liquid Waste Poison B Solid and Liquid	Plating Dept.	1/10/91	F-007	1/29/91	15542	" "
Rags and Gloves With oil	all Dept.	1/10/91	Non-Haz.	2/25/91	91003	" "
Scrap to the Speed fam	speed fam area	1/11/91	Non-Haz.	3/22/91	91009	" "
~~Poison B Solid (Aston 71 ok~~	~~Store Area~~	~~1/11/91~~	~~F-007~~	~~1/29/91~~	~~15542~~	" "
Waste corrosive Acid	Plating Dpt.	1/15/91	D-002	1/15/91	UH 15499	" "
Waste Corrosive acid	plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Liquid Acid	Plating Dpt.	1/15/91	D002	1/15/91	UH15499	Simón Laureano
Waste Corrosive Liquid Acid	Plating Dpt	1/15/91	D002	1/15/91	UH15499	" "
Waste Corrosive Liquid Acid	Plating Dpt	1/15/91	D002	1/15/91	UH15499	" "
Waste Corrosive Liquid acid	Plating Dpt.	1/15/91	D002	1/15/91	UH15499	" "
Waste Corrosive Liquid acid	Plating Dpt.	1/15/91	D002	1/15/91	UH15499	" "
Waste Corrosive Liquid acid	Plating Dpt.	1/15/91	D002	1/15/91	UH15499	" "
Waste Corrosive Liquid acid	Plating Dpt.	1/15/91	D002	1/15/91	UH15499	" "
Wate Corrosive Liquid Acid	Plating Dpt.	1/15/91	D002	1/15/91	UH15499	" "
Waste Corrosive Liquid acid	Plating Dpt.	1/15/99	D002	1/15/99	UH15499	" "
Waste Corrosive Liquid acid.	Plating Dpt.	1/15/99	D002	1/15/99	UH15499	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	Simón Gaurcano
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/99	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/99	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/99	D002	1/15/99	UH 15499	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Liquid alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	Simón Saurzano
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Corrosive Liquid Alkaline	Plating Dpt.	1/15/91	D002	1/15/91	UH 15499	" "
Waste Coolant-Water mix	Specfam area	1/15/91	NON HAZ	3/22/91	91009	" "
Waste Coolan-Water mix	Specfam area	1/15/91	NON-HAZ.	3/22/91	91009	" "
Water Coolant-Water mix	Specfam Area	1/15/91	NON-HAZ.	3/22/91	91009	" "
Water Coolant-Water mix	Specfam Area	1/15/91	NON-HAZ.	3/22/91	91009	" "
Waste Poison B solid	Plating Area	1/16/91	F007	91011 → 3-27-91	91011	" "

NO

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste flamable solid and Rags	plating area	1/16/91	D001 F008	1/29/91	15541	Simón haureando
Waste oil	mordinq area	1/17/91	NON-HAZ.	2/19/91	91001	" "
Waste oil NO -	mordinq area	1/17/91	NON-HAZ.	2/19/91	91001	" "
Waste Corrosive solid alkaline	plating area	1/17/91	D002	3/27/91	91011	" "
Waste Coulant-Water mix	speed Fan area	1/22/91	NON-HAZ.	3/22/91	91009	" "
Waste Coulant-Water mix	speed Fan area	1/22/91	NON-HAZ.	3/22/91	91009	" "
Waste Coulant-Water mix	speed Fan area	1/22/91	NON-HAZ.	3/22/91	91009	" "
Waste Corrosive Liquid (ALKALINE)	plating Dpt.	2/7/91	D002	2/25/91	91005	" "
Waste Corrosive Liquid (ALKALINE)	Plating Dpt.	2/7/91	D002	2/25/91	91005	" "
Waste Corrosive Liquid (ALKALINE)	Plating Dpt.	2/7/91	D002	2/25/91	91005	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste corrosive liquid Acid N.O.S. 1760	Out line 300 Plating	2-8-91	D-002	2/25/91	91005	[illegible]
Waste corrosive liquid alkaline	Ion-exchange Ion exchange regeneration	2-19-91	D-002 D-007	04/25/91	91014	[illegible]
R.Q. Waste solid N.O.S. ORM-E NA 9189	W.T.P.	2-19-91	F-006	2/19/91	15493	[illegible]
R.Q. Waste solid N.O.S. ORM-E NA 9189	W.T.P.	2-19-91	F006	2/19/91	15493	[illegible]
Waste Speedfam Sludge	Speedfam machine	2-21-91	N-H	3/22/91	91009	[illegible]
Waste oxidizer N.O.S. (P-Benzoquinone)	Storage area	2-22-91	D-001 U197	2/22/91	91004	[illegible]
Waste coolant with water	Speedfam machine	3-6-91	N-H.	3/22/91	91009	[illegible]
Waste coolant with water	"	3-6-91	N-H	3/22/91	91009	[illegible]
Waste coolant with water	"	3-6-91	N-H	3/22/91	91009	[illegible]
Waste coolant with water	"	3-12-91	N-H	3/22/91	91009	[illegible]
Waste coolant with water	"	3-12-91	N-H	3/22/91	91009	[illegible]

COMENTARIOS:

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
* Waste Flammable solid (Rags with thinner)	Paint Hood AREA.	3-16-91	Fool D-001	6/27/91	91016	GT.
Waste oil with Zorb-All solid	Molding AREA	3-18-91	N-H			GT.
* Waste Rags with oil solid	Tool Room, Plastic AREA	3-18-91	N-H.	6/27/91	91016	GT
Waste oil liquid. (steel gen. ditto)	DRILL AND TAP AREA	3-20-91	N.-H	~~6/27/91~~	~~91016~~	GT.
Waste Rags with oil	ALL AREAS.	3-28-91	N.H.	6/27/91	91016	GT
Waste corrosive liquid (ACID. HCl Mayo)	Plating.	3-28-91	D-002	4/25/91	91014	GT.
Waste corrosive liquid solution (Zn, carbon) Line Mayo	Plating.	3-28-91	D-002	4/25/91	91014	GT.
Waste corrosive liquid (Zn, Carbon) Line Mayo	Plating	3-28-91	D-002	4/25/91	91014	GT.
Waste corrosive liquid (Cz-218 Cr+6) Mayo	Plating	4-4-91	D-007 D-002	4/25/91	91014	GT.
Waste corrosive liquid (Cz-218 Cr+6)	Plating	4-4-91	D-002 D-007	4/25/91	91014	GT.

COMENTARIOS:

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Coolant liquid	Speedfam Machine	4-10-91	N-H.	6-18-91	91015	GJ.
Waste Coolant liquid	Speedfam machine	4-11-91	N-H.	6-18-91	91015	GJ.
Waste Coolant liquid	Speedfam machine	4-11-91	N-H.	6-18-91	91015	GJ
Waste Coolant liquid	Speedfam machine	4-11-91	N-H	6-18-91	91015	GJ.
Waste Coolant liquid	Speedfam machine	4-11-91	N-H.	6-18-91	91015	GJ.
Waste Rags with oil	ALL AREAS	4-11-91	N-H.	6-27-91	91016	GJ.
Waste Coolant liquid	Speedfam machine	4-15-91	N-H.	6-18-91	91015	GJ.
Waste Coolant liquid	Speedfam machine	4-15-91	N-H.	6-18-91	91015	GJ.
Waste Coolant liquid	Speedfam machine	4-15-91	N-H	6-18-91	91015	GJ.
Waste oil (R).	Molding AREA	4-28-91	N-H	6-18-91	91015	~~[illegible]~~ GJ

COMENTARIOS:

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
* Waste Corrosive material Soapcleaner	(Novcool-) Soap Plating	4-26-91	D-002	8-31-91	91-020	[illegible]
Waste oil	DRILL AND TAP AREA	4-24-91	N-H.	6-18-91	91015	[illegible]
Waste oil with Zorb-All	Molding AREA.	4-26-91	N-H.			[illegible]
Waste Flammable Liquid	TOOL ROOM (Electrocleaner)	5-3-91	D-001 F-005			[illegible]
Waste Rags with oil	ALL AREAS	5-1-91	N-H.	~~[illegible]~~	~~[illegible]~~	[illegible]
* Waste Flammable Liquid	TOOL ROOM Dirsell	5-6-91	D-001	9/23/91	91-026	[illegible]
Waste corrosive liquid acid	(Nitric acid) Plating	5-10-91	D-002	7-31-91	91-020	[illegible]
3 Waste corrosive liquid acid	(HNO_3) Plating	5-10-91	D-002	7-31-91	91-020	[illegible]
Waste Corrosive Liquid Alkaline Etching 300L	Plating	5-11-91	D-002	7-31-91	91-020	[illegible]
Waste corrosive liquid Alkaline 360L	Plating	5-11-91	D-002	7-31-91	91-020	[illegible]

COMENTARIOS:

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste oil	Molding ~~5-13-91~~	5-13-91	N-H.	8-1-91	91-021	[illegible]
4 Waste corrosive solid (Filtersni)	Plating.	5-13-91	D-002	7-31-91	91-020	[illegible]
Waste alkaline solid tube	CuCN Plating.	5-13-91	D-007 D-002	7-31-91	91-020	[illegible]
Waste Flammable liquid. 1,1,1, Trichlor	Degreaser Plating	5-13-91	D-005 F-005	6-18-91	91015	[illegible]
Waste corrosive liquid	acid copper Plating.	5-14-91	D-002	7-31-91	91-020	[illegible]
Waste oil with Zorb-All	Molding AREA	5-14-91	N-H.			[illegible]
Waste Coulant-Water mix	Spec Fam Area	5-16-91	Non-Haz.	6-18-91	91015	Simón Laureano
Waste Coulant-Water Mix	Spec Fam Area.	5-16-91	Non Haz	6-18-91	91015	" "
Waste Coulant-Water Mix	Spec Fam Area	5-16-91	Non-Haz.	8-1-91	91-021	" "
Water Coulant-Water Mix	Spec Fam Area	5-16-91	Non-Haz.	8-1-91	91-021	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Coulant scrap sludge	Spec Fam area	5-16-91	Non-HAZ	7-31-91	91-020	Simón Laureano
Waste oil	mordinq area	5-7-91	Non HAZ.	8-1-91	91-021	" "
Waste oil	mordinq area	6-7-91	Non-HAZ.	8-1-91	91-021	" "
Waste oil	mordinq area	6-7-91	Non-HAZ.	8-1-91	91-021	" "
Waste oil	mordinq area	6-7-91	Non-HAZ.	8-1-91	91-021	" "
Waste oil	mordinq area	6-7-91	Non-HAZ.	8-1-91	91-021	" "
Waste oil	mordinq area	6-7-91	Non-HAZ.	8-1-91	91-021	" "
Waste oil	mordinq area	6-7-91	Non-HAZ.	8-1-91	91-021	" "
Waste Corrosive Liquid UN	Plating DPT.	6-17-91	D002	7-31-91	91-020	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste corrosive liquid UN 1760 EPA D002	Plating Molex 1751	6-17-91	D-002	7-31-91	91-020	
Waste corrosive liquid UN 1760 EPA D002	Plating Molex 1751	6-17-91	D-002	7-31-91	91-020	
Waste corrosive liquid, UN 1760 EPA D002	Plating Molex 1751	6-17-91	D-002	7-31-91	91-020	
Waste corrosive liquid UN 1760	WTP tank Plating	6-27-91	D-002	6-27-91	91017	[illegible]
Waste corrosive liquid UN 1760	WTP tank Plating	6-27-91	D-002	6-27-91	91017	[illegible]
Waste corrosive liquid UN 1760	WTP tank Plating	6-27-91	D-002	6-27-91	91017	[illegible]
Waste corrosive liquid UN 1760	WTP tank Plating	6-27-91	D-002	6-27-91	91017	[illegible]
Waste corrosive liquid UN 1760	WTP tank Plating	6-27-91	D-002	6-27-91	91017	[illegible]
Waste corrosive liquid UN 1760	WTP tank Plating	6-27-91	D-002	6-27-91	91017	[illegible]
Waste corrosive liquid UN 1760	WTP tank Plating	6-27-91	D-002	6-27-91	91017	[illegible]

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste corrosive Liquid UN 1760	WTP Tank Plating.	6-27-91	D-002	6-27-91	91017	S.T.
Waste corrosive Liquid UN 1760	Plating	6-27-91	D-002	6-27-91	91017	S.T.
Waste corrosive Liquid UN 1760	WTP Tank Plating	6-27-91	D-002	6-27-91	91017	S.T.
Waste corrosive Liquid UN 1760	WTP Tank Plating	6-27-91	D-002	6-27-91	91017	S.T.
Waste corrosive Liquid UN 1760	WTP Tank Plating.	6-27-91	D-002	6-27-91	91017	S.T.
Waste Coolant with water	Speedform area	7-8-91	N-H.	8-1-91	91-021	S.L.
Waste coolant with water	Speedform area	7-8-91	N-H.	8-1-91	91-021	S.L.
Waste Coolant with water	Speedform area	7-8-91	N-H	8-1-91	91-021	S.L.
Waste coolant Liquid	Speedform area	7-29-91	N-H.	8-1-91	91-021	S.L
Waste coolant Liquid	Speedform area	7-29-91	N-H.	8-1-91	91.021	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Coolant WATER mix	Tool Room	7-31-91	V-16	10-29-91	91-030	S.L.
WASTE OIL	Molding	8-1-91	N-14	8-1-91	91-021	S.L.
"	Molding	8-1-91	N-14	8-1-91	91-021	S.L.
WASTE Trichloroethane 111	Plating	8-1-91	F001	8-1-91	91-021	S.L.
Waste Prism sludge	Plating	8-6-91	F017	10-22-91	91029	S.L.
Waste Borsol/waste oil	Molding	8-6-91	NH	10-22-91	91028	S.L.
" " " "	Molding	8-6-91	NH	10-22-91	91028	S.L.
" " " "	Molding	8-6-91	NH	10-22-91	91028	S.L.
" " " "	Molding	8-6-91	NH	10-22-91	91028	S.L.
" " " "	Molding	8-6-91	NH	10-22-91	91028	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Zorb-All with oil	Molding Dept.	8-6-91	N-H.	10/22/91	91-028	S. Laureano
Waste coolant - water mix	Speedram Area	8-6-91	N-H.	10/29/91	91-030	S.L.
Waste coolant mix	Speedram Area	8-6-91	N-H	10/29/91	91-030	S.L.
Waste coolant sludge	Speedram Area	8-6-92	N-H.	10/22/91	91-027	S.L.
Waste Zorb-All with oil	Molding Dept.	8-16-91	N-H.	10/22/91	91-028	S.L.
Waste Zorb-All with oil	Molding Dept.	8/16/91	N-H.	10/22/91		S.L.
Waste corrosive liquid	Plating Dept.	8/9/91	D-002	9/23/91	91025	S.L.
Waste corrosive liquid	Plating Dept.	8/9/91	D-002	9/23/91	91025	S.L.
Waste corrosive liquid	Plating Dept.	8/9/91	D-002	10/22/91	91027	S.L.
Waste Zorb-All and Phenolics	Molding Dept.	8/28/91	N-H.	9/23/91	91024	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Zorb-All and phenolics	Molding Dept.	8/28/91	N-H.	9/23/91	91024	S.L.
Waste Zorb-All and phenolics	Molding Dept.	8/28/91	N-H.	9/23/91	91024	S.L.
Waste plating sludge	Plating Dept.	8/28/91	F-006	8/29/91		S.L.
Waste Zorb-All with phenolics	Molding Area	9/4/91	N-H.	9/23/91	91024	S.L.
Waste Coolant - water mix	Speed Fan Area	9/17/91	N-H	10/29/91	91030	S.L.
Waste Coolant - water mix	Speed Fan Area	9/17/91	N-H	10/29/91	91030	S.L.
Waite Coolant - water mix	Speed Fan Area	9/17/91	N-H	10/29/91	91030.	S.L.
Waite Corrosive liquid	Plating Dept	9/17/91	D-002	10/22/91	91027	S.L.
Waite Corrosive liquid	Plating Dept	9/17/91	D-002	10/22/91	91027	S.L.
Waste Corrosive liquid	Plating Dept	9/17/91	D-002	10/22/91	91027	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Trichloroethane liquid	Planing	9/14/91	1	10/29/91	91030	S.L.
Waste oil	Mordin	9/14/91	N-H	10/29/91	91030	S.L.
Waste Corrosive liquid	Plating	9/14/91	D002	10/21/91	91-030	S.L.
Waste Zorball and Phenolics	Mordin	9/18/91	N-H	9/23/91	91024	S.L.
Waste Oil	Mordin	9/23/91	N-H	10/29/91	91030	S.L.
Waste Coolant WATER PRAIRIE	Tool Room	10/4/91	N-H	10/29/91	91030	S.L.
Waste Oil	Mordin	10/10/91	N-H	10/29/91		S.L.
Zorball Phenolics wind oil	Mordin Area	10/22/91	N-H			S.L.
" " "	Mordin Area	10/25/91	N-H			S.L.
Waste Corrosive liquid (Tubes)	Plating	11/5/91	D-002	11-21-91	91031	S.L.

COMENTARIOS:

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Liquid Chromium	Plating Dept.	11/5/91	D-002	1/28/92	92-003	S. Laureano
Waste Corrosive Liquid Nitric acid	Plating Dep.	11/11/91	D-002	1/28/92	92-003	S. L.
Waste Corrosive Liquid Nitric acid	Plating Dept.	11/11/91	D-002	1/28/92	92-003	S. L.
Waste Corrosive Liquid Soap Cleaning	Plating Dept.	11/11/91	D-002	1/28/92	92-006	S. L.
Wate Coulant Water Mix	Speed Fan area	11/11/91	Non Haz.	1/17/92	92-001	S. L.
Waste Coulant Water Mix	Spee Fan area	11/11/91	Non Haz.	1/17/92	92-001	S. L.
Waste Coulant Water Mix	Speed Fan area	11/11/91	Non Haz.	1/17/92	92-001	S. L.
Waste Coulant Water Mix	Speed Fan area	11/11/91	Non Haz.	1/17/92	92-001	S. L.
Waste Coulan Water Mix	Speed Fan area	11/11/91	Non Haz	1/17/92	92-001	S. L.
Waste Coulant Water Mix	Speed Fan area	11/11/91	Non Haz.	1/17/92	92-001	S. L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Liquid (cleaners)	Alstom	11/5/91	D-002	11-21-91	91031	S.L.
" " " "	Alstom	11/5/91	D-002	11/21/91	91031	S.L.
" " " "	Alstom	11/5/91	D-002	11/21/91	91031	S.L.
Chromium Waste Corrosive Liquid	Alstom	11/5/91	D-002	11/21/91	91002	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste solid (Sulfuric Acid Nickel Sulfate)	Plating	11/15/91	D-002	1/28/92	92002	S.L.
Waste Tin sludge	Plating	11/15/91	D002	1/28/92	92002	S.L.
Waste Tin sludge Tin	Plating	11/15/91	D002	1/28/92	92002	S.L.
Waste hydrochloric acid solution	Plating	11/15/91	D002	1/28/92	92003	S.L.
Waste Iron shavings coolant	Speed Saw Area	11/15/91	N-H.	1/28/92	92004	S.L.
Waste Iron shaving (coolant)	Speed Saw Area	11/15/91	N-H.	1/28/92	92004	S.L.
Waste Rags with thinner	Paint Area	D001 F003	D001 F003	1/28/92	92005	S.L.
Waste Rags with thinner	Paint Area	11/28/91	D001 D003	1/28/92	92005	S.L.
Waste sludge coolant	Speed Saw Area	11/15/91	N-H	1/28/92	92004	S.L.
Waste sludge coolant	Speed Saw Area	11/15/91	N-H	1/28/92	92004	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Liquid (Soap Cleaner	Plating Dept.	11-21-91	D002	11-21-91	91-031	Simin Laureano
Waste Corrosive Liquid (Soap Cleaner)	Plating Dept	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid (Soap cleaner	Plating Dept	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid (Soap Cleaner	Plating Dept.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid (Plating Dept	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid (Soap cleaner	Plating Dept.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid (Soap Cleaner	Plating Dep	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid (Soap Cleaner	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid (Soap Cleaner	Plating Dept.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid (Soap Cleaner	Plating Dept.	11-21-91	D-002	11-21-91	91-031	" "

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Liquid soap cleaner	Plating Dept.	11-21-91	D-002	11-21-91	91-031	Simón Colmenero
Waste Corrosive Liquid Soap Cleaner	Plating Dept.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid Soap Cleaner	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid Soap Cleaner	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid acid Liquid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid acid Liquid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid acid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid acid Liquid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid acid Liquid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid acid Liquid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Liquid Acid Liquid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	Simón Laureano
Waste Corrosive Liquid Acid Liquid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid Acid Liquid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid Acid Liquid	Plating Dep.	11-21-91	D-002	11-21-91	91-031	" "
Waste Corrosive Liquid Acid Liquid	Plating Dep	11-21-91	D-002	11-21-91	91-031	" "
Waste Plating Sludge	Plating Dep.	11-26-91	F-006	11-26-91	91-032	" "
Waste Plating Sludge	Plating Dep.	11-26-91	F-006	11-26-91	91-032	" "
Waste Plating Sludge	Plating Dep.	11-26-91	F-006	11-26-91	91-032	" "
Waste Coulant - Water Mix	Speed Fam area	1/16/92	Non-Haz.	1/17/92	92-001	" "
Waste Coulant - Water Mix	Speed Fam area	1/16/92	No 1 HAZ.	1/17/92	92-001	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Alkaline Liquid with Cat (Mayo Line)	Plating	11/21/91	D007 D002	1/28/92	92007	GO.
Waste Alkaline Liquid with Cat (Mayo Line)	Plating	11/21/91	D007 D002	1/28/92	92007	GO.
Waste Alkaline Liquid Cat (Mayo Line)	Plating	11/21/91	D007 D002	1/28/92	92007	GO.
Waste Rags with oil	Molding	11/25/91	N-H.	1/28/92	92008	GO.
Waste Rags with oil	Molding	11/25/91	N-H	1/28/92	92008	S.L.
Waste ~~Hydrochloric~~ Sulfuric GO acid solution	Plating	11/27/91	D002	2/27/92	92009	S.L.
Waste Rags with oil	Molding Area	11/27/91	N-H	1/28/92	92008	S.L.
Waste Rags with oil	Toolroom Area	12/02/91	N-H	1/28/92	92008	S.L.
Waste Rags with oil	Drill and tap	12/02/91	NH	1/28/92	92008	S.L.
Waste Rags with oil	Molding Area	12/07/91	N-H.	1/28/92	92008	S.L.

COMENTARIOS:

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TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste oil	Maint	1/16/92	N.H	1/17/92	92-001	S.L.
" "	"	1/16/92	N.H	1/17/92	92-001	S.L.
" "	"	1/16/92	N.H	1/17/92	92-001	S.L.
" "	"	1/16/92	"	"	"	S.L.
" "	"	1/16/92	"	"	"	S.L.
" "	"	"	"	"	"	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste alkaline solution	W.T.P.	1/28/92	D-002	1/28/92	92007	S. Laureano.
" " "	WTP.	1/28/92	D-002	1/28/92	92007	"
" " "	WTP	1/28/92	D002	1/28/92	92007	"
" " "	WTP	1/28/92	D002	1/28/92	92007	"
" " "	WTP	1/28/92	D002	1/28/92	92007	"
" " "	WTP	1/28/92	D002	1/28/92	92007	"
" " "	WTP	1/28/92	D002	1/28/92	92007	"
" " "	WTP	1/28/92	D002	1/28/92	92007	"
" " "	WTP	1/28/92	D-002	1/28/92	92007	"
" " "	WTP	1/28/92	D002	1/28/92	92007	"
Waste Alkaline solution	WTP	1/28/92	D002	1/28/92	92007	S. Laureano
Waste Alkaline solution	WTP	1/28/92	D002	1/28/92	92007	S. Laureano

COMENTARIOS:

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TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Phenolics and Zorb-All with oil ✓	molding Dep.	1/28/92	Non HAZ.	3/26/92	92-013	S. Laureano
Waste Phenolis and zorb-All with oil	mordir Dep.	1/28/92	Non HAZA	3/26/92	92-013	//
Waste Phenolic and zorb-All with oil ✓	mordinq Dep.	1/28/92	Non HAZ.	3/26/92	92-013	//
Waste Rags and Gloves With oil ✓	Drill and Tamp area	1/28/92	Non HAZ.	3/26/92	92-013	//
Waste Rags and Gloves With oil ✓	molding Dep.	1/28/92	Non HAZ	3/26/92	92-013	//
Waste Coulant Sludge ✓	speed Form area	1/28/92	Non HAZ.	3/26/92	92-013	//
Waste zorb-All-and Phenolic With oil ✓	molding area	1/29/92	Non HAZ.	3/26/92	92-013	//
Waste zor-All and Phenolic With oil ✓	molding area.	1/29/92	Non HAZ	3/26/92	92-013	//
Waste-zorb-All and Phenolic With oil ✓	molding area	1/29/92	Non HAZ.	3/26/92	92-013	//
Waste-Coulant Sluge ✓	speed Form area	1/29/92	Non HAZ	3/26/92	92-013	//

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Coulant Sludge ✓	speed Fam area	1/29/92	Non Haz.	3/24/92	92-013	Sin Gauzeen
Waste Coulant Sludge ✓	Speed Fam area	1/29/92	Non Haz.	3/26/92	92-013	"
Waste Coulant ~~With Wate~~ Water mix	speed Fam	1/29/92	Non Haz.	3/24/92	92011	"
Waste Coulant Water mix	speed Fam	1/29/92	Non Haz.	3/24/92	92011	"
Waste Coulant Water mix	Tool Room Dep.	1/29/92	Non Haz.	3/24/92	92011	"
Waste oil and Water mix	Drill and Tap.	1/30/92	Non Haz.	3/24/92	92011	"
Waste Nickel and Acid	Plating Area	5/31/92	D-002	3/25/92	92012	"
Waste Muriatic Acid ✓	plating area	2/3/92	D-002	3/26/92	92-012	"
~~Waste Contaminated Tubes ✓~~	~~plating area~~	~~2/3/92~~	~~D-002~~		~~92~~	~~GJ.~~ "
~~Waste Contaminate Tubes ✓~~	~~Plating area~~	~~2/3/92~~	~~D-002~~			~~GJ.~~ "

COMENTARIOS:

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TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste acid sludge (Plating floor)	Plating	2/3/92	D002	3/25/92	92012	S. Lameiro
Waste with oil	Drill and Tap	2/3/92	N.H.	3/24/92	92011	S.L.
Waste filter with caustic	Plating	2/3/92	D002	3/25/92	92012	S.L.
Coolant sludge	Speedform	2/3/92	N.H.	3/26/92	92-013	S.L.
Waste Coolant water mix	Speedform Area	2/8/92	N.H.	3/24/92	92011	S.L.
Waste coolant water mix	Speedform	2/8/92	N.H.	3/24/92	92011	S.L.
Waste Coolant water mix	Speedform	2/8/92	N.H.	3/24/92	92011	S.L.
Waste Tin solution	Plating	2/8/92	D002	3/26/92	92012	S.L.
Waste phenolics with oil	Molding	2/8/92	N.H.	3/25/92	92013	S.L.
Waste Dron shavings	Speedform	2/8/92	N.H.	3/25/92	92013	S.L.

COMENTARIOS: _____

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TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste Tin Plate Acid Solution	Plating area	2/8/92	D-002	2/27/92	92-009	S. Laureano
Hazardous Waste Tin Plate Acid Solution	Platin area	2/8/92	D-002	2/27/92	92-009	"
Hazardous Waste Tin Plate Acid Solution	Platin area	2/8/92	D-002	2/27/92	92-009	"
Hazardous Waste Tin Plate Acid Solution	Plating area	2/8/92	D-002	2/27/92	92-009	"
Hazadous Waste Tin Plate Acid Solution	Platin area	2/8/92	D-002	2/27/92	92-009	"
Hazardous Waste Acid Copper Solution	Plating area	2/8/92	D-002	2/27/92	92-009	"
Hazardous Waste Acid Copper Solution	Plating area	2/8/92	D-002	2/27/92	92-009	"
Hazardous Waste Acid Copper Solution	Plating area	2/8/92	D-002	2/27/92	92-009	"
Hazardous Waste Acid Copper Solution	Plating area	2/8/92	D-002	2/27/92	92-009	"
Hazardous Waste ~~Chromium and Cadmium~~ sodo	Platin area	2/8/92	D-002	2/27/92	92-009	"

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste Nitric Acid	Plating Area	2/11/92	D-002	3/26/92	92-012	S. Laureano
Hazardous Waste Nitric Acid	Plating area	2/11/92	D-002	3/26/92	92-012	"
Hazardos Waste Chromium and Caustic Mix	Plating area	2/11/92	D-002	2/27/92	92-009	"
Hazardous Waste Trichloroethane III	Plating area	2/11/92	F-001	3/24/92	92011	"
~~Hazardous Waste Filters with Cyanide~~ (Poison)	Plating area	~~2/11/92~~				no era Cianuro era Tin Sludge
Hazardous Waste Trichloroethane III	Plating area	2/17/92	F001	3/24/92	92011	"
Waste oil	Plating area	2/17/92	Non Haza.	3/24/92	92011	"
Hazardous Waste Tin Sludge With Acid	Plating area	2/18/92	D-002	2/27/92	92-010	"
Hazardous Waste ~~Tin~~ Trichloroethane III	Plating area	2/18/92	F001	3/24/92	92011	"
Waste oil	Plating area	2/25/91	Non Haza.	3/24/92	92011	"

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste zinc wit acid	Plating area	2/27/92	D-002	2/27/92	92-009	Simón Laureano
Hazardous Waste Zinc - With Acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste-Zinc-With Acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste-zinc-With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste zin-With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste-Zinc With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste-zinc With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste-zinc With acid	Plating area	2/27/92	D0-002	2/27/92	92-009	" "
Hazardous Waste Zinc with acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste Zinc With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste With Acid	Plating area	2/27/92	D-002	2/27/92	92-009	Simón Navarro
Hazardous Waste Zinc With Acid	Plating area	2/27/92	D002	2/27/92	92009	" "
Hazardous Waste-Zinc With Acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste-Zinc With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste Zinc With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste Zinc With Acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste Zinc With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste Zinc With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste Zinc With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "
Hazardous Waste Zinc With acid	Plating area	2/27/92	D-002	2/27/92	92-009	" "

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste Zinc with acid	Plating Area	2/27/92	D002	2/27/92	92009	S. Laureano
Hazardous Waste Zinc with acid	Plating Area	2/27/92	D002	2/27/92	92009	"
Hazardous Waste Zinc with acid	Plating Area	2/27/92	D002	2/27/92	92009	"
Waste Coolant mix	Speedram Area	2/27/92	NH	3/24/92	92011	"
Waste coolant mix	Speedram Area	2/27/92	NH	3/24/92	92011	"
Waste coolant mix	Speedram Area	2/27/92	NH	3/24/92	92011	"
Waste coolant mix	Speedram Area	2/27/92	NH	3/24/92	92011	"
Waste coolant mix	Speedram Area	2/27/92	NH	3/24/92	92011	"
~~Waste alkaline solution~~	~~Plating~~ 95					

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Rags and Gloves With Oil	Tool Room	3/2/92	Non Haz	3/26/92	92-013	S. Laureano
Rags and Gloves With oil	Molding Area	3/2/92	Non Haz	3/26/92	92-013	" "
Rags and Gloves With oil	Drill and Tap areas	3/2/92	Non Haz	3/26/92	92-013	" "
Hazardous Waste acid Solution	Plating area	3/2/92	D-002	3/26/92	92-012	" "
Hazardous Waste acid Solution	Plating area	3/2/92	D-002	3/26/92	92-012	" "
Waste coolant with water	Speedram Area	3/2/92	NH	3/24/92	92011	S. L.
Waste coolant with water	Speedram Area	3/2/92	NH	3/24/92	92011	S. L.
Waste coolant with water	Speedram Area	3/2/92	NH	3/24/92	92011	S. L.
Waste acid sludge (floor)	Pleating	3/9/92	D002	6/5/92	92020	S. L.
Waste acid sludge (floor)	Pleating	3/9/92	D002	6/5/92	92020	S. L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste alkaline solution	Plating area	3/28/92	D-002	3/25/92	92-014	S. Cameron
Hazardous Waste alkaline solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste Solution Alkaline	Plating area	3/28/92	D-002	3/30/92	92-015	S. Lameiro
Hazardous Waste Solution Alkaline	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Solution Alkaline	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Solution Alkaline	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.
Hazardous Waste Alkaline Solution	Plating area	3/28/92	D-002	3/30/92	92-015	S. L.

COMENTARIOS: Por equivocación simón se equivoco en la fecha de embarque y # de Manifiesto. El es 3/30/92 y 92015

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	Simón
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	" "
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	" "
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	" "
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	" "
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	" "
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	" "
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	" "
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	" "
Hazardous Waste Acid Solution	Plating area	3/28/92	D-002	3/30/92	92-015	" "

COMENTARIOS: Por error Simón escribió el # de manifiesto y día incorrecto. LAM

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Acid solution	Plating area	3/28/92	D002	3/30/92	92015	S. Lam.
Waste Acid solution	Plating area	3/28/92	D002	3/30/92	92015	"
Waste Alkaline solution	Plating area	3/28/92	D002	3/30/92	92015	"
Waste phenolics	Molding	3/29/92	N.H.	5/28/92	92016	"

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Coulant With Water	Drill and Tap	4/4/92	Non Haza-	6/2/92	92-018	Si mon haurean
Coulant With Water	Drill and Tap	4/4/92	Non Haz.	6/2/92	92-018	" "
~~Hazardous Waste Trichloroethane III~~	Plating area	4/4/92	~~Non~~ F001	6/2/92	92-018	S.L.
Waste Trichloroethane III	Plating area	4/4/92	~~Non~~ F001	6/2/92	92-018.	S.L.
Waste Trichloroethane III	Plating area	4/4/92	~~Non~~ F001	6/2/92	92-018	S.L.
Waste Cromic Acid	Plating area	4/4/92	~~Non~~ D002	6/5/92	92-019	S.L.
Waste Cromic Acid	Plating area	4/4/92	~~Non~~ D002	6/5/92	92-019	S.L.
Waste Cromic Acid	Plating area	4/4/92	~~Non~~ D002	6/5/92	92-019	S.L.
Waste Cromic Acid	Plating area	4/4/92	D002	6/5/92	92-019	S.L.
Waste Cromic Acid	Plating area	4/4/92	D002	6/5/92	92-019	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Cromic Acid	Platina Area	4/4/92	D-002	6/25/92	92021	S.L.
~~Waste Phenolics Area Compounds~~ ~~Waste Acid and Carbon Activate Solution~~	Molding area	4/4/92	D-002	5/28/92	92-017	S.L.
ZORB-All, Phenolics with oil	molding area	4/11/92	Non HAZ-	5/28/92	92-016	S.L.
ZORB-All, Phenolics With oil	molding area	4/11/92	Non HAZ.	5/28/92	92-016	S.L.
Coulant Sludge	speed Form	4/11/92	Non HAZ	5/28/92	92-017	S.L.
Waste Coulant Water mix	speed Form area	4/11/92	Non HAZ	6/2/92	92-018	S.L.
Waste Coulant Water mix	speed Form area	4/11/92	Non HAZ	6/2/92	92-018	S.L.
Waste Coulant Water mix	speed Form area	4/11/92	Non HAZ	6/2/92	92-018	S.L.
Water Coulant Water mix	speed Form area	4/11/92	Non HAZ	6/2/92	92-018	S.L.
Waste Coulant Water mix	Drill and Top area	4/11/92	Non HAZN	6/2/92	92-018	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Coolant Water Mix	Drill and Tap area	4/21/92	Non Haz	6/2/92	92-018	S.L.
Zorb-All Phenolics with oil	Machining Dep.	4/25/92	Non Haz	5/28/92	92-016	S.L.
Rags with oil	Machining Dep.	4/25/92	Non Haz	5/28/92	92-016	S.L.
ZORB All with oil	Machining Dep.	4/25/92	Non Haz	5/28/92	92-016	S.L.
ZORB All With oil	Machining Dep.	4/25/92	Non Haz	5/28/92	92-016	S.L.
Coolant Water mix	Speed Form area	4/25/92	Non Haz	5/28/92	92-016	S.L.
Alkaline Solution	Plating area	4/25/92	~~Non~~ D-002	5/28/92	92-017	S.L.
Hazardous Waste acid Solution	Plating area	4/25/92	D-002	5/28/92	92-017	S.L.
Hazardous Waste acid Solution	Plating area	4/25/92	D-002	6/5/92	92-020	S.L.
Hazardous Waste Acid Solution	Plating area	4/25/92	D-002	6/5/92	92-020	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste Flamable Solid (Linea willie)	~~Plating area~~	4/25/92	F005	6/5/92	92-020	S.L.
Hazardous Waste Flamable Solide (Linea willie)		4/25/92	F005	6/5/92	92-020	S.L.
Hazardous Waste Alkaline Solution	Plating area	4/25/92	D-002	5/28/92	92-017	S.L.
Hazardous Waste Alkaline Solution	plating area	4/25/92	D-002	6/5/92	92-019	S.L.
ZORB-All, Phennolics with oil	molding area	4/25/92	Non Haz	5/28/92	92-016	S.L.
ZORB-All, Phennolics with oil	molding area	4/25/92	Non Haz.	5/28/92	92-016	S.L.
Coulant Sludge	Speed Form	4/25/92	Non Haz	5/28/92	92-016	S.L.
Wastes oil	molding area	4/25/92	Non Haz.	6/2/92	92-018	S.L.
Waste oil	molding area	4/25/92	Non Haz	6/2/92	92-018	S.L.
Rags, Globes with oil	molding area	4/28/92	Non Haz	6/2/92	92-018	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste oil	Molding.	4/28/92	N.H.	6/2/92	92018	S.L.
Waste oil	tool room	4/28/92	N.H.	6/2/92	92018	S.L.
Waste oil	Molding	4/28/92	N.H.	6/2/92	92018	S.L.
Waste Flammable solid	Coils	4/28/92	D001	6/25/92	92022	S.L.
Waste Flammable solid	coils	4/28/92	D001	6/25/92	92022	S.L.
RQ. Waste Copper Cyanide	Plating	4/29/92	F007	6/25/92	92023	S.L.
RQ Waste Copper Cyanide	Plating	4/29/92	F007	6/25/92	92023	S.L.
RQ Waste Copper Cyanide	Plating	4/29/92	F007	6/25/92	92023	S.L

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Coualant Water Mix	Speed Form	5/26/92	Non Haza-	6/2/92	92-018	S.L.
Waste Coulant Water Mix	Speed Form	5/26/92	Non Haz-	6/2/92	92-018	S.L.
Waste Coulant Water Mix	Speed Form	5/26/92	Non Haza.	6/2/92	92-018	S.L.
Waste Coulant Water Mix	Speed Form	5/26/92	Non Haza-	6/2/92	92-018	S.L.
Waste Coulant Water Mix	Speed Form	5/26/92	Non Haza-	6/2/92	92-018	S.L.
Waste Coulant Water Mix	Speed Form	5/26/92	Non Haza-	6/2/92	92-018	S.L.
Waste Coulant Water Mix	Speed Form	5/26/92	Non Haza-	6/2/92	92-018	S.L.
Waste Oil	Molding Area	5/26/92	Non Haz:	6/2/92	92-018	S.L.
Hazardous Waste Flamable Solid	Coil Area	5/27/92	D-001	6/5/92	92-020	S.L.
Waste Phenolics, 20AB-A11 with oil	Molding Area	5/27/92	Non Haza-	5/28/92	92016	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Coolant Water mix	Speed Fam	6/2/92	Non HAZ.	6/2/92	92018	S. Lauvan
Hazardous Waste Liquid Solution (Alkalina	Plating area.	6/5/92	D-002	6/5/92	92-019	"
Hazardous Waste Liquid Solution (Alkaline	Plating area	6/5/92	D-002	6/5/92	92-019	"
Waste ZORB-All and Phenolics With oil	Mording area	6/8/92	Non HAZA			[illegible]
Waste ZORB-All and Phenolics With oil	Mording area	6/9/92	Non HAZA			[illegible]
Waste Rags, Gloves with oil	Mording area	6/9/92	Non-HAZA.			[illegible]
Hazardous Waste Trichloroethane III	Plating area	6/15/92	F-001			[illegible]
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	S. Lauvano
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	"
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	"

COMENTARIOS:

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO:

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste Alkaline Liquid	Plating Area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Alkaline Liquid	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Chrome acid	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Acid Liquid (chrome)	Plating area	6/24/92	D-002	6/25/92	92021	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Hazardous Waste Liquid acid (Crome)	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Liquid Acid Crome	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Liquid Acid (crome)	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Liquid acid (crome)	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Liquid acid (crome)	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Liquid acid crome	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Liquid acid (Crome)	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Liquid acid (crome)	Plating area	6/24/92	D-002	6/25/92	92021	S.L.
Hazardous Waste Liquid acid	Plating	6/24/92	D-002	6/25/92	92021	S.L.
Waste solid (nickel sulfate)	Plating	6/24/92	D-002	7/30/92	92024	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Alkaline solution	Plating	7/30/92	D002	7/30/92	92024	S. Laureano
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
Waste Alkaline Liquid solution	"	7/30/92	D002	7/30/92	92024	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Alkaline Liquid	Plating	7/30/92	D002	7/30/92	92024	S Lamen
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
" " "	"	7/30/92	D002	7/30/92	92024	S.L.
Waste Alkaline Liquid	"	7/30/92	D002	7/30/92	92024	S.L.

COMENTARIOS: _____

LUIS A. MORAN

RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Alkaline solution	Plating	7/30/92	D002	7/30/92	92024	S.L.
" " "	Plating	7/30/92	D002	7/30/92	92024	S.L.
" " "	Plating	7/30/92	D002	7/30/92	92024	S.L.
Waste Chromium (Raw material)	Plating	7/30/92	D007	7/30/92	92024	S.L.
" " " "	Plating	7/30/92	D007	7/30/92	92024	S.L.
Waste solid Chromium	Plating	7/30/92	D007	7/30/92	92024	S.L.
Waste solid Chromium	"	7/30/92	D007	7/30/92	92024	S.L.
" " "	"	7/30/92	D007	7/30/92	92024	S.L.
" " "	"	7/30/92	D007	7/30/92	92024	S.L.
" " "	"	7/30/92	D007	7/30/92	92024	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Alkaline solution	Plating	7/30/92	D002	7/30/92	92026	S.L.
" " "	"	7/30/92	D002	7/30/92	92026	S.L.
" " "	"	7/30/92	D002	7/30/92	92026	S.L.
Waste Iron Shaving	Speedform	7/30/92	N.H	7/30/92	92026	S.L.
Waste Iron Shaving	"	7/30/92	N.H.	7/30/92	92026	S.L.
Waste Cyanide sludge	Plating	7/31/92	~~D~~ RDR D007	8/24/92	92027	S.L.
Waste Alkaline solution	"	7/31/92	D002	8/24/92	92029	S.L.
" " "	"	7/31/92	D002	8/24/92	92029	S.L.
" " "	"	7/31/92	D002	8/24/92	92029	S.L.
" " "	"	7/31/92	D002	8/24/92	92029.	S.L.
Waste Alkaline liquid	Plating	7/31/92	D002	8/24/92	92029.	

COMENTARIOS:

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Alkaline solution	Plating	8/4/92	D002	8/12/92	92025	S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
Waste Alkaline solution	Plating	8/4/92	D002	8/12/92	92025	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Alkaline solution.	Plating	8/4/92	D002	8/12/92	92025	S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
Waste Alkaline solution	Plating	8/4/92	D002	8/12/92	92025	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSO

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Acid solution	Plating	8/4/92	D002	8/12/92	92025	S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
" " "						S.L.
Waste Acid solution	Plating	8/4/92	D002	8/12/92	92025	S.L.
Waste Alkaline Liquid	"	8/30/92	D002	8/30/92	92026	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste- Solid (Chromium)	Plating	8-6-92	D007	08/20/92	92028	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste solid (chromium)	Plating	8-6-92	D007	08/24/92	92028	S.L
Waste Coolant / Water	Plating	8-8-92	N-H	08/24/92	92028	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Coolant / water	Plating	8-8-92	N.A	08/24/92	92028	S.L
" "	"	"		"	"	S.L
" "	"	"		"	"	S.L
Waste Solid (Chromium)	Plating	8-9-92	D007	08/24/92	92030	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
" "	"	"	"	"	"	S.L
Waste Corrosive Solid	Plating	8-11-92	D002	08/24/92	92030	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Solid	Plating	8-11-92	D002	08/24/92	92030	S.L
" " "	"	"	"	"	"	S.L
Waste Alkaline Liquid (chromium)	Plating	8-8-92	D002	08/24/92	92030	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
Waste Absorbents with Petroleum	Plating	8-6-92	N.A	08/24/92	92031	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Absorbents w/ Petroleum	Plating	8-6-92	N.A	8/24/92	92031	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
Waste Corrosive Solid (Chromium)	Plating	8-9-92	D002	8/24/92	92030	S.L

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Corrosive Solid (Chromium)	Plating	8-9-92	D002	8/24/92	92030	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
Waste Alkaline (Chromium)	Plating	8-9-92	D002	8/24/92	92030	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
Waste Epoxy Resin	Coils	8/6/92	N-77	8/24/92	92029	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Solid (Ammonium cl)	Plating	8/6/92	D-002	9/17/92	92032	S.L
Waste Ammonium bifluoride	"	8/9/92	D002	9/17/92	92032	S.L
Waste Sodium Hydroxide	"	8/10/92	D002	9/17/92	92032	S.L
Waste Acetone	Produccion	8/12/92	D001	9/17/92	92033	S.L
Waste Alkaline liquid	Plating	8/12/92	D002	9/17/92	92034	S.L
Waste Alkaline liquid	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
Waste Solid (Aluminum Sulfate)	"	8/13/92	F006	9/24/92	92035	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Solid (Aluminum Sulfate)	Plating	8/13/92	F006	9/24/92	92035	S.L
" " "	"	"	"	"	"	SL
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
Waste 1,1,1, Trichloroethane	Degreaser ~~Plating~~	8/14/92	F001	9/30/92	92036	S.L
" " "	Degreaser	8/14/92	F001	9/30/92	92036	S.L
Waste Solid N.O.S. (Chromium)	Plating WTP	8/16/92	D007	9/31/92	92037	S.L
Waste Solid N.O.S (Nickel Sulfate)	Raw Mat	8/16/92.	D006-E	9/30/92	92037	S.L
Waste Solid N.O.S (Chromium)	WTP	8/16/92	D007	9/30/92	92037	S.L
" " " "	WTP	"	"	"	"	SL.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROS

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Solid N.O.S. (Chromium)	WTP	8/16/92	D007	9/30/92	92037	S.L
Waste Alkaline Liquid N.O.S.	WTP	8/17/92	D002	9/30/92	92037	S.L
Waste Coolant/Water	Spent from	8/18/92	N.A	9/30/92	92037	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
" " "	"	"	"	"	"	S.L
Waste Trichloroethane 1,1,1	Degreaser	8/19/92	F001	9/30/92	92036	S.L
Waste Trichloroethane 1,1,1	Degreaser	8/19/92	F001	9/30/92	92036	S.L

COMENTARIOS:

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Cyanide solution, 6.1, UN 1935 #1	Planta Tratamiento	9/10/92	F005	9/30/92	92-038	Simón Laureano
Waste Cyanide solution, #1	Planta tratamiento	9/10/92	F005	9/30/92	92-038	" "
Waste Cyanide solution #1	" "	9/10/92	F005	9/30/92	92-038	" "
Waste Cyanide solution #1	" "	9/10/92	F005	9/30/92	92-038	" "
Waste Cyanide solution #1	" "	9/10/92	F005	9/30/92	92-038	" "
Waste Cyanide, inorganic, N.O.S,	" "					
solid, #2.		9/10/92	F005	9/30/92	92038	" "
Waste solids, N.O.S. (Chromium)	Planta tratamiento	9/12/92	D007	9/30/92	92039	" "
Waste chromic acid soln.	" "	9/12/92	D002 D007	9/30/92	92039	S.L.
Waste Chromic acid soln.	" "	9/12/92	D002 D007	9/30/92	92039	S.L.
RQ, Waste copper soln.	Plating	8/29/92	D002	9/30/92	92039	S.L.
RQ, Waste flammable solid, N.O.S.	Paint	9/2/92	D001	9/30/92	92040	S.L.
Waste oil	Molding	9/6/92	N.H	9/30/92	92041	S.L.
Waste oil	Compresores	9/6/92	N.H.	9/30/92	92041	S.L.
Waste oil	Compresores	9/6/92	N.H	9/30/92	92041	S.L.
Waste oil	Compresores	9/6/92	N.H.	9/30/92	9204	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

desde Agosto 92 92041

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste oil	Mantenimiento	9/6/92	N.H.	9/30/92	92041	S.L.
Waste oil	Mantenimiento	9/4/92	N.H.	9/30/92	92041	S.L.
Waste 1,1,1,trichloroethane	Degreaser	10/4/92	F001	11-30-92	92042	S.L.
Waste Paint related Material	(Thinner)	10/4/92	D001	12-3-92	92053	S.L.
Flammable Liquid	Paint	10/15/92	D001	11-30-92	92047	S.L.
Waste oil	Molding	10/2/92	N.H.	11-16-92	92043	S.L.
Waste coolant with water	speedfam	10/2/92	N.H.	11-16-92	92042	S.L.
Waste coolant with water	"	10/2/92	N.H.	11-16-92	92042	S.L.
Waste 1,1,1,trichloroethane	Degreaser	10/4/92	F001	11-30-92	92046	S.L.
Waste 1,1,1, trichloroethane	"	10/4/92	F001	11-30-92	92046.	S.L.
Waste coolant with water	Speedfam	10/2/92	N.H	11-16-92	92042.	S.L.
Waste coolant with water	Speedfam	10/2/92	N.H.	11-16-92	92042	S.L.
Waste corrosive solids, n.o.s. #10	Plating.	9/17/92	D002	11-16-92	92044	S.L.
Waste corrosive solids, n.o.s. #10	"	9/17/92	D002	11-16-92	92044	S.L.
Waste chromic acid solid	Plating.	9/16/92	D007	11-16-92	92044	S.L.
Waste corrosive solids, n.o.s.	"	9/11/92	D002	11-16-92.	92044	S.L.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Rags with oil	Molding.	9/16/92	N.H.	11-30-92	92048	S.C.
Waste chromic acid solids.	Plating	9/16/92	D-007	11-16-92	92044.	S.C.
Waste absorbent with oil	Molding	9/18/92	N.H	11-16-92	92043	S.C.
Waste Iron shavings	Speedfam	9/18/92	N.H.	12-30-92	92051	S.C.
"	"	9/18/92	N.H.	12-30-92	92051	S.C.
"	"	9/18/92.	N.H.	12-30-92	92051	S.C.
Waste corrosive solids, N.O.S.	Plating	10/12/92	D002	11-16-92	92044	S.C.
Waste chromic acid, solid	"	10/2/92	D007	11-16-92	92044	S.C.
Waste chromic acid, solid	"	10/2/92	D007	11-16-92	92044	S.C.
" " " "	"	10/2/92	D007	11-16-92.	92044	S.C.
Waste corrosive solid, N.O.S.	"	9/11/92	D002	12-30-92	92051	S.C.
Waste chromic acid, solid.	"	10/2/92	D007	12-30-92	92051	S.C.
Waste chromic acid, solid	"	10/2/92	D007	12-30-92	92051	S.C.
Waste Flammable solid, N.O.S.	Painting ~~Coils~~	10/22/92	D001	12-30-92	92051	S.C.
Waste Flammable solid, N.O.S.	Coils.	10/23/92	D001	12-30-92	92051	S.C.
Waste chromic acid, solution	Plating.	10/2/92	D007	11-16-92	92044	S.C.

COMENTARIOS: _____

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Hydrochloric acid, soln	Plating.	10/12/92	D002	11-16-92	92044	S.L.
Waste Hydrochloric acid soln	Plating	10/12/92	D002	11-16-92	92044	S.L.
Waste Chromic acid, solution	Plating	9/18/92	D007	11-16-92	92044	S.L.
Waste Filter media solid	Plating	9/20/92	N.H	11-16-92	92042	S.L. se envase en otros dos drones.
Waste Filter media solid	Plating	9/20/92	N.H.	11-16-92	92042	S.L.
Waste Filter media solid	Plating	9/20/92	N.H.	11-16-92	92042	S.L.
Waste Rags with oil	Mantenimiento	10/2/92	N.H.	11-30-92	92048	S.L.
Waste absorbent with oil	Molding	10/2/92	N.H.	11-16-92	92043	S.L.
" " " "	Molding	10/5/92	N.H.	11-16-92	92043	S.L.
" " " "	Molding	10/12/92	N.H.	11-16-92	92043	S.L.
Waste Rags with oil	Prensas	10/9/92	N.H	11-30-92	92048	S.L.
Waste absorbent with oil	Molding	10/12/92	N.H	11-30-92	92048	S.L.
Waste absorbent with oil	Molding	10/12/92	N.H.	11-30-92	92048	S.L.
Waste absorbent with oil	~~Mol~~ Dinc	10/20/92	N.H.	11-30-92	92048	S.L.
Waste absorbent with oil	Tool room	10/22/92	N.H.	11-30-92	92048	S.L.
Waste Rags with oil	Plastico	10/22/92	N.H.	11-30-92	92048	S.L.

COMENTARIOS: _____

_____

IV - VC - 078
V. 0

09/92

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste absorbent with oil	Molding	10/23/92	N.H.	11-30-92	92048	S.C.
Waste PVC tube	Plating	10/22/92	N.H.	10/22/92	112437	S.C.
Waste PVC tube	Plating	10/22/92	NH.	10/23/92	112436	S.C.
Waste Rags with oil	Magnetos Molding	10/26/92	NH	11-30-92	92048	S.C.
Waste Coolant with Water	Drill and tap area	10/26/92	NH	11-16-92	92042	S.C.
Waste Coolant With Water	Drill and Tap area	10/26/92	N.H.	12-17-92	92049	S.C.
Waste Oil with ZORB-All	molding area	10/26/92	N.H.	12-17-92	92049	S.C.
Waste Cromic acid Solution	W.T. Plant	10/27/92	D-007	12-30-92	92052	S.C.
Waste ZORB-All with oil	molding area	11/2/92	N.H	11-30-92	92048	SC.
Waste ZORB-All with oil	mordin area	11/2/92	N.H	11-30-92	92048	S.C.
Waste ZORB-All with oil	mordin areano	11/2/92	N.H	11-30-92	92048	S.C.
Waste ZORB-All with oil	molding area	11/4/92	N.H	11-30-92	92048	S.C.
Waste Rags with oil	Drill and Tap, molding areas	11/4/92	N.H	11-30-92	92048	S.C.
Waste Coolant with Water	Speed Form area	11/19/92	N.H	12-17-92	92049	S.C.
Waste Coolant With Water	Speed Form area	11/19/92	N.H	12-17-92	92049	S.C.
Waste Coolant sludge	Speed Form area	11/19/92	N.H	12-17-92	92049	S.C.

COMENTARIOS: _____

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS hasta aqui

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste oil	molding area	12/1/92	N.H.	12-17-92 ~~11-16-92~~	92049 ~~92043~~	S.C. ~~S.C.~~
Waste ZORB-All with oil	molding area	12/1/92	N.H.	12-17-92	92049	S.C.
Waste Coolant with Water	speed Foam area	12/9/92	NH	12-17-92	92049	S.C.
Waste Coolant With Water	Speed Foam area	12/9/92	NH	12-17-92	92049	S.C.
Waste Coolant With Water	spee Foam area	12/9/92	N.H	12-17-92	92049	S.C.
Waste Plating Sludge	W.T. Plant area	12/9/92	D002	12-30 92	92051	
Waste Plating Sludge	W.T. plant area	12/9/92	D002	12-30 92	92051	
Waste Plating Sludge	W.T. Plant are	12/9/92	D002	12-30 92	92051	
Waste Coolant with Water	speed Foam area.	12/9/92	N.H	12-17-92	92049	
Waste oil	Compressores Area.	12/11/92	N.H	12-17 92	92049	S.C.
~~Waste~~ Chromic acid Solid	Plating area	12/11/92	D-007	12-30 92	92052	S.C.
Waste Chromic Acid Solid	Plating area	12/11/92	D-007	12-30-92	92052	S.C.

COMENTARIOS: _____

IV - VC - 078
V. 0

09/92

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste oil	molding area	2/23/93	N.H	3/8/93	93002	S.L.
Waste oil	mordinq area	2/23/93	N.H	3/8/93	93002	S.L.
Waste oil	mordinq area	2/23/93	N.H	3/8/93	93002	S.L.
Waste oil	mordinq area	2/23/93	N.H	3/8/93	93002	S.L.
Waste oil	mordinq area	2/23/93	N.H	3/8/93	93002	S.L.
Waste ZOR-All with oil	mordinq area	2/23/93	N.H	3/9/93	93003	S.L.
Waste ZORB-All with oil	mordinq area	2/23/93	N.H	3/9/93	93003	S.L.
Waste ZORB-All with oil	mordinq area	2/23/93	N.H.	3/9/93	93003	S.L.
Waste ZORB-All with oil	mordinq area	2/23/93	N.H	3/9/93	93003	S.L.
Waste Rags with oil	All Dep.	2/23/93	N.H	3/9/93	93004	S.L.
Waste coolant sludge	speed Form area	3/4/93	N.H	4/7/93	93-007	S.L.
Waste oil	molding area	3/4/93	NH	3/8/93	93002	S.L.
Waste oil	molding area	3/7/93	N.H.	4/5/93	93-006	S.L.
Waste oil	molding are	3/7/93	N.H	4/5/93	93-006	S.L.
Waste oil	mordinq area	3/7/93	NH	4/5/93	93-006	S.L.
Waste oil	molding area	3/7/93	NH	4/5/93	93-006	S.L.

COMENTARIOS: _____

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Flamable Solid	molding area	2/18/93	D-001	3/8/93	93 004	S.L.
Waste Flamable Solid	molding area	2/18/93	D-001	3/8/93	93 004	S.L.
Waste Flamable Solid	molding area	2/18/93	D-001	3/8/93	93 004	S.L.
Waste Solvent 111	magnets area	2/24/93	F001	3/8/93	93 002	S.L.
Waste Solvent 111	magnets area	2/24/93	F001	3/8/93	93 002	S.L.
Waste Degreaser (sparten)	mordins area	2/24/93	N-H	4/7/93	93-007	S.L.
Waste Sodium Metabisulfite	Waste Treament area	2/24/93	D002	4/7/93	93-007	S.L.
Waste Sodium Metabisulfite	Waste Treament area	2/24/93	D002	4/7/93	93-007	S.L.
Waste Sodium Cyanide	Waste Treament area	2/24/93	F006	3/8/93	93 005	S.L.
Waste Nickel with Concrete	Trinchera	2/24/93	D 007	4/7/93	93-007	S.L.
Waste Nickel With Concrete	Trinchera	2/24/93	D007	4/7/93	93-007	S.L.
Waste acid With Water	compressors	3/4/93	D002	4/7/93	93-007	S.L.
Waste acid Wit Water	Compressors	3/4/93	D002	4/7/93	93-007	S.L.
Waste acid With water	Mordin area	3/10/93	D002	4/7/93	93-007	S.L.
Waste Acid With Water	Mordin area	3/10/93	D002	4/7/93	93-007	S.L.
Waste Acid With Water	Mordin area	3/10/93	D002	4/7/93	93-007	S.L.

COMENTARIOS: _____

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste oil	molding area	2-3-93	N.H.	3/8/93	93 002	S.L.
Waste oil	molding area	2/3/93	N.H	3/8/93	93-002	S.L.
Waste oil	molding area	2/3/93	N.H.	3/8/93	93-002	S.L.
Waste oil	molding area	2/3/92	N.H	3/8/93	93-002	S.L.
Waste oil	molding area	2/3/93	N.H.	3/8/93	93-002	S.L.
Waste oil	molding area	2/3/93	N.H	3/8/93	93-002	S.L.
Waste Rags With oil	Pure Pres area	2/3/93	N.H	3/10/93	93-004	S.L.
Waste Coolant Sludge	Speed Fan area	2/3/93	N.H	4/7/93	93-007	S.L
Waste ZORB-All With oil	molding area	2/4/93	N.H.	3/10/93	93-003	S.L.
Waste ZORB-All With oil	molding area	2/4/93	N.H	3/10/93	93-003	S.L.
Waste ZORB-All With oil	molding area	2/4/93	N.H	3/10/93	93 003	S.L.
Waste ZORB-All With oil	molding area	2/4/93	N.H.	3/10/93	93-003	S.L.
Waste Coolant with water	magnets area	2/22/93	N.H.	3/8/93	93-002	S.L.
Waste Coolant With Water	magnets area	2/22/93	N.H	3/8/93	93-002	S.L.
Waste Coolant With Water	magnets area	2/22/93	N.H	3/8/93	93 002	S.L.
Waste Coolant With water	magnet area	2/22/93	N.H	3/8/93	93 002	S.L

COMENTARIOS: _____

RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Flamable Solid	Coils area	3/19/93	D001	5/4/93	93-010	S. L.
Waste Trichloroethane III	magneto area	3/19/93	F001	4/5/93	93-006	S. L.
Waste Benzoquinone (Raw Material)	Plating area	4/8/93	D002	4/12/93	93-008	S. L.
Waste Mercury (Raw Material)	Plating are	4/8/93	—	4/12/93	93-008	S. L.
Waste Cyanide Inorganic N.O.S. (Raw Material)	Plating area	4/8/93	D003	4/12/93	93-008	S. L.
Waste Plating Sludge	Waste Treatment area	4/6/93	D007	4/12/93	93-007	S. L.
Waste Flamable Liquid	molding	4/12/93	D001	4/12/93	93-009	S. L.
Waste Cromic Acid	storage	4/12/93	D007	4/12/93	93-010	S. L.
Waste Flamable Solid	molding area	4/24/93	D-001	5/4/93	93-010	S. L.
Waste Flamable Solid	Painting area	4-23-93	D-001	5/4/93	93-010	S. L.
Waste Flammable Solid	molding area	4/29/93	D-001	5/4/93	93-010	S. L.
Waste Flammable solid	molding area	5/20/93	D001	5/4/93	93-010	S. L.
Waste Trichloroethane III	magneto area	5/21/93	F-001	6/3/93	93-012	S. L.
Hazardous Waste Substance Solid N.O.S.	storage area	5/21/93	D007	7/13/93	93021	S. L.
Hazardous Waste Substance Solid N.O.S.	storage area	5/21/93	D007	7/13/93	93021	S. L.
Hazardous Waste Substance Solid N.O.S.	storage area	5/21/93	D007	7/13/93	93021	S. L.

COMENTARIOS: _____

ENV - VC - 078
REV. 0

09/92

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RECORD DE GENERACION DE DESPERDICIOS PELIGROSOS

LOG BOOK

TIPO DE DESPERDICIOS	FUENTE GENERADORA	FECHA ENTRADA	EPA CODE	FECHA SALIDA	# MANIFIESTO	NOMBRE OPERADOR
Waste Oil	molding area	3/7/93	N.H.	4/5/93	93-006	S.L.
Waste oil	molding area	3/7/93	N.H	4/5/93	93-006	S.L.
Waste ZORB-All With oil	molding area	3/8/93	N.H	3/9/93	93003	S.L.
Waste ZORB-All With oil	molding area	3/8/93	N.H	3/9/93	93003	S.L.
Waste ZORB-All With oil	molding area	3/8/93	N.H	3/9/93	93003	S.L.
Waste ZORBAll With oil	molding area	3/8/93	N.H	3/9/93	93003	S.L.
Waste Soap Water With oil	magnets area	3/15/93	N.H	4/12/93	93-007	S.L.
Waste Coolant With Water	manets area	3/15/93	N.H	4/5/93	93-006	S.L.
Waste Coolant With Water	magnets area	3/15/93	N.H.	4/5/93	93-006	S.L.
Waste ZORB-All With oil	mordingarea	3/16/93	N.H	4/12/93	93-007	S.L.
Waste oil With Water	storage area	3/17/93	N.H	4/12/93	93-007	S.L.
Waste oil With Water	storage area	3/17/93	N.H	4/12/93	93-007	S.L.
Waste ZOR-All With Oil	molding are	3/24/93	H.H	4/12/93	93-007	S.L.
Waste Rags With oil	All areas	3/24/93	N.H.	4/12/93	93-007	S.L.
Waste ZOR-All With oil	molding area	3/30/93	N.H	4/12/93	93-007	S.L.
Waste Coolant Sludge	magnets area	3/30/93	N.H	4/12/93	93-007	S.L.

COMENTARIOS: _____

PUERTO RICO AQUEDUCT AND
SEWER AUTHORITY
PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION A
GENERAL INFORMATION

QUESTIONNAIRE

Return this questionnaire by _____

SECTION A: GENERAL INFORMATION

A1. Company Name CARIBE GENERAL ELECTRIC PRODUCTS, INC.

A2. Company Address CARR. NO. 2 KM 47.5

A3. Mailing Address
Street and P. O. Box No. P. O. BOX 402
City MANATI, PUERTO RICO Zip Code 00674
Phone (809)854-2475

A4. Authorized Company Officer
EMILIO CONCEPCION
Name (Print)
OPERATIONS PLANT MANAGER
Tittle

A5. Person to be contacted about questionnaire
Name ANIBAL RAMIREZ RODRIGUEZ Phone (809)854-2475
Position or Tittle EHS COORDINATOR
Address P.O. BOX 402 MANATI, PUERTO RICO 00674

A6. Contact person in emergency
Name RAFAEL OCASIO Tittle INGENIERO MECANICO
Day Telephone _____ Night Telephone _____

A7. Waste Water Discharge Permit
Yes _____ No X
If yes: Permit No. _____
Date Issued _____

GE_CARIBE000987

PUERTO RICO AQUEDUCT AND
SEWER AUTHORITY
PRETREATMENT PROGRAM
INDUSTRIAL SURVEY QUESTIONNAIRE

SECTION A (Cont.)
GENERAL INFORMATION

INDUSTRY NAME

Authorized Company Officer Signature:

The information contained in this questionnaire, to the best of my knowledge is true, complete and accurate.

Date 10/18/91 Signature

FOR PRASA USE ONLY

Industry Discharges to _____

Date Received _____

1. Questionnaire Complete: _____
   Questionnaire Incomplete: _____
   Telephone Call Required: _____ Visit Required _____

2. Comments: _____

Reviewed by _____ Date _____

Approved by _____ Date _____

GE_CARIBE000988

SECTION B: PRODUCT SERVICE INFORMATION

B1. Industrial Classification: Check the attached list of industries. Select and write the number and industry that fits more closely to yours. Write as "Other" and describe if none of them match with it. The industry may have more than one product and classification.

ELECTRIC AND ELECTRONIC COMPONENTS

B2. Principal products and services, average and maximum daily production rates, Standard Industry Classification (SIC) number and % of total production of the Company Clearly spell out the unit of production.

PRODUCT	PRODUCTION AVERAGE	PRODUCTION MAXIMUM	SIC	PERCENT TOTAL PRODUCTION AVERAGE	PERCENT TOTAL PRODUCTION MAXIMUM
RELAYS	300	400	36	2.45	1.84
STARTERS	400	500	36	2.34	1.87
SOLENOIDS	100	200	36	3.36	1.68
HEATERS	4000	5000	36	2.25	1.80
CIR. BREAKERS	740	800	36	2.13	2.0
MISC.	150	200	36	2.57	1.93

B3. Process description- Include a detailed description of all process (es) from raw material (s) to final product (s) including chemical reactions, clearly identifying all the wastewaters generated. Include diagrams as necessary describing the major unit operations used an example is enclosed for your information.

REFER NEXT PAGE

GE_CARIBE000989

SECTION B

B3. CONT.

1. MOLDING - COMPRESSION MOLDING OF THERMOSET MATERIALS IS PERFORMEDE. NO WASTE WATER IS GENERATED FROM THIS PROCESS. RAW MATERIAL USED:

2. METAL FABRICATION - CUTTING AND MACHINING OF METALS IS PERFORMED. STEEL,BRASS, AND COOPER ARE THE METALS USED.

3. ANNELING - FRAMES AND ARMATURES ARE BAKED AT OVER 400 F TO REMOVE ANY MOIST FROM THEM. NO WASTEWATERS IS GENERATE FROM THIS PROCESS.

4. ASSEMBLY - ALL METAL AND PLASTIC COMPONENTS ARE ASSEMBLED INTO FINAL PRODUCTS. NO WASTEWATER IS GENERATED FROM THIS PROCESS.

B4. Plans to introduce changes which may alter production and waste water generation by ± 25% within next 12 months.

Yes _____ No X

If Yes: %_____ Date _____

B5. Changes that may alter the chemistry of prevailing process and quality of waste water within the next 12 months.

Yes _____ No X

If Yes, briefly describe new process and or chemicals and those to be replaced. See instructions:

B6. Substances which may be discharged into sewer, common and technical names, physical and chemical properties:

NAME (COMMON/TECHNICAL)	PHYSICAL-CHEMICAL PROPERTIES
COOLING WATER (SEE ATTACHED MSDS)	

GE_CARIBE000991

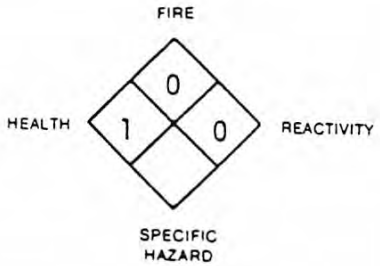
INTERNATIONAL
CHEMTEX
CORPORATION

MATERIAL SAFETY DATA SHEET

M-30

DATE 11-15-85

HAZARD RATING
4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT



SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER: International CHemtex Corporation

EMERGENCY TELEPHONE NO. 800-424-9300

ADDRESS: 8287 214th Street West Lakeville, MN 55044

CHEMICAL NAMES & SYNONYMS: Carbamates

CHEMICAL FORMULA: NA

CHEMICAL FAMILY: NA

DOT HAZARD CLASS: Non-hazardous

DOT SHIPPING NAME: NA

UN NO. NA

SECTION II - HAZARDOUS INGREDIENTS

NAME	%	TLV	UNITS	CAS NO.
Disodium ethylene bis-dithio carbamate	15.0	NA		
Sodium dimethyldithio-carbamate	15.0	NA		
Inert Ingredients	70.0			

*MANUFACTURER STATES THAT UNIDENTIFIED INGREDIENTS ARE NOT CONSIDERED HAZARDOUS UNDER THE FEDERAL COMMUNICATION REGULATION.

NA - Not Applicable NE - Not Established UN - Unavailable

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	UN	SPECIFIC GRAVITY (H_2O=1)	1.150
VAPOR PRESSURE (mm Hg.)	UN	PERCENT VOLATILE BY VOLUME (%)	UN
VAPOR DENSITY (AIR = 1)	UN	pH	10.9
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	UN

APPEARANCE AND ODOR Yellow green to green - sulfur odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	None	FLAMMABLE LIMITS (AIR)	UPPER NA
AUTOIGNITION TEMP.	NA		LOWER

EXTINGUISHING MEDIA ☒ WATER ☐ WATER FOG ☒ CO_2 ☒ DRY CHEMICAL ☐ OTHER _____

SPECIAL FIRE FIGHTING PROCEDURES	NA
UNUSUAL FIRE AND EXPLOSION HAZARD	NA

SECTION V - HEALTH HAZARD INFORMATION

TLV NE

PRIMARY ROUTES OF EXPOSURE: (X) SKIN CONTACT (X) EYE CONTACT ( ) INHALATION ( ) SKIN ABSORPTION ( ) INGESTION

EFFECTS OF OVEREXPOSURE:

Slightly corrosive to eyes and skin.

NA - Not Applicable NE - Not Established UN - Unavailable

SECTION V - CON'T

EMERGENCY & FIRST AID PROCEDURES:

EYES:

Flush eyes with large volumes of water for 15 minutes. Lift upper and lower lids to insure good drainage. If irritation persists, seek medical attention.

SKIN:

Wash affected area with soap and water. Wash contaminated clothing before reuse.

INGESTION:

Drink large quantities of milk, egg whites, gelatin solution or large quantities of water. Call a physician immediately. Do not induce vomitting.

INHALATION:

Remove to victim to fresh air. If breathing is difficult, administer oxygen. Contact a physician.

SECTION VI - REACTIVITY DATE

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		NA
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*

Strong Acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon disulfide, amines.

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		NA
	WILL NOT OCCUR	X	

NA - Not Applicable NE - Not Established UN - Unavailable

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contain the spill. Soak up with absorbent material such as sand, sawdust or clay.

WASTE DISPOSAL METHOD:

Add weak acid until pH 2.5 is reached. Allow the mixture to evaporate and remove residue with water.

NOTE: DISPOSAL OF ALL WASTE MATERIALS MUST BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATINS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS	Local exhaust recommended.
RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:	Avoid exposed skin.
RESPIRATORY (SPECIFY CONDITIONS)	Wear NIOSH organic amine mask
EYES	Splash goggles
GLOVES	Rubber
SPECIAL CLOTHING AND EQUIPMENT	

SECTION IX - SPECIAL PRECAUTIONS

Product is toxic to fish. Avoid contamination of lakes, streams or ponds. Avoid contact with food or foodstuffs.

NA - Not Applicable NE - Not Established UN - Unavailable

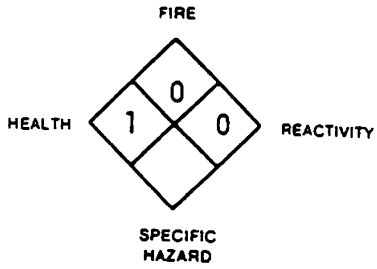
INTERNATIONAL
CHEMTEX
CORPORATION

MATERIAL SAFETY DATA SHEET

ABL-16

DATE 11-15-85

HAZARD RATING
4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT



SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER: International Chemtex Corporation

EMERGENCY TELEPHONE NO. 800-424-9300

ADDRESS: 8287 214th Street West Lakeville, MN 55044

CHEMICAL NAMES & SYNONYMS: Potassium Dimethyldithiocarbamate

CHEMICAL FORMULA: NA

CHEMICAL FAMILY: NA

DOT HAZARD CLASS: Non-Hazardous

DOT SHIPPING NAME: NA

UN NO. NA

SECTION II - HAZARDOUS INGREDIENTS

NAME	%	TLV	UNITS	CAS NO.
Potassium Dimethyldithio-carbamate	16.59	NE		[128-03-0]
Inert Ingredients	83.41			

*MANUFACTURER STATES THAT UNIDENTIFIED INGREDIENTS ARE NOT CONSIDERED HAZARDOUS UNDER THE FEDERAL COMMUNICATION REGULATION.

NA - Not Applicable NE - Not Established UN - Unavailable

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	NE	SPECIFIC GRAVITY (H_2O=1)	1.060
VAPOR PRESSURE (mm Hg.)	NE	PERCENT VOLATILE BY VOLUME (%)	NE
VAPOR DENSITY (AIR = 1)	NE	pH	12.2
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	NE

APPEARANCE AND ODOR Light Yellow Liquid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT None		FLAMMABLE LIMITS (AIR)	UPPER NA
AUTOIGNITION TEMP. NA			LOWER

EXTINGUISHING MEDIA ☐ WATER ☒ WATER FOG ☒ CO_2 ☒ DRY CHEMICAL ☐ OTHER _____

SPECIAL FIRE FIGHTING PROCEDURES	None
UNUSUAL FIRE AND EXPLOSION HAZARD	None

SECTION V - HEALTH HAZARD INFORMATION

TLV NE

PRIMARY ROUTES OF EXPOSURE: (X) SKIN CONTACT (X) EYE CONTACT (X) INHALATION ( ) SKIN ABSORPTION (X) INGESTION

EFFECTS OF OVEREXPOSURE:

Contact with eyes can cause moderate irritation and may result in permanent eye damage. Direct skin contact can cause reddening and slight irritation. Prolonged or repeated inhalation of vapors or mists can cause irritation of the upper respiratory system. Ingestion can cause irritation of the mouth, throat and stomach.

NA - Not Applicable NE - Not Established UN - Unavailable

SECTION V - CON'T

EMERGENCY & FIRST AID PROCEDURES:

EYES:

Flush with plenty of water for 15 minutes. Lift upper and lower lids to insure proper rinse. Get medical attention immediately.

SKIN:

Remove contaminated clothing and shoes. Launder before reuse. Wash with soap and water, rinsing with water for 15 minutes. If irritation persists, seek medical attention.

INGESTION:

Contact a physician. Give victim large quantities of water and induce vomitting.

INHALATION:

Remove victim to fresh air. Administer oxygen if breathing is difficult. If irritation persists, seek medical attention.

SECTION VI - REACTIVITY DATE

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		NA
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*

Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon disulfide, dimethylamine

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		NA
	WILL NOT OCCUR	X	

NA - Not Applicable NE - Not Established UN - Unavailable

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Reclaim material if possible. Flush remaining material to sewer with copious amounts of water.

WASTE DISPOSAL METHOD:

Approved landfill or incineration.

NOTE: DISPOSAL OF ALL WASTE MATERIALS MUST BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATINS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS	Local exhaust
RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:	No exposed skin
RESPIRATORY (SPECIFY CONDITIONS)	No special requirement
EYES	Chemical splash goggles
GLOVES	Rubber
SPECIAL CLOTHING AND EQUIPMENT	Full face shield

SECTION IX - SPECIAL PRECAUTIONS

None

NA - Not Applicable NE - Not Established UN - Unavailable

B7. Hazardous materials, corrosive, explosive, flammable, toxic materials handle in the plant; give the technnical and common name (s) and the hazard or danger involved:

PLEASE REFER TO PAGE 5A.

GE_CARIBE001000

X. INVENTORY OF CHEMICAL STORAGE

Liquid Cleaner
Houghto - Grind 60
Ethlene Glycol,Butyle Ether

Mogul
Phosphoric Acid
Transformer Oil
Methylene Chloride
Methyl Ethyl (Ketone)
Varnish
Steelgard 1301
Alcohol 99%
Markem Cleaner 320
Soluble Oil

Klenz - Glide 67
Cutting Oil
Polychem (Degreaser)
Oil 220 (Texaco)
Dextron Oil (Mobil)
Templing Oil
Thinner VD
Cooperbrite (Acid)
Thermodur Clear Baking
Klene Keaton
Adhesive
Epoxol 9 - 5
Epoxy Resin

Prepared by: Anibal Ramírez
E H S COORDINATOR

DATE: September 20, 1991

/ldm

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY PRETREATMENT PROGRAM INDUSTRIAL SURVEY QUESTIONNAIRE	SECTION C FACILITY OPERATION
	INDUSTRY NAME

SECTION C: FACILITY OPERATION

C1. Operational Status:

In operation X Closed _____

C2. Operational Mode:

Shift - From 7:00 A.M. To 3:30 P.M. To _____ To _____

Batch: Number of batches per working hours

Batches _____ per _____ hrs.

C3. Variations in Operation:

a. Continuous throughout the year (check) X

b. Seasonal: Circle production months and underline peak production months: N/A

J F M A M J J A S O N D

c. Continuous throughout the week (check) X

d. Or circle production days during the week and underline maximum production days: N/A

S M T W T F S

Scheduled shut down periods: during the year:

From DEC. 24 To JAN. 9

Reason: VACATION AND MAINTENANCE

GE_CARIBE001002

PUERTO RICO AQUEDUCT AND SEWER AUTHORITY PRETREATMENT PROGRAM INDUSTRIAL SURVEY QUESTIONNAIRE	SECTION C FACILITY OPERATION
	INDUSTRY NAME

C4. Wastewater Discharge Periods:

a. Wastewater discharge daily: From _____ To _____

N/A

b. Days of the week that discharge take place.
Circle the days and underline maximum discharge days:

S M T W T F S

c. Clean up discharge periods:

N/A

1. Daily: From _____ To _____

Circle days of the week that clean ups take place:

S M T W T F S

2. Month (s) of the year that clean ups take place

_____ Month/Week

_____ Month/Week

GE_CARIBE001003

SECTION D: WATER USAGE AND DISPOSAL

D1. Describe briefly each operation that generates waste water at the facility. Include cycles, process, clean ups. State quantities either measured or estimated.

COOLING WATER (NON CONTACT) BLOW DOWN
ESTIMATED QUANTITY OF 94 GALLONS / DAY.
SANITARY ESTIMATED OF 3,250 GALLONS / DAY.

D2. Sewer systems available within plant premises - see instructions, check:

Domestic ( ) Process ( ) Oily ( ) Storm ( )

D3. Water supply sources. State if quantities are estimated or measured.

Source	Monthly Average	Daily Maximum
P.R. Aqueduct	100,000 (GALLONS ESTIMATED)	3,344 GALLONS
Private Well		
River		
Sea Water		
Other		

D4. Water treatment given to each of the water sources - see instructions:

N/A

GE_CARIBE001004

D5. Water usage and quantity for the various needs, source refer to D-3.

Usage	Source	Monthly Average	Daily Maximum
Domestic	PRASA	97,500	3,250 GALLONS
Process			
Cooling	PRASA	2,800	94 GALLONS
Boiler			
Plant			
Fire			
Other (Specify)			

D6. Describe any utilization of water recycle process; provide a process flow diagram of the plants involved in the recycle including waste water with line sizes, process and water quantities, waste water source, injections points, drains, and sewer where water is drained.

COOLING TOWER FOR MOLDING TO WELDING NON-CONTACT COOLING WATERS.

GE_CARIBE001005

D7. Waste-water generated that discharges into the sewer system; or other disposal sites from the various sources.

From (Generation)	Monthly Average	Daily Maximum	Point Discharge
Domestic	97,500 GALLONS	3,250 GLS.	PRASA-SEWER
Process			
Tower Blowdown			
Boiler Blowdown			
Plant			
Cooling	2,800 GALLONS	94 GLS.	PRASA-SEWER
Fire			
Drains:			
a) columns			
b) tanks			
c) lines			
d) other			
Rain			

D8. Waste-water pretreatment: Describe pretreatment facilities to waste water before discharging into PRASA facilities. Include flow diagrams, efficiency, and or inlet and outlet of pretreatment facility analysis.

N/A

GE_CARIBE001006

D9. Describe other non conventional means to dispose of waste water: volume, means, discharge point, hauler name and address, discharge permit number and typical analysis of waste water: N/A

a. Wastewater source _____

b. Rate of volume generated _____

c. Transportation means, rate of dumps and procedure _____

d. Hauler name address _____

e. Discharge site _____

f. Wastewater analysis _____

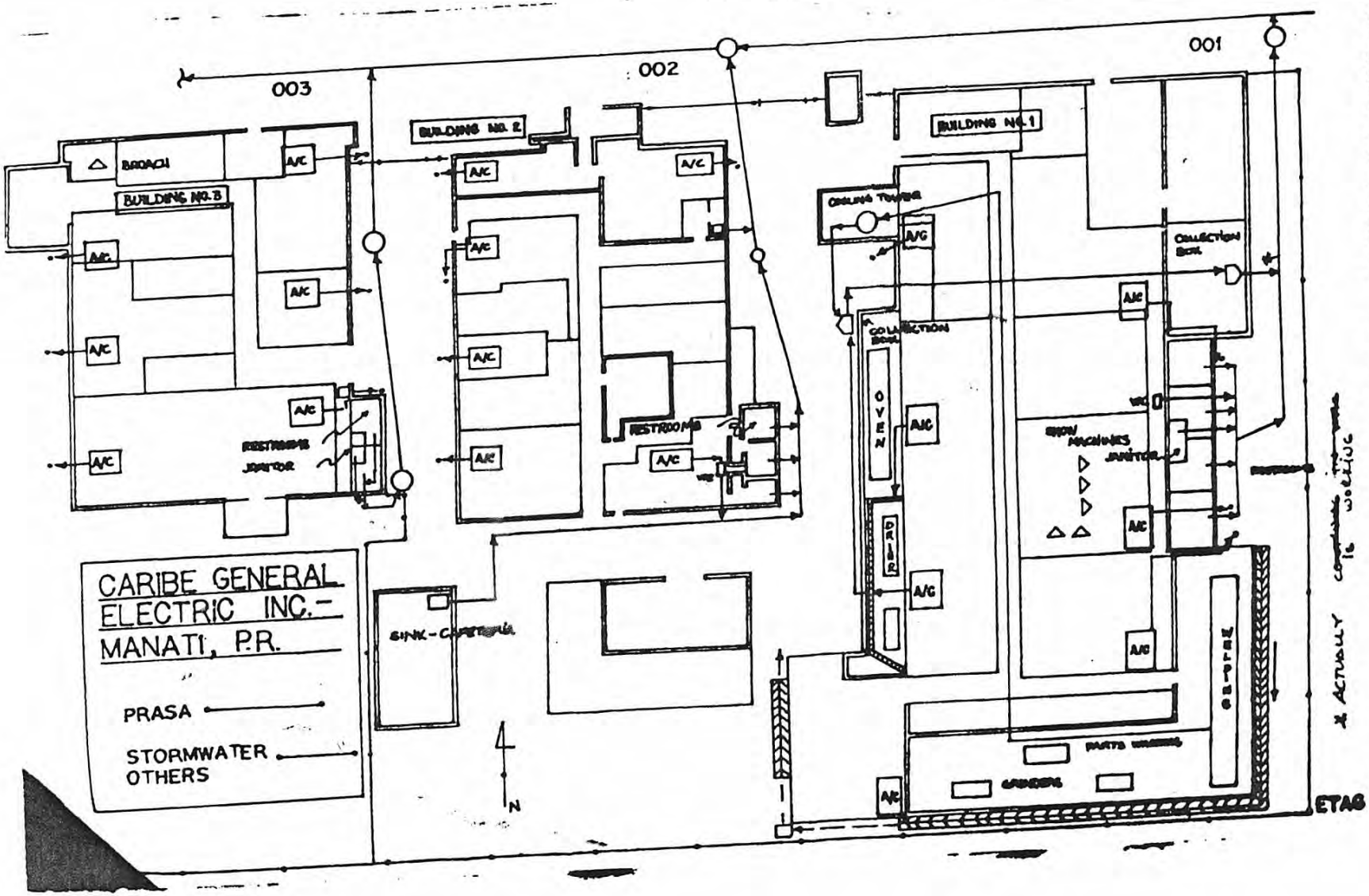
g. Discharge Permit No. _____ Date permit issued_____

h. Briefly explain the reason to dispose of this water by trucking _____

D10. Diagramatic water balance: Provide a diagramatic water balance from inlet flow to plant premises to discharge into PRASA facilities. Make a material balance of the water around each piece of equipment showing inlet volumes, outlet volumes, evaporation losses, process usage, drains.

Indicate water source, line size and flows, flow measuring facilities drain sizes, type of receiving sewers and sewer discharge sites. Include in the diagram pretreatment facilities.

GE_CARIBE001007

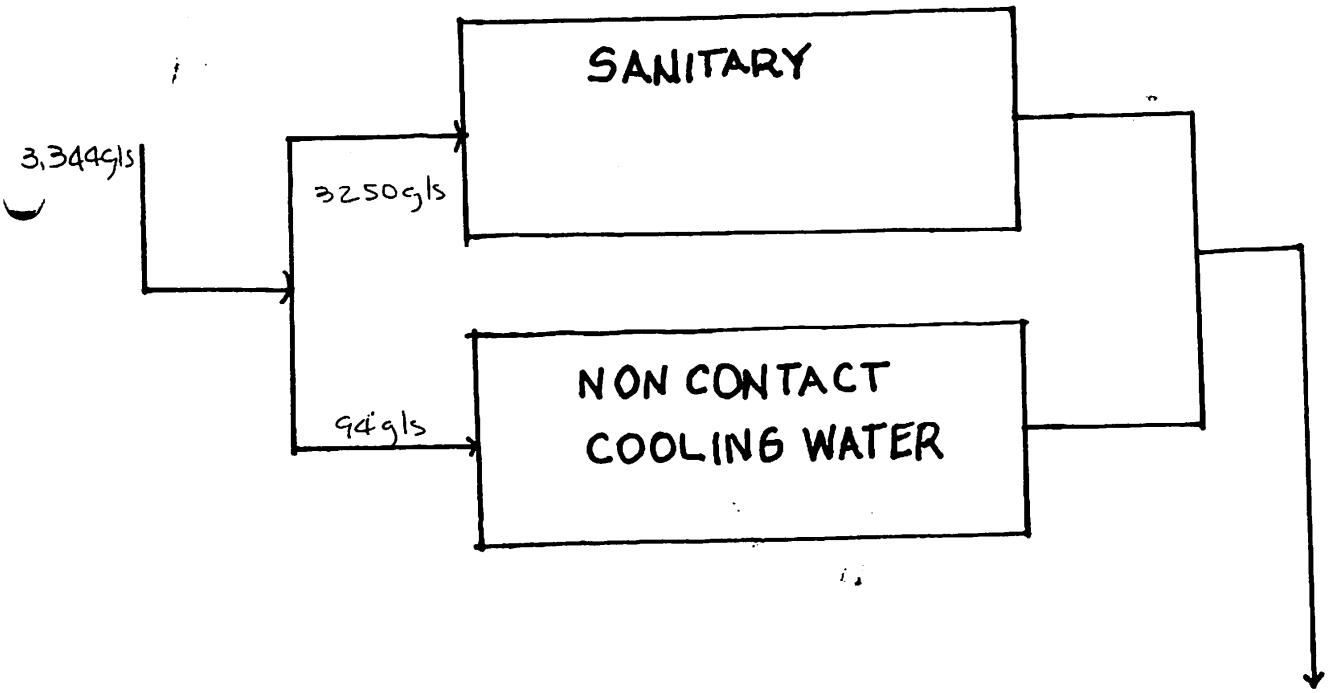

CARIBE GENERAL ELECTRIC INC.- MANATI, P.R.
PRASA
STORMWATER OTHERS
003
002
001
BUILDING NO. 3
BUILDING NO. 2
BUILDING NO. 1
BROACH
A/C
RESTROOMS
JANITOR
SINK-CAFETERIA
COOLING TOWER
COLLECTION BOX
OVEN
DRIER
SHOW MACHINES
PARTS WASHING
GRINDERS
ETAG
N

GE INDUSTRIAL PRODUCTS

WATER BALANCE

SOURCE

P.R. AQUEDUCT



NOTE-QUANTITIES ARE ESTIMATED

DISCHARGE TO PRASA

SECTION E: SLUDGE GENERATION AND DISPOSAL

E1. Describe type of sludge: where, how is generated, chemical reactions involved, physical methods of separation, etc.

N/A

E2. Rate of volume or weight _____

E3. Transportation procedure and means _____

E4. Containers: bags _____, drums _____, dump trucks _____, other _____.

E5. Hauler's Name _____

Hauler Address _____

E6. Sludge disposal: shipped _____, incineration _____, dumped and location _____.

E7. Provide sludge characterization, complete analysis.

E8. Provide a bill of lading or official document of last two sludge shipments or transportation records.

GE_CARIBE001010

SECTION F: SPILL PREVENTION FACILITIES

F1. a. Location of facilities
HAZARDOUS WASTE STORAGE AREA

b. Type of facilites and materials intended to confine
HAZARDOUS WASTE STORED IN DRUMS (55 GALLONS)

c. Pretreatment given to spills
STORED IN DRUMS

d. Disposition or discharge point of discarded liquid including rain water
ALL CONTAMINATED MATERIALS WITH HAZARDOUS SUBSTANCE, AND WASTE OILS ARE DISPOSED VIA SAFETY KLEEN ENVIROSYSTEMS CO.

GE_CARIBE001011

SECTION G: PRIORITY POLLUTANTS INFORMATION

G1. Provide the requested information in the attached Priority Pollutants List. See instructions.

COMPLEMENTARY INFORMATION

Provide a "to scale" plot plan of the company buildings, equipment and pretreating facilities that receives water and generates waste waters including the information requested in the instructions:

Inlet (s) and outlet (s) lines, line sizes, average flows, direction of flows, location of flow metering facilities, location of sampling facilities, connection to the various sewers, sewer line sizes and average flows, sewer discharge points, storm (rain) drains and storm sewer system and discharge points (See Instructions).

GE_CARIBE001012

SECTION B: WASTEWATER INFORMATION

If your facility employs processes in any of the 34 industrial categories or business activities listed below <u>and</u> any of these processes generate wastewater or wastesludge, place a check beside the category or business activity (check all that apply).

Industrial Classification:

1. ( ) Adhesives
2. ( ) Aluminum Forming
3. ( ) Auto & Other Laundries
4. ( ) Battery Manufacturing
5. ( ) Coal Mining
6. ( ) Coil Coating
7. ( ) Copper Forming
8. (X) Electric & Electronic Components
9. ( ) Electroplating
10. ( ) Explosives Manufacturing
11. ( ) Foundries
12. ( ) Gum & Wood Chemicals
13. ( ) Inorganic Chemicals
14. ( ) Iron & Steel
15. ( ) Leather Tanning & Finishing
16. ( ) Mechanical Products
17. ( ) Nonferrous Metals
18. ( ) Ore Mining
19. ( ) Organic Chemicals
20. ( ) Paint & Ink
21. ( ) Pesticides
22. ( ) Petroleum Refining
23. ( ) Pharmaceuticals
24. ( ) Photographic Supplies
25. ( ) Plastic & Synthetic Materials
26. ( ) Plastics Processing
27. ( ) Porcelain Enamel
28. ( ) Printing & Publishing
29. ( ) Pulp & Paper
30. ( ) Rubber
31. ( ) Soaps & Detergents
32. ( ) Steam Electric
33. ( ) Textile Mills
34. ( ) Timber

B. Other Business Activity

( ) Dairy Products

( ) Slaughter/Meat Packing/Rendering

( ) Food/Edible Products Processor

( ) Beverage Bottler

( ) Other: List _____

_____

_____

_____

AAA-715 (Cont.)

SECTION G: PRIORITY POLLUTANT INFORMATION

Priority Pollutant Information: Please indicate by placing an "x" in the appropriate box by each listed chemical whether it is "Suspected to be Absent," "Known to be Absent," "Suspected to be Present," or "Known to be Present" in your manufacturing or service activity or generated as a by-product.

CHEMICAL COMPOUND	Known Present	Suspected Present	Known Absent	Suspected Absent	Known or Suspected Concentration/day
I. METALS & INORGANICS					
1. Antimony	X				—
2. Arsenic			X		—
3. Asbestos			X		—
4. Beryllium	X				—
5. Cadmium			X		—
6. Chromium	X		X		—
7. Copper					—
8. Cyanide			X		—
9. Lead	X				—
10. Mercury			X		—
11. Nickel			X		—
12. Selenium			X		—
13. Silver	X		X		—
14. Thallium			X		—
15. Zinc	X				—
II. PHENOLS AND CRESOLS					
16. Phenol(s)	X		X		—
17. Phenol, 2-chloro			X		—
18. Phenol, 2,4-dichloro			X		—
19. Phenol, 2,4,6-trichloro			X		—
20. Phenol, pentachloro			X		—
21. Phenol, 2-nitro			X		—
22. Phenol, 4-nitro			X		—
23. Phenol, 2,4-dinitro			X		—
24. Phenol, 2,4-dimethyl			X		—
25. m-Cresol, p-chloro			X		—
26. o-Cresol, 4,6-dinitro			X		—
III. MONOCYCLIC AROMATICS (EXCLUDING PHENOLS, CRESOLS AND PHTHALATES)					
27. Benzene			X		—
28. Benzene,chloro			X		—
29. Benzene, 1,2-dichloro			X		—
30. Benzene, 1,3-dichloro			X		—
31. Benzene, 1,4-dichloro			X		—
32. Benzene, 1,2,4-trichloro			X		—
33. Benzene,hexachloro			X		—
34. Benzene, ethyl			X		—
35. Benzene, nitro			X		—
36. Toluene			X		—
37. Toluene, 2,4-dinitro			X		—
38. Toluene, 2,6-dinitro			X		—
IV. PCBs & RELATED COMPOUNDS					
39. PCB-1016				X	—
40. PCB-1221				X	—
41. PCB-1232				X	—
42. PCB-1242				X	—
43. PCB-1248				X	—
44. PCB-1254				X	—
45. PCB-1260				X	—
46. 2-Chloronaphthalene				X	—
V. ETHERS					
47. Ether, bis(chloromethyl)			X		—
48. Ether, bis(2-chloroethyl)			X		—
49. Ether, bis(2-chloroisopropyl)			X		—
50. Ether, 2-chloroethyl vinyl			X		—
51. Ether, 4-bromophenyl phenyl			X		—
52. Ether, 4-chlorophenyl phenyl			X		—
53. Bis(2-chloroethoxy) methane			X		—
VI. NITROSAMINES AND OTHER NITROGEN-CONTAINING COMPOUNDS					
54. Nitrosamine, dimethyl			X		—
55. Nitrosamine, diphenyl			X		—
56. Nitrosamine, di-n-propyl			X		—
57. Benzidine			X		—
58. Benzidine, 3,3'-dichloro			X		—
59. Hydrazine, 1,2-diphenyl			X		—
60. Acrylonitrile			X		—

AAA-715 (Cont.)

CHEMICAL COMPOUND	Known Present	Suspected Present	Known Absent	Suspected Absent	Range or Suspected Concentration/day
VII. HALOGENATED ALIPHATICS					
61. Methane, bromo-	[ ]	[ ]	[X]	[ ]	—
62. Methane, chloro-	[ ]	[ ]	[X]	[ ]	—
63. Methane, dichloro	[ ]	[ ]	[X]	[ ]	—
64. Methane, chlorodibromo	[ ]	[ ]	[X]	[ ]	—
65. Methane, dichlorobromo	[ ]	[ ]	[X]	[ ]	—
66. Methane, tribromo	[ ]	[ ]	[X]	[ ]	—
67. Methane, trichloro	[ ]	[ ]	[X]	[ ]	—
68. Methane, tetrachloro	[ ]	[ ]	[X]	[ ]	—
69. Methane, trichlorofluoro	[X]	[ ]	[ ]	[ ]	—
70. Methane, dichlorodifluoro	[ ]	[ ]	[X]	[ ]	—
71. Ethane, 1,1-dichloro	[ ]	[ ]	[ ]	[ ]	—
72. Ethane, 1,2-dichloro	[X]	[ ]	[X]	[ ]	—
73. Ethane, 1,1,1-trichloro	[ ]	[ ]	[ ]	[ ]	—
74. Ethane, 1,1,2-trichloro	[ ]	[ ]	[X]	[ ]	—
75. Ethane, 1,1,2,1-tetrachloro	[ ]	[ ]	[X]	[ ]	—
76. Ethane, hexachloro	[ ]	[ ]	[X]	[ ]	—
77. Ethene, chloro	[ ]	[ ]	[X]	[ ]	—
78. Ethene, 1,1-dichloro	[ ]	[ ]	[X]	[ ]	—
79. Ethene, trans-dichloro	[ ]	[ ]	[X]	[ ]	—
80. Ethene, trichloro	[ ]	[ ]	[X]	[ ]	—
81. Ethene, tetrachloro	[ ]	[ ]	[X]	[ ]	—
82. Propane, 1,2-dichloro	[ ]	[ ]	[X]	[ ]	—
83. Propene, 2,4-dichloro	[ ]	[ ]	[X]	[ ]	—
84. Butadiene, hexachloro	[ ]	[ ]	[X]	[ ]	—
85. Cyclopentadiene, hexachloro	[ ]	[ ]	[X]	[ ]	—
VIII. PHTHALATE ESTERS					
86. Phthalate, di-c-methyl	[ ]	[ ]	[X]	[ ]	—
87. Phthalate, di-n-ethyl	[ ]	[ ]	[X]	[ ]	—
88. Phthalate, di-n-butyl	[ ]	[ ]	[X]	[ ]	—
89. Phthalate, di-n-octyl	[ ]	[ ]	[X]	[ ]	—
90. Phthalate, bis(2-ethylhexyl)	[ ]	[ ]	[X]	[ ]	—
91. Phthalate, butyl benzyl	[ ]	[ ]	[X]	[ ]	—
IX. POLYCYCLIC AROMATIC HYDROCARBONS					
92. Acenaphthene	[ ]	[ ]	[X]	[ ]	—
93. Acenaphthylene	[ ]	[ ]	[X]	[ ]	—
94. Anthracene	[ ]	[ ]	[X]	[ ]	—
95. Benzo (a) anthracene	[ ]	[ ]	[X]	[ ]	—
96. Benzo (b) fluoranthene	[ ]	[ ]	[X]	[ ]	—
97. Benzo (k) fluoranthene	[ ]	[ ]	[X]	[ ]	—
98. Benzo (ghi) perylene	[ ]	[ ]	[X]	[ ]	—
99. Benzo (a) pyrene	[ ]	[ ]	[X]	[ ]	—
100. Chrysene	[ ]	[ ]	[X]	[ ]	—
101. Dibenzo (a,h,) anthracene	[ ]	[ ]	[X]	[ ]	—
102. Fluoranthene	[ ]	[ ]	[X]	[ ]	—
103. Fluorene	[ ]	[ ]	[X]	[ ]	—
104. Indeno (1,2,3-cd) pyrene	[ ]	[ ]	[X]	[ ]	—
105. Naphthalene	[ ]	[ ]	[X]	[ ]	—
106. Phenanthrene	[ ]	[ ]	[X]	[ ]	—
107. Pyrene	[ ]	[ ]	[X]	[ ]	—
X. PESTICIDES					
108. Acrolein	[ ]	[ ]	[X]	[ ]	—
109. Aldrin	[ ]	[ ]	[X]	[ ]	—
110. BHC (Alpha)	[ ]	[ ]	[X]	[ ]	—
111. BHC (Beta)	[ ]	[ ]	[X]	[ ]	—
112. BHC (Gamma) or Lindane	[ ]	[ ]	[X]	[ ]	—
113. BHC (Delta)	[ ]	[ ]	[X]	[ ]	—
114. Chlordane	[ ]	[ ]	[X]	[ ]	—
115. DDD	[ ]	[ ]	[X]	[ ]	—
116. DDE	[ ]	[ ]	[X]	[ ]	—
117. DDT	[ ]	[ ]	[X]	[ ]	—
118. Dieldrin	[ ]	[ ]	[X]	[ ]	—
119. Endosulfan (Alpha)	[ ]	[ ]	[X]	[ ]	—
120. Endosulfan (Beta)	[ ]	[ ]	[X]	[ ]	—
121. Endosulfan Sulfate	[ ]	[ ]	[X]	[ ]	—
122. Endrin	[ ]	[ ]	[X]	[ ]	—
123. Endrin aldehyde	[ ]	[ ]	[X]	[ ]	—
124. Heptachlor	[ ]	[ ]	[X]	[ ]	—
125. Heptachlor epoxide	[ ]	[ ]	[X]	[ ]	—
126. Isophorone	[ ]	[ ]	[X]	[ ]	—
127. TCDD (or Dioxin)	[ ]	[ ]	[X]	[ ]	—
128. Toxaphene	[ ]	[ ]	[X]	[ ]	—

If you are unable to identify the chemical constituents of products you use that discharged in your wastewater, attach copies of the materials safety data sheets for such products.

APPENDIX

C-5A PERSONNEL DISTRIBUTION TABLE

	I	II	III	TOTAL
Shift Hours	7:00 A. M. TO 3:30 P. M.	3:30 P. M. TO 10:00 P. M. APROX. 10 PERSONS		
Maintenance	111	10		121
Administration	9			9
Office				
			Grand Total	130

PRASA MANIFEST

Name of Generator

Telephone Number

Volume Picked-up by Hauler (gallons)

Address of Generator (where wastes are Picked-up by Hauler)

Brief Description of Wastes

pH		Lead		Grease	
Copper		Aluminum		BOD	
Mercury		Selenium		SS	
Nickel		Iron			
Chromium		Manganese			
Silver		Tin			
Cadmium		Cyanides			
Zinc		Phenols			

Signature of Authorized Representative of the Generator

I certify that:

1- These wastes are not hazardous wastes as defined by the Resource Conservation and Recovery Act, CFR Part 261 and the Commonwealth's Regulation for the Control of Hazardous and Non-hazardous Solid Wastes, as amended.

2- These wastes contain no isotopes or radioactive substances.

3- These wastes do not contain noxious elements or antibiotic effects that, either alone or in conjunction with dischargers by other sources, may reduce the efficiency of the biological processes of the treatment plant or create a hazard for employees of PRASA.

4- These wastes do not contain gasoline, benzene, naphta, fuel oil or other such volatile or flammable substances in sufficient amounts which may, by their presence in the treatment works, constitute a health hazard, produce stench or present a danger of fire or explosion.

5- The attached analytical data are representative of the quality of the waste being forwarded to PRASA under this manifest.

_____
Signature of Authorized Representative of the Generator

_____
Date

GE Electrical Distribution and Control

General Electric Company
41 Woodford Avenue, Plainville, CT 06062
203 747-7111

March 15, 1991

U.S. Environmental Protection Agency
Office of Water Enforcement and Permits
EN-336
401 M Street, SW
Washington, DC 20460

Dear Sir/Madam:

Attached is Part 1 of the group permit application for stormwater discharges from certain facilities in the General Electric Company's Electrical Distribution & Control (EDC) business and Caribe GE (a General Electric Company subsidiary). This Part 1 application covers twenty-six facilities.

It is my understanding that a final determination on this Part 1 application will be made by EPA within 60 days. In the interim, if you have any questions or if you wish to discuss this application, please contact me at the number shown above.

Sincerely,

Jeff Sommer
Environmental Programs Specialist

JS/mla

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

4. Article Number: P 850 839 269

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X

6. Signature — Agent
X for Chris Dean

7. Date of Delivery
MAR 18 1991

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Apr. 1989 ★U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

Jeff Sommer
P 850 839 269

Certified Mail Receipt
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

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PS Form 3800, June 1990

GROUP STORMWATER PERMIT APPLICATION--PART 1
GENERAL ELECTRIC COMPANY

MARCH 15, 1991

1. INTRODUCTION

This application is submitted in compliance with 40 CFR Part 122.26, as revised on November 16, 1990 (55 FR 47990) which allows industrial facilities with similar operations and characteristics to submit a group application for stormwater discharges associated with industrial activity. Certain General Electric Company facilities meet this criterion and are the subject of this group application.

This application covers a total of twenty-six facilities. Ten of these facilities have been selected for sampling in Part 2 of the permit application. This Part 1 application identifies the facilities covered by the application, describes the activities carried out at the sites, lists the significant materials exposed to stormwater and the management practices employed to reduce exposure, and identifies the facilities selected for collection of quantitative data in Part 2 of the permit application.

2. OVERVIEW OF FACILITIES COVERED BY THIS APPLICATION

As noted above, a total of twenty-six facilities are covered by this group application. These include 14 facilities in the Commonwealth of Puerto Rico; two facilities each in Illinois, North Carolina and Tennessee; and one facility each in Maine, Connecticut, Texas, California, Minnesota and Iowa. The locations of these facilities and the precipitation zones in which they are located are provided in **Table 1**. Individual site summaries of on-site processes, outdoor activities, significant materials, and management practices are provided in **Appendix A**.

GE facilities covered by this application fabricate and assemble electrical power distribution equipment, including electrical switches, lighting control panels, and relays, among other products. The industrial processes used at the plants to manufacture these products are quite similar and include the following:

TABLE 1. PARTICIPANTS IN GE GROUP APPLICATION BY PRECIPITATION ZONE

Precipitation Zone 1
Auburn, Maine
Plainville, Connecticut
Mankato, Minnesota
Bloomington, Illinois
Burlington, Iowa

Precipitation Zone 2
Selmer, Tennessee
Morristown, Tennessee
Mebane, North Carolina
Salisbury, North Carolina

Precipitation Zone 3
Arroyo, Puerto Rico
Maunabo, Puerto Rico
Humacao, Puerto Rico
Rio Piedras, Puerto Rico
Vieques, Puerto Rico
Vega Alta, Puerto Rico
Vega Baja, Puerto Rico
Manati, Puerto Rico
Arecibo, Puerto Rico
Anasco, Puerto Rico
San German, Puerto Rico
Juana Diaz, Puerto Rico
Bayamon, Puerto Rico
Patillas, Puerto Rico (note: this facility is currently inactive, although some warehousing takes place. However, the site may be reactivated by Caribe-GE in the near future).

Precipitation Zone 4
Carbondale, Illinois
Houston, Texas

Precipitation Zone 6
North Hollywood, California

- **metal machining-** including stamping, drilling, milling, sawing, tapping, welding, and brazing

- **degreasing/ heat treating**

- **electroplating**

- **painting-** using either wet or dry processes

- **plastic molding**

All of the facilities covered by this group permit application carry out a combination of the processes listed above. Most facilities are engaged in metal fabrication, degreasing/heat treatment and painting, while only certain facilities carry out electroplating or plastic molding. The facilities engaged in significant electroplating or plastic molding operations are as follows:

- **electroplating-** Auburn(ME), Mebane(NC), Bloomington(IL), Houston(TX), Selmer(TN), Burlington(IA), Arecibo(PR), and Juana Diaz(PR)

- **plastic molding-** Morristown(TN), Mebane(NC), Plainville(CT), Bloomington(IL), Maunabo(PR), Humacao(PR), Vega Alta(PR), and San German(PR)

Steel, copper, and aluminum are the principal metals received at the facilities and fabricated into the desired configurations using the process noted above. In some cases, brass, bronze, or limited quantities of other metals may also be used. Electroplating is used to apply a variety of metals (principally silver, zinc, copper, tin, cadmium, chromium or bronze) onto the fabricated parts. Epoxy powder insulation is frequently applied to the parts and the material is cleaned and iron-phosphatized prior to powder coating. . At some locations, a resin coating is applied to aluminum or steel parts through electrodeposition.

Metal scrap is generated through the manufacturing operations which is stored on-site before being recycled off-site. Limited quantities of hazardous wastes are generated (typically wastewater treatment sludge from electroplating operations, paint wastes and spent solvents) which are stored on-site prior to off-site disposal.

No hazardous waste treatment or disposal takes place at the facilities covered by this application. In addition to the metal scrap which is recycled, the sites generate other solid wastes including wood and cardboard.

Fertilizers and pesticides are infrequently (twice per year or less) applied or are not used at all. Above-ground storage tanks are used for the storage of diesel fuel and wastewater treatment chemicals. All of the above-ground tanks are diked to provide secondary containment.

3. DESCRIPTION OF OUTDOOR ACTIVITIES AT PLANTS

Steel, copper and aluminum (and other metals in lesser amounts) are generally stored outdoors prior to use. Scrap metals may be stored outside, generally in open trailers or roll-off bins. In addition, empty drums may be stored outside.

As noted above, diesel fuel and wastewater treatment chemicals are typically stored in diked above-ground tanks at the sites. In some cases, bulk acids (nitric, sulfuric) may also be stored outside in above-ground tanks.

Other materials are delivered at shipping/receiving areas which are generally uncovered. Hazardous wastes and hazardous materials are typically stored indoors or in storage sheds. In the past, many hazardous materials were stored outdoors; however, at the present time only hydraulic oils and coolants will generally be stored outside, usually on diked and/or covered concrete pads.

Site trash is collected in dumpsters which are exposed to rainfall. In addition, air emissions from stacks may be deposited on-site.

4. LIST OF SIGNIFICANT MATERIALS EXPOSED TO STORMWATER AT SITES COVERED BY THIS APPLICATION

A variety of different materials may be exposed to stormwater at the facilities covered by this permit application, although not all of the listed materials will be exposed to stormwater at each site. Significant materials that may be exposed to stormwater at these facilities generally fall into the following categories:

- drums of hydraulic oils and coolants (twenty plants)

- metal bars or sheets used for fabricating parts including steel, copper, and aluminum (twenty plants)

- drums containing acids/bases used in plating operations or metal cleaning including nitric acid, sulfuric acid, hydrochloric acid, phosphoric acid, and alkaline cleaners (three plants)

- drums containing solvents or volatile organics from painting or parts cleaning such as toluene, xylene, acetone, methyl ethyl ketone, and 1,1,1-trichloroethane. In the past, methylene chloride and trichloroethylene were also frequently used. (four plants)

- resin pellets (Lexan) at those facilities that mold plastic parts (eight plants)

- scrap metals (steel, aluminum, copper and limited quantities of others) with some coolants and oils on surfaces (twenty plants)

- general plant trash such as cardboard boxes, wooden pallets, etc (twenty-three plants)

- empty drums which formerly contained any of the oils or other hazardous materials listed above (thirteen plants)

- limited quantities of hazardous wastes, including F006 sludge, paint wastes, and waste solvents (three plants)

- pesticides used occasionally (Roundup, Dursban, Prematol) at some sites (four plants)

- diesel oil in above-ground tanks (five plants)

- wastewater treatment chemicals such as caustic soda, sodium hypochlorite, calcium chloride, aluminum sulfate, sulfuric and nitric acids (four plants)

All finished products are stored inside prior to off-site shipment. None of the facilities burn coal for generating electricity; thus, no coal or coal ash is stored outside.

5. MATERIAL MANAGEMENT PRACTICES TO REDUCE EXPOSURE

Over the past few years, GE facilities have taken steps to reduce the exposure of significant materials to precipitation and run-off. In most cases, hazardous materials are now stored inside buildings. The facilities covered by this application currently plan to move all hazardous wastes, chemicals (acids, bases, and solvents), and resin pellets indoors by the end of 1991.

At present, hazardous wastes are either stored inside buildings or in enclosed storage sheds. Outside drum storage of oils, coolants and other materials is generally conducted on concrete pads that are diked to divert stormwater runoff.

Scrap metals are generally stored in open trailers or roll-off bins that reduce the possibility of oils/coolants spilling onto the ground where it could be picked up by stormwater.

Drum storage areas and above-ground storage tanks are inspected on a regular basis for indications of spills or leakage.

Plant personnel are trained in the proper handling of hazardous materials which reduces the incidence of spills. In addition, plant personnel are trained in the proper disposal of waste materials and to refrain from the dumping of chemicals into the storm drainage system.

6. FACILITIES TO BE SAMPLED FOR PART 2 OF THE PERMIT APPLICATION

Ten facilities have been selected to conduct sampling and analysis for Part 2 of the group permit application. These facilities cover all of the precipitation zones in which group participants are located. In addition, these facilities represent the range of process operations (e.g., electroplating, plastic molding, etc) and material usage covered by the group application. Facilities selected for Part 2 of the application are listed below by precipitation zone:

PRECIPITATION ZONE 1
Auburn, Maine
Plainville, Connecticut
Bloomington, Illinois

PRECIPITATION ZONE 2
Mebane, North Carolina
Selmer, Tennessee

PRECIPITATION ZONE 3
Arecibo, Puerto Rico
Anasco, Puerto Rico
Humacao, Puerto Rico

PRECIPITATION ZONE 4
Houston, Texas

PRECIPITATION ZONE 6
North Hollywood, California

APPENDIX A. SITE DESCRIPTIONS

SITE: Auburn, Maine

Precipitation Zone: 1

On-site Processes: metal fabrication/assembly, degreasing/heat treating, electroplating

Outdoor Activities: hazardous material storage, solid waste storage, shipping/receiving, air emissions, empty drum storage

Significant Materials Exposed to Stormwater: acids, bases, steel, trash, scrap metal, empty drums, oils/coolants

Management Practices:
- acids/bases stored in bermed or diked pads
- most scrap metals stored in materials storage building
- hazardous waste, waste oils and most oils and virgin chemicals stored in chemical storage building
- high level alarms on wastewater treatment chemical storage tanks to prevent overfilling

Selected for Phase 2 sampling?: Yes

APPENDIX A (contd)

SITE: Plainville, Connecticut

Precipitation Zone: 1

On-site Processes: metal fabrication/assembly, painting, plastic molding

Outdoor Activities: solid waste/scrap storage, above-ground tanks, shipping/receiving, air emissions, empty drum storage

Significant Materials Exposed to Stormwater: trash, scrap metals

Management Practices:
- most scrap metals stored in drums and large bins in diked concrete storage area
- hazardous waste, waste oils stored in chemical storage building

Selected for Phase 2 sampling?: Yes

APPENDIX A (CONTD)

SITE: Mankato, Minnesota

Precipitation Zone: 1

On-site Processes: metal fabrication/assembly, degreasing/heat treating, painting

Outdoor Activities: solid waste and scrap storage, shipping/receiving, above-ground tanks, air emissions, empty drum storage

Significant Materials Exposed to Stormwater: trash, scrap metals

Management Practices:
• some scrap pallets and baled cardboard stored outside on concrete pad

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Bloomington, Illinois

Precipitation Zone: 1

On-site Processes: metal fabrication/assembly, degreasing/heat treating, electroplating, painting, plastic molding

Outdoor Activities: hazardous waste storage, solid waste and scrap storage, shipping/receiving, air emissions, empty drum storage

Significant Materials Exposed to Stormwater: trash, empty drums. In the past three years, hazardous wastes (sludge, solvents,paint waste) were stored outside in drums on a diked concrete pad.

Management Practices:
- scrap metals, hazardous waste, waste oils and most oils and virgin chemicals stored inside building
- plan to move all hazardous waste storage indoors by end of 1991

Selected for Phase 2 sampling?: Yes

APPENDIX A (CONTD)

SITE: Burlington, Iowa

Precipitation Zone: 1

On-site Processes: metal fabrication/assembly, degreasing/heat treating, electroplating, painting

Outdoor Activities: solid waste and scrap storage, shipping/receiving, air emissions

Significant Materials Exposed to Stormwater: trash, scrap metals

Management Practices:
- scrap metals and trash stored outside in diked/bermed area
- hazardous waste, oils, other hazardous materials stored inside buildings, although these materials have been stored outside within the last three years

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Selmer, Tennessee

Precipitation Zone: 2

On-site Processes: metal fabrication/assembly, degreasing/heat treating, electroplating, painting

Outdoor Activities: solid waste and scrap storage, shipping/receiving, air emissions, wastewater treatment, above-ground tank

Significant Materials Exposed to Stormwater: trash, scrap metals, chemical drums, wastewater treatment sludge, empty drums

Management Practices:
- chemical; drums and empty drums stored on diked concrete storage pad
- scrap metal stored in open trailers
- wastewater treatment sludge stored in roll-off container(partially covered)
- sheet metal steel covered (previously stored uncovered)
- all raw materials, paints, oils, solvents hazardous wastes stored inside buildings

Selected for Phase 2 sampling?: Yes

APPENDIX A (CONTD)

SITE: Morristown, Tennessee

Precipitation Zone: 2

On-site Processes: metal fabrication/assembly, painting, plastic molding

Outdoor Activities: solid waste and scrap storage, shipping/receiving, air emissions

Significant Materials Exposed to Stormwater: trash, scrap metals, annual application of fertilizers and pesticide

Management Practices:
• all hazardous materials, empty drums and raw materials are stored inside buildings

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Mebane, North Carolina

Precipitation Zone: 2

On-site Processes: metal fabrication/assembly, degreasing/heat treating, electroplating, painting, plastic molding

Outdoor Activities: hazardous material storage, solid waste and scrap storage, shipping/receiving, air emissions, empty drum storage, wastewater treatment, hazardous waste storage

Significant Materials Exposed to Stormwater: copper, steel acids, bases, solvents, trash, scrap metal, empty drums, oils/coolants. Pesticide(Roundup) applied semi-annually in certain areas of the plant

Management Practices:
- acids,bases, oils/coolants stored in bermed or diked pads
- chemicals stored inside buildings or in diked storage area
- waste oils stored inside building

Selected for Phase 2 sampling?: Yes

APPENDIX A (CONTD)

SITE: Salisbury, North Carolina

Precipitation Zone: 2

On-site Processes: metal fabrication/assembly, painting(powder coating)

Outdoor Activities: , solid waste and scrap storage, shipping/receiving, air emissions, empty drum storage, above-ground tanks

Significant Materials Exposed to Stormwater: trash, empty drums, oil(stored in tanks)

Management Practices:
• raw materials, oils stored inside buildings (although oils have been stored outside within last three years)

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Carbondale, Illinois

Precipitation Zone: 4

On-site Processes: metal fabrication/assembly

Outdoor Activities: air emissions

Significant Materials Exposed to Stormwater: none (other than possible deposition from air emissions)

Management Practices:
- all raw materials, oils, and other significant materials are stored inside buildings

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Houston, Texas

Precipitation Zone: 4

On-site Processes: metal fabrication/assembly, electroplating, painting(powder coating)

Outdoor Activities: solid waste and scrap storage, shipping/receiving, air emissions

Significant Materials Exposed to Stormwater: trash, scrap metal, raw materials (steel, copper, and aluminum)

Management Practices:
- scrap metals stored outside in roll-off bins
- oils and chemicals are stored in the chemical storage room (inside building)
- oils and empty drums were stored outside on a bermed concrete pad (with roof) within the last three years
- some paints stored outdoors in a metal storage shed, but this is to be discontinued in near future
- scrap aluminum formerly stored outdoors-discontinued in 1990

Selected for Phase 2 sampling?: Yes

APPENDIX A (CONTD)

SITE: North Hollywood, California

Precipitation Zone: 6

On-site Processes: metal fabrication/assembly, painting(powder coating)

Outdoor Activities: solid waste and scrap storage, above-ground tanks, shipping/receiving, air emissions, empty drum storage

Significant Materials Exposed to Stormwater: trash, empty drums, oils, products (steel boxes)

Management Practices:

- scrap metals stored outside in roll-off bins
- oil from outdoor air compressor could contaminate stormwater. Berm to be added around compressor to collect spills
- waste oil and solvent drums and empty oil drums stored outside on paved pad until 1990. Practice discontinued and pavement to be cleaned in 1991
- all other chemicals stored inside building

Selected for Phase 2 sampling?: Yes

APPENDIX A (CONTD)

SITE: Arroyo, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating, painting(powder coating)

Outdoor Activities: solid waste and scrap storage, empty drum storage

Significant Materials Exposed to Stormwater: trash, empty drums, scrap metals

Management Practices:
- materials stored outside are contained within diked areas

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Maunabo, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating, painting(powder coating), plastic molding

Outdoor Activities: solid waste and scrap storage, empty drum storage

Significant Materials Exposed to Stormwater: trash, empty drums, scrap metals

Management Practices:
- materials stored outside are contained within covered areas

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Humacao, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating, painting(powder coating), plastic molding

Outdoor Activities: solid waste and scrap storage, empty drum storage, above-ground tanks, air emissions

Significant Materials Exposed to Stormwater: trash, empty drums, scrap metals

Management Practices:
- materials stored outside are contained within covered areas

Selected for Phase 2 sampling?: Yes

APPENDIX A (CONTD)

SITE: Rio Piedras, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, warehousing

Outdoor Activities: solid waste storage, above-ground tanks

Significant Materials Exposed to Stormwater: trash, diesel oil (in tank)

Management Practices:
- secondary containment around diesel tank
- regular inspection of diesel tank

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Vieques, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating

Outdoor Activities: solid waste and scrap storage, above-ground tanks, empty drums, raw materials storage (copper bars)

Significant Materials Exposed to Stormwater: trash, diesel oil (in tank), copper bars, scrap metal

Management Practices:
- secondary containment around diesel tank
- regular inspection of diesel tank

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Vega Alta, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating, plastic molding

Outdoor Activities: raw material storage (copper and aluminum bars, aluminum/zinc casting), air emissions, LPG tank

Significant Materials Exposed to Stormwater: copper, aluminum bars, aluminum/zinc casting

Management Practices:
- raw materials stored in covered areas

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Vega Baja, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating

Outdoor Activities: waste oil storage, empty drum storage, air emissions

Significant Materials Exposed to Stormwater: waste oils, empty drums

Management Practices:
- waste oils and drums stored in covered areas

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Manati, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating, plastic molding

Outdoor Activities: solid waste storage, empty drum storage, air emissions, some raw material storage (thermoset molding compound)

Significant Materials Exposed to Stormwater: trash, empty drums, thermoset resins

Management Practices:
- materials stored outside are contained in diked and covered areas

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Arecibo, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating, electroplating

Outdoor Activities: raw material storage (in drums), scrap metal storage

Significant Materials Exposed to Stormwater: scrap metals,

Management Practices:
•???????

Selected for Phase 2 sampling?: Yes

APPENDIX A (CONTD)

SITE: Anasco, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating

Outdoor Activities: scrap metal storage, solid waste storage, air emissions

Significant Materials Exposed to Stormwater: scrap metals, trash

Management Practices:
- materials stored outdoors in covered areas

Selected for Phase 2 sampling?: Yes

APPENDIX A (CONTD)

SITE: San German, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating, plastic molding

Outdoor Activities: scrap metal storage, chemical storage (in drums)

Significant Materials Exposed to Stormwater: scrap metals, acids, oils, caustics

Management Practices:
- materials stored in drums in outdoor covered areas

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Juana Diaz, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating

Outdoor Activities: chemical storage (in drums)

Significant Materials Exposed to Stormwater: acids, oils, caustics

Management Practices:
- materials stored in drums in outdoor covered areas

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Bayamon, Puerto Rico

Precipitation Zone: 3

On-site Processes: metal fabrication/assembly, degreasing/heat treating

Outdoor Activities: above-ground tank, air emissions, compressed gas cylinder storage

Significant Materials Exposed to Stormwater: diesel oil (in tank)

Management Practices:
- secondary containment around diesel tank
- regular inspection of diesel tank

Selected for Phase 2 sampling?: No

APPENDIX A (CONTD)

SITE: Patillas, Puerto Rico*

Precipitation Zone: 3

On-site Processes: none at present. Industrial activities ceased four years ago. Currently used as a warehouse.

Outdoor Activities: none at present.

Significant Materials Exposed to Stormwater: none at present.

Management Practices:
- none required, as no significant materials are exposed to stormwater

Selected for Phase 2 sampling?: No

*** Note: this site was formerly used to manufacture the same types of products as the other facilities covered by this group application. GE may reactivate this plant in the near future.**

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

ENE. 29 1990

RE: 1989 Hazardous Waste
Biennial Report

Dear Sir/Madam:

According to Rule 503 A of the Regulation for the Control of Hazardous and Non - Hazardous Solid Wastes, a generator who ships any hazardous waste off-site to a treatment, storage or disposal facility and/or a facility who receive hazardous wastes for treatment, storage and disposal of such wastes, must prepare and submit a single copy of a Biennial Report to the Puerto Rico Environmental Quality Board (EQB) by March 1 of each even numbered year.

During recent years, the Biennial Report form used to report the management activities of the hazardous wastes has been amended by the Environmental Protection Agency (EPA).

The purpose of these amendments is to help the states in collecting the necessary information to comply with the requirements of the Section 104 (c) (9) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended. This Section establishes that the states have the responsibility to develop and submit every two years a Hazardous Waste Management Plan that assure to the EPA Regional Administrator that each state has the capability to handle its own wastes. However, since at present the EQB has not develop its own Biennial Report form, we have adopt the EPA form. Therefore, eventhough the enclosed report form is the one provided by the EPA, it must be submitted to the EQB (original copy).

* EQB REQUIREMENT

The suitable unit of measure to be reported is the short tons (T). If necessary, use the following conversion factors:

*

Code	Unit of Measure	Conversion Factor [a]
P	Pound	0.00050
T	Short ton (2,000 lb)	1
K	Kilogram	0.001102
M	Metric tonne (1,000 kg)	1.102311
G	Gallon	0.004167
L	Liter	0.001102

[a] Multiply conversion factor by unit of measure to convert to short tons.

Attached, you will find the instructions and forms booklet to be filled out.

If your company has obtained a declassification to non-handler or small quantity generator of hazardous wastes, written evidence of said action must be included.

Failure to submit the report by March 1, 1990, will result in the assessment of penalty. Attached, please find biennial report forms and additional information.

If you have any question in regard to this matter, contact our office at 767-8031 or 767-8118.

Cordially,

Flor L. Del Valle López
Director
Land Pollution Control
Area

CM/sec

Enclosure

make entries in shaded areas

ENVIRONMENTAL PROTECTION AGENCY

Facility Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1981.

VIII. FACILITY'S EPA I.D. NO. T/A C

F P R D 0 9 0 0 3 1 4 1 0 1

Date received:

Received by:

IX. GENERATOR'S EPA I.D. NO.

G P R D 0 9 0 0 3 1 4 1 0

X. GENERATOR NAME (specify generator from whom all wastes on this page were received)

" ON SITE"

XI. GENERATOR ADDRESS

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. EPA Hazardous Waste No. (see instructions)	C. Handling Method	D. Amount of Waste	E. Unit of Measure
	1	HAZARDOUS WASTE LIQUID N.O.S. ORM-E; NA-9180	F 0 0 6	C W	7	T
	2	WASTE COMBUSTIBLE LIQUID N.O.S COMBUSTIBLE LIQUID, NA-1993	D 0 0 1	D M	0.6	T
	3	WASTE TRICHLOROETHANE N.O.S ORM-A, UN-2831	F 0 0 1	D M	1.2	T
	4	WASTE FLAMMABLE SOLID N.O.S UN-1325	D 0 0 1	D M	0.1	T
	5	WASTE FLAMMABLE LIQUID N.O.S. FLAMMABLE LIQUID, UN-1993	D 0 0 1	D M	0.2	T
	6	HAZARDOUS WASTE LIQUID N.O.S. ORM-E; NA-9189	F 0 0 6	D M	0.6	
	7					T
	8					
	9					
	10					
	11					
	12					

XIII. COMMENTS (enter information by section number—see instructions)

Do not make entries in shaded areas

OMB#: 2050-0005 Expires: 1-31-83

ENVIRONMENTAL PROTECTION AGENCY

FACILITY ANNUAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31, 1981.

AFFIX LABEL HERE

Please print/type with elite type (12 characters per inch)

GENERAL INSTRUCTIONS: If you received a preprinted label attached to the mailing envelope in which this form was enclosed, affix it in the space provided. If any of the information on the label is incorrect, draw a line through it and provide the correct information in the appropriate section below. If the information is correct and complete, leave Sections I, II, and III below blank. If you did not receive a preprinted label, complete all sections. REFER TO THE SPECIFIC INSTRUCTIONS CONTAINED IN THIS BOOKLET BEFORE COMPLETING THIS FORM. The information requested in this report is required by law (Section 3004 of the Resource Conservation Recovery Act).

I. FACILITY EPA I.D. NUMBER

T/A C

F P R D 0 9 0 0 3 1 4 1 0 1

1 2 13 14 15

II. NAME OF FACILITY

G E N E R A L E L E C T R I C C O N T R O L S I N C.

30 69

III. FACILITY MAILING ADDRESS

3 P.O. B O X 3 2 8

15 16 45

Street or P.O. Box

4 V E G A A L T A P R 0 0 7 6 2

15 16 41 42 47 51

City or Town State Zip Code

IV. LOCATION OF FACILITY (if different than section III above)

5 R O A D # 2 K M 3 0 . 1

15 16 45

Street or Route number

6 V E G A A L T A P R 0 0 7 6 2

15 16 41 42 47 51

City or Town State Zip Code

V. FACILITY CONTACT

2 E N G. E D U A R D O Y U M E T

15 16 45

Name (last and first)

8 0 9 – 8 8 3 – 3 0 0 0

46 55

Phone No. (area code & no.)

VI. COST ESTIMATES FOR FACILITIES

$ ___ , ___ , ___ $ ___ , ___ , ___

16 19 22 25 28 31

Cost Estimate for Facility Closure

Cost Estimate for Post Closure Monitoring and Maintenance (disposal facilities only)

VII. CERTIFICATION

[illegible] under penalty of law that I have [illegible] examined and am familiar with the information submitted in this [illegible] attached [illegible] and that based on my inquiry of those individuals immediately responsible for obtaining the information [illegible] that the [illegible] information is true, accurate, and complete. I am aware that there are significant penalties for submitting [illegible] information [illegible] possibility of fine and imprisonment.

EDUARDO YUMET PROCESS ENG. Eduardo Yumet 2/26/85

[illegible] Authorized Representative

EPA [illegible] (Revised 10-82)

Tear out here

Do not make entries in shaded areas

OMB # 2050-0005 Expires: 1-31-83

ENVIRONMENTAL PROTECTION AGENCY

GENERATOR ANNUAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31, 1981.

AFFIX LABEL HERE

GENERAL INSTRUCTIONS: If you received a preprinted label attached to the mailing envelope in which this form was enclosed, affix it in the space provided. If any of the information on the label is incorrect, draw a line through it and provide the correct information in the appropriate section below. If the information is correct and complete, leave Sections I, II, and III below blank. If you did not receive a preprinted label, complete all sections. REFER TO THE SPECIFIC INSTRUCTIONS CONTAINED IN THIS BOOKLET BEFORE COMPLETING THIS FORM. The information requested in this report is required by law (Section 3002 of the Resource Conservation Recovery Act).

Please print/type with elite type (12 characters per inch).

I. GENERATOR'S EPA I.D. NUMBER

T/A C

F P R D 0 9 0 0 3 1 4 1 0 1

1 2 13 14 15

II. NAME OF INSTALLATION

G E N E R A L E L E C T R I C C O N T R O L S I N C.

30 69

III. INSTALLATION MAILING ADDRESS

3 P O B O X 3 2 8

15 16 45

Street or P.O. Box

4 V E G A A L T A P R 0 0 7 6 2

15 16 41 42 47 51

City or Town State Zip Code

IV. LOCATION OF INSTALLATION (if different than section III above)

5 R O A D # 2 K M 3 . 1

15 16 45

Street or Route number

6 V E G A A L T A P R 0 0 7 6 2

15 16 41 42 47 51

City or Town State Zip Code

V. INSTALLATION CONTACT

2 E D U A R D O Y U M E T

15 16 45

Name (last and first)

8 0 9 — 8 8 3 — 3 0 0 0

46 55

Phone No. (area code & no.)

VI. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

EDUARDO YUMET	PROCESS ENG.	Eduardo Yumet	2/26/85
Print Type Name	Title	Signature of Authorized Representative	Date Signed

EPA Form 8700-13A(5-80) (Revised 10-82)

Page 1 of ____

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GE_CARIBE001058

Do not make entries in shaded areas

ENVIRONMENTAL PROTECTION AGENCY

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1981.

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

T/A C

G P R D 0 9 0 0 3 1 4 1 0 7 1

1 2 13 14 15

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

CHEMICAL WASTE MANAGEMENT, INC.

IX. FACILITY'S EPA I.D. NO.

F A L D 0 0 0 6 2 2 4 6 4

16 28

X. FACILITY ADDRESS

EMELLE FACILITY
P. O. BOX 55
EMELLE, ALABAMA 35459

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.)

ASHLAND CHEMICAL COMPANY -PRD000706291; SEARAIL INC. - ALD077895126

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
32	1	Waste Combustible Liquid, Combustible Liquid N.O.S.	33 34	D001 35 38 / 39 42 / 43 46 / 47 50	0.6 51 59	T 60
	2	Waste Trichloroethane, N.O.S.		F001	1.2	T
	3	Waste Flammable Solid N.O.S.		D001	0.1	T
	4	Waste Flammable Liquid, Flammable Liquid N.O.S.		D001	0.2	T
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

Tear here

XIII. COMMENTS (enter information by section number—see instructions)

Page ____ of ____

Do not make entries in shaded areas

ENVIRONMENTAL PROTECTION AGENCY

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1981.

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

T/A C

G P R 0 0 9 0 0 3 1 4 1 0 1 1

1 2 13 14 15

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

BROWNING FERRIS INDUSTRIES

IX. FACILITY'S EPA I.D. NO.

F L A D 0 0 0 6 1 8 2 5 6

16 28

X. FACILITY ADDRESS

BROWNING FERRIS INSDUSTRIES
CALCASIEU DISPOSAL FACILITY
WILLOW SPRING
WEST LAKE, LOUSIANA

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.)

EMILIO BARBOSA VELEZ INC. - PRT000010306; TRAILER MARINE TRANSPORT - PRD000559360; RYDER RANGER - FLD007922578

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
32	1	HAZARDOUS WASTE LIQUID N.O.S. - ORM-E	33 34	F 0 0 6 (35–38) (39–42)	8 (51–59)	T (60)
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

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XIII. COMMENTS (enter information by section number—see instructions)

Page ____ of _____

GE_CARIBE001060

Do not make entries in shaded areas

ENVIRONMENTAL PROTECTION AGENCY

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1981.

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

T/A C

G P R D 0 9 0 0 0 3 1 4 1 0 1 1

1 2 13 14 15

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

BROWNING FERRIS INDUSTRIES

IX. FACILITY'S EPA I.D. NO.

F L A D 0 0 0 6 1 8 2 9 8

16 28

X. FACILITY ADDRESS

BROWNING FERRIS INDUSTRIES
LIVINGSTON FACILITY 1-12
HIGHWAY 63
LIVINGSTON, LOUSIANA 70754

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.)

EQUIPOS DE BORINQUEN INC. - PRD000019539; TRAILER MARINE TRANSPORT PRD000559360; RYDER RANGER - FLD007922578

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
32	1	HAZARDOUS WASTE LIQUID N.O.S., ORM-E	33 34	F 0 0 6 (35–38) (39–42)	10 (51–59)	T (60)
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

Tear out here

XIII. COMMENTS (enter information by section number—see instructions)

Page of

Do not make entries in shaded areas

ENVIRONMENTAL PROTECTION AGENCY

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1981.

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

G P R D 0 9 0 0 3 1 4 1 0 T/A C 1

1 2 13 14 15

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

WRC PROCESSING COMPANY

IX. FACILITY'S EPA I.D. NO.

F A Z D 9 8 0 7 3 5 5 0 0

16 28

X. FACILITY ADDRESS

WRC PROCESSING COMPANY
8113 WEST SHERMAN
PHOENIX, ARIZONA 85043

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.) JUAN E. HERNANDEZ- PRD090220732 TMT-PRD090559360; RYDER RANGER - FLD007922570, SOUTHERN PACIFIC TRANSP. LAD006913202; HAMBICKI BROS. INC. - AZD097121164

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
32	1	HAZARDOUS WASTE LIQUID, N.O.S. ORM-E	33 34	F 0 0 6 (35 38 39 42; 43 46 47 50)	1 5 (51 59)	T (60)
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

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XIII. COMMENTS (enter information by section number—see instructions)

Caribe General Electric Products, Inc.

P.O. BOX 328
VEGA ALTA, PUERTO RICO 00762

Tels. (809) 883-3000
(809) 883-3020
(809) 883-4020

PANAFAX: Area Code
(809) 883-3010
(809) 883-4084

February 28, 1986

U. S. Environmental Protection Agency
Permits Administration Branch
Room 432
26 Federal Plaza
New York, N. Y. 10278

Dear Sir/Madam:

Please find attached the Generator Biennial Hazardous Waste Report for 1985 for the following plants:

1. General Electric Controls, Vega Alta, P. R.
2. General Electric Pilot Devices, Vega Alta, P. R.
3. General Electric Industrial Products, Manati, P. R.

Sincerely,

Eduardo Yumet 2/28/86

E. Yumet
Process Engineer

EY/hh

E. Yumet
HE

P 676 354 085 Vega Alta

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to U.S. EPA - Perm Adm Branch	
Street and No. Rm 432 - 26 Fed Plaza	
P.O., State and ZIP Code N.Y., N.Y. 10278	
Postage	$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	70
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 201
Postmark or Date	

VEGA ALTA FEB 28 1986 US

PS Form 3800, Feb. 1982 ★ U.S.G.P.O. 1983-403-517

ENVIRONMENTAL PROTECTION AGENCY

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT FOR 1985

This report is for the calendar year ending December 31, 1985
Read All Instructions Carefully Before Making Any Entries on Form

I. NON-REGULATED STATUS

Complete this section only if you did not generate regulated quantities of hazardous waste at any time during the 1985 calendar year. Circle the one code at right that best describes your status during the entire year (see instructions for explanation of codes).

1 Non-handler
2 Small Quantity Generator
4 Exempt
5 Beneficial Use
9 Out of Business

Please print/type with elite type (12 characters per inch)

This Installation's Non-Regulated Status is Expected to Apply:

☐ For 1985 Only ☐ Permanently

☐ Other_____

C303 ENTRY (OFFICIAL USE ONLY) ☐

II. GENERATOR'S EPA I.D. NUMBER

T/A C

F P R D 0 9 0 0 3 1 4 1 0 1 1

1 2 13 14 15

III. NAME OF ESTABLISHMENT

G E N E R A L E L E C T R I C C O N T R O L S I N C.

30 69

IV. ESTABLISHMENT MAILING ADDRESS

3 P . O . B O X 3 2 8

15 16 45

Street or P.O. Box

4 V E G A A L T A P R 0 0 7 6 2

15 16 41 42 47 51

City or Town State Zip Code

V. LOCATION OF ESTABLISHMENT (if different than section IV above)

5 R O A D #2 K M 3 0 . 1

15 16 45

Street or Route number

6 V E G A A L T A P R 0 0 7 6 2

15 16 41 42 47 51

City or Town State Zip Code

VI. ESTABLISHMENT CONTACT

2 E D U A R D O Y U M E T

15 16 45

Name (last and first)

8 0 9 — 8 8 3 — 3 0 0 0

46 55

Phone No. (area code & no.)

VII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print/Type Name	Title	Signature	Date Signed
EDUARDO YUMET	PROCESS ENGINEER	Eduardo Yumet	2/28/86

EPA Form 8700-13A(5-80) (Revised 11-85)

GE_CARIBE001064

ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date rec'd: _____ Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

GPRD090031410 (T/A C: 1)

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

McKESSON ENVIROSYSTEMS COMPANY

X. FACILITY'S EPA I.D. NO.

FPRD090399718

XI. FACILITY ADDRESS

HIGHWAY #2 KM 51
P.O. BOX 1098
MAANTI, P.R. 00701

XII. TRANSPORTATION SERVICES USED

CARRERAS TRUCKING COMPANY - PRD000692566

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
	1	Waste 1,1,1-Trichlorethane, ORM-A, UN-2831	13	F001	1.1	M
	2	Waste Combustible Liquid, Kerosene, UN-1223	01	D001	0.5	M
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

XIV. COMMENTS (enter information by section number—see instructions)

GE_CARIBE001065

ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date rec'd: _____ Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

T/A C

G P R D 0 9 0 0 3 1 4 1 0 1 1

1 2 13 14 15

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

WRC PROCESSING COMPANY

X. FACILITY'S EPA I.D. NO.

F P A D 9 8 1 0 3 8 2 2 7

16 28

XI. FACILITY ADDRESS

RD #1 BOX 1053
POTTSVILLE, PA 17901

XII. TRANSPORTATION SERVICES USED

JUAN E. HERNANDEZ INC. - PRD090220732; TRAILER MARINE TRANSPORT
PRD090559360
DEL VECCHIO SANITATION SERVICE - PAD980830061

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)		D. Amount of Waste	E. Unit of Measure
29 32	1	Hazardous Waste Solids, N.O.S., ORM-E, NA-9189	1 5 (33 34)	F 0 0 6 (35 38) (43 46)	(39 42) (47 50)	1 8. 2 (51 59)	M (60)
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						

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XIV. COMMENTS (enter information by section number—see instructions)

GE_CARIBE001066

ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date rec'd: _____ Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

GP R D 0 9 0 0 3 1 4 1 0 T/A C 1

1 2 13 14 15

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

WRC PROCESSING COMPANY

X. FACILITY'S EPA I.D. NO.

F A Z D 9 8 0 7 3 5 5 0 0

16 28

XI. FACILITY ADDRESS

8113 WEST SHERMAN
PHOENIX AZ., 85043

XII. TRANSPORTATION SERVICES USED

RYDER RANGER-FLD007922578; SOUTHERN PASIFIC TRANS. - CAD006913202;
HAMBICKI BROS. INC. - AZD097121164

XIII. WASTE IDENTIFICATION

Sequence # (29–32)	Line #	A. Description of Waste	B. DOT Hazard code (33–34)	C. EPA Hazardous Waste No. (see instructions) (35–46)	(47–50)	D. Amount of Waste (51–59)	E. Unit of Measure (60)
	1	HAZARDOUS WASTE LIQUID, N.O.S., ORM-E, NA-9189	1 5	F 0 0 6		5.3	M
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						

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XIV. COMMENTS (enter information by section number—see instructions)

GE_CARIBE001067

ENVIRONMENTAL PROTECTION AGENCY

Generator Biennial Hazardous Waste Report for 1985 (cont.)

This report is for the calendar year ending December 31, 1985

Date rec'd: _____ Rec'd by: _____

XV. GENERATOR'S EPA I.D. NO.

T/A C

G P R D 0 9 0 0 3 1 4 1 0 3 1

1 2 13 14 15

XVI. WASTE MINIMIZATION (narrative description)

1. Disposition of Vapor Degreasing Solvent is for Recycling Process.

2. Electroplating Sludge generated, disposed to metal recovery facility.

   (No land filling) - Also process optimization to decrease volume.

3. Looking for alternatives for solvent substitutes.

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GE_CARIBE001068

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Junta de Calidad Ambiental

COMMONWEALTH OF PUERTO RICO/OFFICE OF THE GOVERNOR

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31 1987

I. GENERATOR EPA I.D. NUMBER

PR /D/0/9/0/0/3/1/4/1/0/

II. NAME OF INSTALLATION

CARIBE GENERAL ELECTRIC PRODUCTS, INC. VEGA ALTA PLANT No. 1

III. INSTALLATION MAILING ADDRESS

P.O. BOX 328

Street or P. O. Box

VEGA ALTA — P.R. — 00762

City or Town — State — Zip Code

IV. LOCATION OF INSTALLATION

HIGHWAY No. 2 KM 30.1

Street or Route number

VEGA ALTA — P.R. — 00762

City or Town — State — Zip Code

V. INSTALLATION CONTACT

YUMET, EDUARDO

Name (last and first)

809 - 883 - 3000

Phone No. (area code & no.)

ENVIRONMENTAL QUALITY BOARD

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT (cont.)

VI. GENERATOR EPA I.D. NO.

PR /D/0/9/0/0/3/1/4/1/0/

VII. FACILITY EPA I.D. NO.

PR /D/0/9/0/3/9/9/7/1/8/

VIII. FACILITY ADDRESS

HIGHWAY No. 2 KM 51
MANATI, P.R. 00701

IX. FACILITY NAME (specify facility to which all wastes on this report were shipped)

SAFETY KLEEN ENVIROSYSTEMS CO., INC.

X. COMMENTS (enter information by section number)

XI. TRANSPORTATION SERVICES USED (list the name and EPA ID No. of all transporters whose services were used)

LOS VAQUEROS - PRD090547076; JUAN E. HERNANDEZ, INC. - PRD090220732; CARRERAS TRUCKING CO. - PRD000692566; TRAILER MARINE TRANSPORT - PRD090559360; P.R. MARINE MANAGEMENT - PRD000726810

XII. CERTIFICATION

I certify under penalty of Law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

YUMET, EDUARDO — PROCESS ENGINEER

Print/Type Name — Title

Signature of Authorized Repres. — Date Signed

XIII. WASTE IDENTIFICATION

A. Description of Waste	B. EPA Hazardous Waste No.		C. Handling Method	D. Amount of Waste	Unit of Measure
1. WASTE FLAMMABLE LIQUID, N.O.S., FLAMMABLE LIQUID, UN-1993	D001		S01-S02 T50 T16	0.9	M (07)
2. WASTE 1,1,1-TRICHLOROETHANE, ORM-A UN-2831	F001		S01-S02 T50 T16	1.1	M
3. WASTE OIL, COMBUSTIBLE LIQUID, NA-1270	D001		S01-S02 T50 T16	3.0	M (01)
4. HAZARDOUS WASTE LIQUID, N.O.S., ORM-E NA-9189	D008		S01-S02 T50 T16	0.9	M (12)
5. WASTE OIL, COMBUSTIBLE LIQUID, NA-1270, NOT REGULATED			S01-S02 T50 T16	1.6	M (01)
6.					
7.					
8.					
9.					
10.					
11.					
12.					

ENVIRONMENTAL QUALITY BOARD

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT (cont.)

VI. GENERATOR EPA I.D. NO.

PR 1D/0/9/0/0/3/1/1/4/1/0/

VII. FACILITY EPA I.D. NO.

AZ ~~PR~~ 1D/9/8/0/7/3/5/5/0/0/

VIII. FACILITY ADDRESS

8113 West Sherman
Phoenix, Az 85043

IX. FACILITY NAME (specify facility to which all wastes on this report were shipped)

WRC Processing Co.

X. COMMENTS (enter information by section number)

XI. TRANSPORTATION SERVICES USED (list the name and EPA ID No. of all transporters whose services were used)

XII. CERTIFICATION

I certify under penalty of Law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

Kumet, Eduardo — Process Engineer

Print/Type Name — Title

Signature of Authorized Repres. — Date Signed

XIII. WASTE IDENTIFICATION

	A. Description of Waste	B. EPA Hazardous Waste No.	C. Handling Method	D. Amount of Waste	Unit of Measure
1.	HAZARDOUS WASTE SOLID, N.O.S., ORM-E NA-9189	F006	T23-T59 T50-T18 (DRYING)	62.4	M (12)
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					

ENVIRONMENTAL QUALITY BOARD

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT (cont.)

VI. GENERATOR EPA I.D. NO.

PR /D/0/9/0/0/3/1/4/1/0/

VII. FACILITY EPA I.D. NO.

AR
~~PR~~ /D/0/6/9/7/4/8/1/9/2/

VIII. FACILITY ADDRESS

AMERICAN OIL ROAD
P.O. BOX 1957
EL DORADO, ARKANSAS 71731

IX. FACILITY NAME (specify facility to which all wastes on this report were shipped)

ENSCO INC.

X. COMMENTS (enter information by section number)

XI. TRANSPORTATION SERVICES USED (list the name and EPA ID No. of all transporters whose services were used)

XII. CERTIFICATION

I certify under penalty of Law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

KUMET, EDUARDO — PROCESS ENGINEER

Print/Type Name — Title

Signature of Authorized Repres. — Date Signed

XIII. WASTE IDENTIFICATION

A. Description of Waste	B. EPA Hazardous Waste No.	C. Handling Method	D. Amount of Waste	Unit of Measure
1. WASTE FLAMMABLE SOLID, N.O.S., FLAMMABLE SOLID, UN-1325	D001	S01 T07	0.5	M (08)
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

ENVIRONMENTAL QUALITY BOARD

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT (cont.)

VI. GENERATOR EPA I.D. NO.

PR /D/0/9/0/0/3/1/4/1/0/

VII. FACILITY EPA I.D. NO.

~~PR~~ MI /D/0/9/6/9/6/3/1/9/4/

VIII. FACILITY ADDRESS

18550 ALLEN ROAD
WYANDOTTE, MI 48192

IX. FACILITY NAME (specify facility to which all wastes on this report were shipped)

CHEM MET SERVICES

X. COMMENTS (enter information by section number)

XI. TRANSPORTATION SERVICES USED (list the name and EPA ID No. of all transporters whose services were used)

XII. CERTIFICATION

I certify under penalty of Law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

HUMET, EDUARDO — PROCESS ENGINEER

Print/Type Name — Title

Signature of Authorized Repres. — Date Signed

XIII. WASTE IDENTIFICATION

A. Description of Waste	B. EPA Hazardous Waste No.	C. Handling Method	D. Amount of Waste	Unit of Measure
1. WASTE HAZARDOUS SOLID, N.O.S., ORM-E, NA-9189	F010G	T21	1.4	M (12)
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

FILE COPY

Caribe GE

Caribe General Electric Products, Inc
P.O. Box 328
Vega Alta, Puerto Rico 00762
(809) 883-3000/3020
Fax (809) 754-3188 Adm /883-3050 Other/883-4084 Pilot Plant

February 27, 1990

PUERTO RICO ENVIRONMENTAL
QUALITY BOARD
LAND POLLUTION CONTROL AREA
INSPECTION, MONITORING AND
SURVEILLANCE
P.O. BOX 11488
SANTURCE PR 00910-1488

REF: 1989 HAZARDOUS WASTE REPORT
Caribe GE Products, Inc.
Vega Alta Controls Plant
EPA ID No. PRD090031410

Dear Sir or Madam:

Enclosed herewith is 1989 Hazardous Waste Biennial Report for the Caribe GE Products, Inc. Vega Alta Controls plant as required by Rule 503 of the Regulation for the control of hazardous and non-hazardous solid waste of the Environmental Quality Board.

If you have any questions on this report, please contact the undersigned at (809)-883-3020.

Cordially yours,

Luis Moran
ENV. CONTACT

er

cc: Milagros Ruiz

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE GE PRODUCTS, INC.

EPA ID NO.: PRD090314110

FORM **GM**

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I

A. Waste description (Instruction Page 16): METAL HYDROXIDE ELECTROPLATING SLUDGE

B. EPA hazardous waste code (Page 16): F006

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A76

F. Form code (Page 16): B502

G. Origin (Page 16): Code B; System type M077

H. TRI constituent (Page 17): 2

I. CAS number (Page 17): 1. 2. 3. 4. 5.

SEC. II

A. Quantity generated in 1988 (Instruction Page 17): 29

B. Quantity generated in 1989 (Page 17): 24

C. UOM (Page 18): 2

D. Density (Page 18): . ☐ 1 lbs/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18)
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

SYSTEM 1
System type (Page 18): M
Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2
System type (Page 18): M
Quantity treated, disposed or recycled in 1989 (Page 18):

SEC. III

A. Was this waste shipped off site? (Instruction Page 19)
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
1st	AZD980735500	M091	26
2nd	PAD981038227	M091	3

SEC. IV

A. Waste minimization results in 1989 (Instruction Page 20)
☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W1 / W1	☐ 1 Yes		.	
W1	☐ 2 No			

COMMENTS:

GE_CARIBE001079

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

A. Waste description (Instruction Page 15): RINSE WATERS FROM ELECTROPLATING OPERATIONS CONTAINING CYANIDES

EPA hazardous waste code (Page 15): P029			C. State hazardous waste code (Page 16):
SIC code (Page 16): 3625	E. Source code (Page 16): A22	F. Form code (Page 16): B107	G. Origin (Page 16) Code: 1; System type: M / N/A
TRI constituent (Page 17): 2	I. CAS numbers (Page 17): 1. ; 2. ; 3. ; 4. ; 5.		

A. Quantity generated in 1988 (Instruction Page 17)	B. Quantity generated in 1989 (Page 17)	C. UOM (Page 18)	D. Density (Page 18)	E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18)
2600	2600	2	. 1 lbs/gal ☐ 2 kg	☒ 1 Yes (CONTINUE TO SYSTEM 1) ☐ 2 No (SKIP TO SEC. II)

SYSTEM 1		SYSTEM 2	
System type (Page 18): M072	Quantity treated, disposed or recycled in 1989 (Page 18): 2600	System type (Page 18): M / N/A	Quantity treated, disposed or recycled in 1989 (Page 18):

A. Was this waste shipped off site? (Instruction Page 19) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC. IV)

B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
	M	
	M	

A. Waste minimization results in 1989 (Instruction Page 20) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W / W / W / W	☐ 1 Yes ☐ 2 No		.	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO. P R D 0 9 0 0 3 1 4 1 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): RINSE WATER FROM ELECTROPLATING OPERATIONS CONTAINING CHROMIUM

B. EPA hazardous waste code (Page 15): D007

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): B105

G. Origin (Page 16): Code 1; System type M N A

H. TRI constituent (Page 17): 2

I. CAS numbers (Page 17): 1. 2. 3. 4. 5.

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): 6355

B. Quantity generated in 1989 (Page 17): 22,044 6355

C. UOM (Page 18): 2

D. Density (Page 18): . ☐ 1 lbs/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18): ☒ 1 Yes (CONTINUE TO SYSTEM 1) ☐ 2 No (SKIP TO SEC. III)

SYSTEM 1

System type (Page 18): M071

Quantity treated, disposed or recycled in 1989 (Page 18): 6355

SYSTEM 2

System type (Page 18): M

Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC. IV)

Site	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
1		M	
2		M	

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W W	☐ 1 Yes		.	
W W	☐ 2 No			

Comments:

GE_CARIBE001081

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I

A. Waste description (Instruction Page 15): WASTE CUTTING OIL & SOLVENTS FROM METAL FORMING OPERATION

B. EPA hazardous waste code (Page 16): D001 F005 D008

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A40

F. Form code (Page 16): B206

G. Origin (Page 16): Code 1; System type M NIA

H. TRI constituent (Page 17): 8

I. CAS numbers (Page 17): 1. 2. 3. 4. 5.

SEC. II

A. Quantity generated in 1988 (Instruction Page 17): 3

B. Quantity generated in 1989 (Page 17): 3

C. UOM (Page 18): 2

D. Density (Page 18): . 1 ☐ 1 lbs/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18): ☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

SYSTEM 1: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

SEC. III

A. Was this waste shipped off site? (Instruction Page 19): ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)

Site 1: B. EPA ID No. of facility to which waste was shipped (Instruction Page 19): PRD039971 8; C. System type (Page 19): M041; D. Total quantity shipped in 1989 (Page 19): 3

Site 2: B. EPA ID No.: ; C. System type: M; D. Total quantity shipped:

SEC. IV

A. Waste minimization results in 1989 (Instruction Page 20): ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21): W1 W1 W1

C. Other effects (Page 21): ☐ 1 Yes ☐ 2 No

D. Quantity recycled in 1989 due to new activities (Page 21):

E. Activity/Production Index (Page 21): .

F. Source Reduction Quantity (Page 22):

Comments:

GE_CARIBE001082

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): ZINC AND COPPER CYANIDES BATHS FILTER CARTRIDGES FROM PLATING SOLUTIONS

B. EPA hazardous waste code (Page 16): F007

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): B310

G. Origin (Page 16): Code 1; System type MINA

H. TRI constituent (Page 17): 8

I. CAS numbers (Page 17): 1. ; 2. ; 3. ; 4. ; 5.

Sec. II

A. Quantity generated in 1989 (Instruction Page 17): 0

B. Quantity generated in 1989 (Page 17): .3

C. UOM (Page 18): 2

D. Density (Page 18): . ☐ 1 lbs/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18)
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

SYSTEM 1
System type (Page 18): MI
Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2
System type (Page 18): MI
Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19)
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
1st	MID098011992	MI 073	.13
2nd	OHD083770100	MI	.2

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20)
☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
WI / WI	☐ 1 Yes		.	
WI / WI	☐ 2 No			

Comments:

GE_CARIBE001083

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I

A. Waste description (Instruction Page 15): CONCENTRATED CHROMIC ACID FROM PLATING OPERATIONS

B. EPA hazardous waste code (Page 15): D002 D007

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): B103

G. Origin (Page 16): Code 1; System type M NA

H. TRI constituent (Page 17): 3

I. CAS number (Page 17): 1. 07440-47-3 2. 3. 4. 5.

SEC. II

A. Quantity generated in 1988 (Instruction Page 17): 0

B. Quantity generated in 1989 (Page 17): 2

C. UOM (Page 18): 2

D. Density (Page 18): . ☒ 1 lbs/gal ☐ 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18)
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

SYSTEM 1
System type (Page 18): M
Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2
System type (Page 18): M
Quantity treated, disposed or recycled in 1989 (Page 18):

SEC. III

A. Was this waste shipped off site? (Instruction Page 19)
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

Site	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
1	DHD083377010	M121	2
2		M	

SEC. IV

A. Waste minimization results in 1989 (Instruction Page 20)
☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W W W W	☐ 1 Yes ☐ 2 No		.	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I

A. Waste description (Instruction Page 15): WASTE SLUDGE FROM ELECTRO-PLATING OPERATIONS CONSISTING OF NITRIC ACID, SODIUM HYDROXIDE AND ZINC CHLORIDE

B. EPA hazardous waste code (Page 16): D007

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): B505

G. Origin (Page 16): Code 1; System type M N A

H. TRI constituent (Page 17): 3

I. CAS numbers (Page 17): 1. 07697-37-2; 2.; 3.; 4.; 5.

SEC. II

A. Quantity generated in 1989 (Instruction Page 17): .4

B. Quantity generated in 1989 (Page 17): 0

C. UOM (Page 18): 2

D. Density (Page 18): .1; ☐ 1 lbs/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18): ☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

SYSTEM 1: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

SEC. III

A. Was this waste shipped off site? (Instruction Page 19) ☒ 1 Yes (CONTINUE TO SEC. IV) ☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
1st	OHD083370100	M119	0
2nd		M	

SEC. IV

A. Waste minimization results in 1989 (Instruction Page 20) ☐ 1 Yes (CONTINUE TO SEC. B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W1 / W1	☐ 1 Yes		.	
W1 / W1	☐ 2 No			

Comments:

GE_CARIBE001085

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

A. Waste description Instruction Page 15: CONCENTRATED SODIUM HYDROXIDE SOLUTIONS FROM PLATING BATHS

EPA hazardous waste code Page 15: D002

C. State hazardous waste code Page 16:

SIC code Page 16: 3625

E. Source code Page 16: A22

F. Form code Page 16: B106

G. Origin Page 16: Code 1; System type M NA

TRI constituent Page 17: 2

I. CAS numbers Page 17: 1. 2. 3. 4. 5.

A. Quantity generated in 1988 Instruction Page 17: 0

B. Quantity generated in 1989 Page 17: 8

C. UOM Page 18:

D. Density Page 18: 1 lbs/gal 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? Page 18: 1 Yes (CONTINUE TO SYSTEM 1) 2 No (SKIP TO SEC. III)

SYSTEM 1: System type Page 18: M; Quantity treated, disposed or recycled in 1989 Page 18:

SYSTEM 2: System type Page 18: M; Quantity treated, disposed or recycled in 1989 Page 18:

A. Was this waste shipped off site? Instruction Page 19: 1 Yes (CONTINUE TO BOX B) 2 No (SKIP TO SEC. IV)

B. EPA ID No. of facility to which waste was shipped Instruction Page 19	C. System type Page 19	D. Total quantity shipped in 1989 Page 19
0HD083377010	M121	8
	M	

A. Waste minimization results in 1989 Instruction Page 20: 1 Yes (CONTINUE TO BOX B) 2 No (THIS FORM IS COMPLETE)

B. Activity Page 21	C. Other effects Page 21	D. Quantity recycled in 1989 due to new activities Page 21	E. Activity/Production Index Page 21	F. Source Reduction Quantity Page 22
W W	1 Yes			
W W	2 No			

Comments:

GE_CARIBE001086

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I — A. Waste description (Instruction Page 15): CONCENTRATED NITRIC, SULFURIC, AND MURIATIC ACIDS FROM PLATING OPERATIONS

B. EPA hazardous waste code (Page 16): D001 D002

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): BL03

G. Origin (Page 16): Code 1; System type MNA

H. TRI constituent (Page 17): 3

I. CAS number (Page 17): 1. 07697-37-2 2. 07647-01-0 3. 07664-93-9 4. 5. 6.

SEC. II — A. Quantity generated in 1989 (Instruction Page 17): 0

B. Quantity generated in 1989 (Page 17): 12

C. UOM (Page 18): 2

D. Density (Page 18): 1.01 [X] 1 lbs/gal [ ] 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18) [ ] 1 Yes (CONTINUE TO SYSTEM 1) [X] 2 No (SKIP TO SEC. III)

SYSTEM 1: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

SEC. III — A. Was this waste shipped off site? (Instruction Page 19) [X] 1 Yes (CONTINUE TO BOX B) [ ] 2 No (SKIP TO SEC. IV)

Site 1 — B. EPA ID No. of facility to which waste was shipped (Instruction Page 19): OHD083377010 C. System type (Page 19): M121 D. Total quantity shipped in 1989 (Page 19): 12

Site 2 — B. EPA ID No.: C. System type: M D. Total quantity shipped:

SEC. IV — A. Waste minimization results in 1989 (Instruction Page 20) [ ] 1 Yes (CONTINUE TO BOX B) [X] 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21): W1 W1 / W1 W1

C. Other effects (Page 21): [ ] 1 Yes [ ] 2 No

D. Quantity recycled in 1989 due to new activities (Page 21):

E. Activity/Production Index (Page 21):

F. Source Reduction Quantity (Page 22):

Comments:

GE_CARIBE001087

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I A. Waste description Instruction Page 15: WASTE 1,1,1-TRICHLOROETHANE FROM VAPOR DEGREASER

EPA hazardous waste code Page 15: F001	C. State hazardous waste code Page 16:
SIC code Page 16: 3625	E. Source code Page 16: A07
F. Form code Page 16: B202	G. Origin Page 16: Code 1; System type M NA
TRI constituent Page 17: 3	I. CAS numbers Page 17: 1. 00071-55-6 2. 3. 4. 5.

A. Quantity generated in 1988 Instruction Page 17	B. Quantity generated in 1989 Page 17	C. UOM Page 18	D. Density Page 18	E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? Page 18
.9	1.6	2	. ☒ 1 lbs/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. II)

SYSTEM 1 System type Page 18	Quantity treated, disposed or recycled in 1989 Page 18	SYSTEM 2 System type Page 18	Quantity treated, disposed or recycled in 1989 Page 18
M		M	

SEC. II A. Was this waste shipped off site? Instruction Page 19: ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)

B. EPA ID No. of facility to which waste was shipped Instruction Page 19	C. System type Page 19	D. Total quantity shipped in 1989 Page 19
PRD090399718	M041	1.6
	M	

SEC. III A. Waste minimization results in 1989 Instruction Page 20: ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 21	C. Other effects Page 21	D. Quantity recycled in 1989 due to new activities Page 21	E. Activity/Production Index Page 21	F. Source Reduction Quantity Page 22
W W W W	☐ 1 Yes ☐ 2 No		.	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: P R D 0 9 0 0 3 1 4 1 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): DILUTED ALKALINE AND ACID RINSES FROM ELECTROPLATING OPERATION WITH ZINC, COPPER, TIN AND NICKEL

B. EPA hazardous waste code (Page 15): NA

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A 2 2

F. Form code (Page 16): B 1 0 6

G. Origin (Page 16): Code 1; System type M N A

H. TRI constituent (Page 17): 8

I. CAS numbers (Page 17): 1. 2. 3. 4. 5.

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): 20462

B. Quantity generated in 1989 (Page 17): 20689

C. UOM (Page 18): 2

D. Density (Page 18): ☐ 1 lbs/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18): XX ☒ 1 Yes (CONTINUE TO SYSTEM 1) ☐ 2 No (SKIP TO SEC. III)

SYSTEM 1

System type (Page 18): M 0 7 7

Quantity treated, disposed or recycled in 1989 (Page 18): 20689

SYSTEM 2

System type (Page 18): M NA

Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC. IV)

Site	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
1		M	
2		M	

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W W	☐ 1 Yes			
W W	☐ x No			

Comments:

GE_CARIBE001089

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS, INC.

EPA ID NO. P R D 0 9 0 0 3 1 4 1 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM **PS**

WASTE TREATMENT, DISPOSAL, OR RECYCLING PROCESS SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

A. Waste treatment, disposal or recycling system description (Instruction Page 38): CHROME REDUCTION FOLLOWED BY CHEMICAL PRECIPITATION SETTLING AND SLUDGE DEWATERING.

System type (Page 38)	C. Regulatory status (Page 38)	D. Operational status (Page 37)	E. Unit types (Page 37)
M 0 7 1	0 2	0 1	0 1

A. 1989 Influent quantity (Instruction Page 38)

		UOM	Density
Total	6 3 5 5		.
RCRA			☒ 1 lbs/gal ☐ 2 sg

B. Maximum operational capacity (Page 39)

Total	1 5 7 5 0
RCRA	

C. 1989 liquid effluent quantity

		UOM	Density
Total	6 3 4 2	2	.
RCRA			☐ 1 lbs/gal ☐ 2 sg

D. 1989 solid/sludge residual quantity (Page 41)

		UOM	Density
Total	. 0 2	2	.
RCRA	. 0 2		☐ 1 lbs/gal 2 ☐ sg

Limitations on capacity (Page 41)	F. Commercial availability code (Page 41)	G. Percent capacity commercially available (Page 42)
1. 0 1 2. 0 2 3. 0 5	1	0 %

A. Planned change in maximum operational capacity (Instruction Page 42)

☐ 1 Yes (CONTINUE TO BOX B)

☒ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity (Page 42)

		UOM
Total		
RCRA		

Planned year of change (Page 43)	D. Future commercial availability code (Page 43)	E. Percent future capacity commercially available (Page 43)
1 9		%

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS INC.

EPA ID NO. P R D 0 9 0 0 3 1 4 1 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM **PS**

WASTE TREATMENT, DISPOSAL, OR RECYCLING PROCESS SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

C. A. Waste treatment, disposal or recycling system description Instruction Page 38

OXIDATION OF CYANIDE AND METAL REMOVAL FOLLOWED BY CHEMICAL PRECIPITATION,SETTLING AND SLUDGE DEWATERING

System type Page 38	G. Regulatory status Page 38	D. Operational status Page 37	E. Unit types Page 37
M 0 7 2	0 2	0 1	0 1

D. A. 1989 influent quantity Instruction Page 39

		UOM	Density
Total	2 6 0 0	2	.
RCRA			☒ 1 lbs/gal ☐ 2 sg

B. Maximum operational capacity Page 39

Total	1 9 0 0 0
RCRA	

C. 1989 liquid effluent quantity Page 40

		UOM	Density
Total	2 5 9 1 9	2	.
RCRA			☒ 1 lbs/gal ☐ 2 sg

D. 1989 solid/sludge residual quantity Page 41

		UOM	Density
Total	0 1	2	.
RCRA	0 1		☐ 1 lbs/gal ☐ 2 sg

Limitations on capacity Page 41	E. Commercial availability code Page 41	G. Percent capacity commercially available Page 42
1. 0 1 2. 0 2 3. 0 5	1	0 %

H. A. Planned change in maximum operational capacity Instruction Page 42

☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity Page 42

		UOM
Total		
RCRA		

Planned year of change Page 43	D. Future commercial availability code Page 43	E. Percent future capacity commercially available Page 43
1 9		%

Comments:

GE_CARIBE001091

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM **PS**

WASTE TREATMENT, DISPOSAL, OR RECYCLING PROCESS SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

D. A. Waste treatment, disposal or recycling system description Instruction Page 38: CHEMICAL PRECIPITATION OF DISSOLVED METALS FROM WASTEWATER INCLUDING EQUALIZATION, FOR ADJUSTMENT, FLOCCULATION, SETTLINGS AND SLUDGE DEWATERING

System type Page 38	C. Regulatory status Page 38	D. Operational status Page 37	E. Unit types Page 37
IM07	02	01	01

D. A. 1989 influent quantity Instruction Page 38

		UOM	Density
Total	2069	2	.
RCRA			☒ 1 lbs/gal ☐ 2 sg

B. Maximum operational capacity Page 39

Total	5208
RCRA	

C. 1989 liquid effluent quantity Page 40

		UOM	Density
Total	2062	2	.
RCRA			☒ 1 lbs/gal ☐ 2 sg

D. 1989 solid/sludge residual quantity Page 41

		UOM	Density
Total	.1	4	.
RCRA	.1		☐ 1 lbs/gal ☐ 2 sg

Limitations on capacity Page 41: 1. 01 2. 02 3. 05

F. Commercial availability code Page 41: 1

G. Percent capacity commercially available Page 42: 0 %

H. A. Planned change in maximum operational capacity Instruction Page 42

☐ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity Page 42

		UOM
Total		
RCRA		

Planned year of change Page 43: 19

D. Future commercial availability code Page 43:

E. Percent future capacity commercially available Page 43: %

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM OI

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: AZD980735500

B. Name of off-site installation or transporter: WORLD RESOURCES, CO.

C. Handler type (CHECK ALL THAT APPLY): [X] Generator [ ] Transporter [X] TSDR

D. Address of off-site installation: Street 8113 W. SHERMAN ST. City PHOENIX State AZ Zip Code 85043

Site 2

A. EPA ID No. of off-site installation or transporter: PRD039971 8

B. Name of off-site installation or transporter: SAFETY KLEEN ENVIROSYSTEMS OF PR INC.

C. Handler type (CHECK ALL THAT APPLY): [X] Generator [X] Transporter [X] TSDR

D. Address of off-site installation: Street HIGHWAY #2 KM. 51.0 City MANATI State PR Zip Code 00701

Site 3

A. EPA ID No. of off-site installation or transporter: PAD981038227

B. Name of off-site installation or transporter: WORLD RESOURCES CO.

C. Handler type (CHECK ALL THAT APPLY): [X] Generator [ ] Transporter [X] TSDR

D. Address of off-site installation: Street WALNUT LANE RD #5 City POTTSVILLE State PA Zip Code 17901

Site 4

A. EPA ID No. of off-site installation or transporter: OHD083770100

B. Name of off-site installation or transporter: ENVIRONMENTAL ENTERPRISES

C. Handler type (CHECK ALL THAT APPLY): [ ] Generator [ ] Transporter [X] TSDR

D. Address of off-site installation: Street 4650 SPRING GROVE AVE. City CINNCINATTI State OH Zip Code 45232

Site 5

A. EPA ID No. of off-site installation or transporter: MID098019192

B. Name of off-site installation or transporter: CYANOKEN INC.

C. Handler type (CHECK ALL THAT APPLY): [ ] Generator [ ] Transporter [X] TSDR

D. Address of off-site installation: Street 12381 SCHAEFER HWY City DETROIT State MI Zip Code 48227

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE GE PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM 01

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: MID096963194

B. Name of off-site installation or transporter: CHEM MET SERVICES

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☒ TSDR

D. Address of off-site installation: Street: 18550 ALLEN ROAD; City: WYANDOTTE; State: MI; Zip Code: 48192-

Site 2

A. EPA ID No. of off-site installation or transporter: PRD090220732

B. Name of off-site installation or transporter: JUAN E. HERNANDEZ INC.

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR

D. Address of off-site installation: Street: ; City: ; State: ; Zip Code: -

Site 3

A. EPA ID No. of off-site installation or transporter: PRD090559360

B. Name of off-site installation or transporter: TRAILER MARINE TRANSPORT

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR

D. Address of off-site installation: Street: ; City: ; State: ; Zip Code: -

Site 4

A. EPA ID No. of off-site installation or transporter: LAD981609530

B. Name of off-site installation or transporter: PORT SERVICE TRANSPORTATION

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR

D. Address of off-site installation: Street: ; City: ; State: ; Zip Code: -

Site 5

A. EPA ID No. of off-site installation or transporter: CAD000691302

B. Name of off-site installation or transporter: SOUTHERN PACIFIC TRANSPORTATION

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☐ TSDR

D. Address of off-site installation: Street: ; City: ; State: ; Zip Code: -

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM 01

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: AZD982480741

B. Name of off-site installation or transporter: HIGHWAY EXPRESS

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [X] Transporter
- [ ] TSDR

D. Address of off-site installation
Street
City State Zip Code -

Site 2

A. EPA ID No. of off-site installation or transporter: FLD007922578

B. Name of off-site installation or transporter: RYDER RANGER

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [X] Transporter
- [ ] TSDR

D. Address of off-site installation
Street
City State Zip Code -

Site 3

A. EPA ID No. of off-site installation or transporter: AZD982316531

B. Name of off-site installation or transporter: DISTRIBUTING, INC.

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [X] Transporter
- [ ] TSDR

D. Address of off-site installation
Street
City State Zip Code -

Site 4

A. EPA ID No. of off-site installation or transporter: PAD008701072

B. Name of off-site installation or transporter: JOHN EFRAIN, INC.

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [X] Transporter
- [ ] TSDR

D. Address of off-site installation
Street
City State Zip Code -

Site 5

A. EPA ID No. of off-site installation or transporter: AZD980892020

B. Name of off-site installation or transporter: MONTY'S TRUCKING

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [X] Transporter
- [ ] TSDR

D. Address of off-site installation
Street
City State Zip Code -

Comments:

GE_CARIBE001095

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE G.E. PRODUCTS INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM OI

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: PRD000692566

B. Name of off-site installation or transporter: CARRERAS TRUCKING CO.

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation
Street
City State Zip Code

Site 2

A. EPA ID No. of off-site installation or transporter: PRD982183279

B. Name of off-site installation or transporter: HECTOR GARCIA TRANSPORT

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation
Street
City State Zip Code

Site 3

A. EPA ID No. of off-site installation or transporter: PRD007268100

B. Name of off-site installation or transporter: PR MARINE MANAGEMENT

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation
Street
City State Zip Code

Site 4

A. EPA ID No. of off-site installation or transporter: DCD981735244

B. Name of off-site installation or transporter: EASTERN CHEMICAL WASTE SYSTEMS

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street
City State Zip Code

Site 5

A. EPA ID No. of off-site installation or transporter:

B. Name of off-site installation or transporter:

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street
City State Zip Code

Comments:

General Electric Controls, Inc.

CABLE - GECON

VEGA ALTA, PUERTO RICO 00762
P.O. BOX 328

Tel. 883-3000
3020

February 28, 1984

Environmental Quality Board
P. O. Box 11488
Santurce, P. R. 00910

Att: Mr. Luis De La Cruz

Here I send the Annual Hazardous Report for 1983 for the following General Electric Plants:

1. G. E. Controls, Inc. Vega Alta
2. G. E. Pilot Devices, Inc. Vega Alta
3. G. E. Industrial Products, Inc. Manati

Eduardo Yumet

Eduardo Yumet - PROCESS ENGINEER

attachments

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

FACILITY ANNUAL HAZARDOUS WASTE REPORT

Environmental Quality Board

This report is for the calendar year ending December 31,

AFFIX LABEL HERE

Please print/type with elite type (12 characters per inch)

GENERAL INSTRUCTIONS: If you received a preprinted label attached to the mailing envelope in which this form was enclosed, affix it in the space provided. If any of the information on the label is incorrect, draw a line through it and provide the correct information in the appropriate section below. If the information is correct and complete, leave Sections I, II, and III below blank. If you did not receive a preprinted label, complete all sections. REFER TO THE SPECIFIC INSTRUCTIONS CONTAINED IN THIS BOOKLET BEFORE COMPLETING THIS FORM. The information requested in this report is required by law (Section 3004 of the Resource Conservation Recovery Act).

I. FACILITY EPA I.D. NUMBER

T.A C

F P R D 0 9 0 0 3 1 4 1 0 1

1 2 13 14 15

II. NAME OF FACILITY

G E N E R A L E L E C T R I C C O N T R O L S I N C.

30 69

III. FACILITY MAILING ADDRESS

3 P. O. BOX 328

15 16 45

Street or P.O. Box

4 VEGA ALTA PR 00762

15 16 41 42 47 51

City or Town State Zip Code

IV. LOCATION OF FACILITY (if different than section III above)

5 ROAD #2 KM 30.1

15 16 45

Street or Route number

6 VEGA ALTA PR 00762

15 16 41 42 47 51

City or Town State Zip Code

V. FACILITY CONTACT

2 EDUARDO YUMET

15 16 45

Name (last and first)

8 0 9 883 3 0 0 0

46 55

Phone No. (area code & no.)

VI. COST ESTIMATES FOR FACILITIES

$ 140 000

16 19 22

Cost Estimate for Facility Closure

$

23 29 31

Cost Estimate for Post Closure Monitoring and Maintenance (disposal facilities only)

VII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Eduardo Yumet	Process Engineer	Eduardo Yumet	2-28-84
Print Type Name	Title	Signature of Authorized Representative	Date Signed

GE_CARIBE001098

ENVIRONMENTAL QUALITY BOARD

Facility Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31,

Date received: _____

Received by: _____

VIII. FACILITY'S EPA I.D. NO. T/A C

F P R D 0 9 0 0 3 1 4 1 0 1 1
1 2 13 14 15

IX. GENERATOR'S EPA I.D. NO.

G P R D 0 9 0 0 3 1 4 1 0
16 28

X. GENERATOR NAME (specify generator from whom all wastes on this page were received)

"ON SITE"

XI. GENERATOR ADDRESS

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. EPA Hazardous Waste No. (see instructions)	C. Handling Method	D. Amount of Waste	E. Unit of Measure
29 32	1	Waste Flammable Liguid NOS Flammable Liquid UN 1993	D001 33 36 37 40 41 44 45 48	S01 49 51	1.6 52 60	M 61
	2	Waste Flammable Liguid NOS Combustible Liquid NA-1993	D001	S01	2.0	M
	3	Waste Trichloroethane NOS ORM-A Liguid UN 2831	F001	S01	0.5	M
	4	Waste Hazardous Liguid NOS ORM-E NA-9189	F006	S01	0.5	M
	5	Hazardous Waste Liquid NOS	F006	S01	3.8	M
	6					
	7					
	8					
	9					
	10					
	11					
	12					

XIII. COMMENTS (enter information by section number—see instructions)

Page ____ of ____

Do not make entries in shaded areas

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

GENERATOR ANNUAL HAZARDOUS WASTE REPORT

Environmental Quality Board

This report is for the calendar year ending December 31,

AFFIX LABEL HERE

GENERAL INSTRUCTIONS: If you received a preprinted label attached to the mailing envelope in which this form was enclosed, affix it in the space provided. If any of the information on the label is incorrect, draw a line through it and provide the correct information in the appropriate section below. If the information is correct and complete, leave Sections I, II, and III below blank. If you did not receive a preprinted label, complete all sections. REFER TO THE SPECIFIC INSTRUCTIONS CONTAINED IN THIS BOOKLET BEFORE COMPLETING THIS FORM. The information requested in this report is required by law (Section 3002 of the Resource Conservation Recovery Act).

Please print/type with elite type (12 characters per inch).

I. GENERATOR'S EPA I.D. NUMBER

T/A C

F P R D0 9 0 0 3 1 4 1 0 1 1

1 2 13 14 15

II. NAME OF INSTALLATION

GENERAL ELECTRIC CONTROLS INC

30 69

III. INSTALLATION MAILING ADDRESS

3 P.O. BOX 328

15 16 45

Street or P.O. Box

4 VEGA ALTA PR 00762

15 16 41 42 47 51

City or Town State Zip Code

IV. LOCATION OF INSTALLATION (if different than section III above)

5 ROAD #2 K.M. 30.2

15 16 45

Street or Route number

6 VEGA ALTA PR 00762

15 16 41 42 47 51

City or Town State Zip Code

V. INSTALLATION CONTACT

2 EDUARDO YUMET

15 16 45

Name (last and first)

809-883-3000

46 55

Phone No. (area code & no.)

VI. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Eduardo Yumet	Process Engineer	Eduardo Yumet	2-28-84
Print/Type Name	Title	Signature of Authorized Representative	Date Signed

GE_CARIBE001100

Do not make entries in shaded areas

ENVIRONMENTAL QUALITY BOARD

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31,

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

G R D 0 9 0 0 3 1 4 1 0 T/A C 1

VIII. FACILITY NAME (specify facility to [illegible] on this page were shipped)

Browning Ferris Industries

IX. FACILITY'S EPA I.D. NO.

F L A D 0 0 0 6 1 8 2 5 6

X. FACILITY ADDRESS

Calcasieu Disposal Facilities
Willow Springs Road
West Lake, Lousiana

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.)

Emilio Barbosa Velez, Inc. PRT000010306;Equipos de Borinquen Inc. PRT000019539; Trailer Marine Transport PRD000559360; Browning Ferris Industries LAD000618306

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
	1	Hazardous Waste Liquid,NOS	1 5	F 0 0 6	3 8	M
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

XIII. COMMENTS (enter information by section number—see instructions)

Page _____ of _____

GE_CARIBE001101

Do not make entries in shaded areas

ENVIRONMENTAL QUALITY BOARD

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31,

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

G P R D 0 9 0 0 3 1 4 1 0 T/A C 1 1

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

Chemical Waste Management Inc.

IX. FACILITY'S EPA I.D. NO.

F A L D 0 0 0 6 2 2 4 6 4

X. FACILITY ADDRESS

Emelle Facility
P. O. Box 55
Emelle, Alabama 35459

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.)

Ashland Chemical Company-PRD000706291; Trailer Marine Transport Corp.-PRD085092146; Searail Inc.-ALD077895126

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
	1	Waste Flammable Liquid NOS Flammable Liquid UN 1993		D001	1.6	M
	2	Waste Flammable Liquid NOS Combustible Liquid NA-1993		D001	2.0	M
	3	Waste Trichloroethane NOS ORM-A Liquid UN 2831		F001	0.5	M
	4	Waste Hazardous Liquid NOS ORM-E NA 9189		F006	0.5	M
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

XIII. COMMENTS (enter information by section number—see instructions)

L. MORAN

Caribe GE

Caribe General Electric Products, Inc
P.O. Box 328
Vega Alta, Puerto Rico 00762
(809) 883-3000/3020
Fax (809) 754-3188 Adm./883-3050 Other/883-4084 Pilot Plant

February 27, 1990

PUERTO RICO ENVIRONMENTAL
QUALITY BOARD
LAND POLLUTION CONTROL AREA
INSPECTION, MONITORING AND
SURVEILLANCE
P.O. BOX 11488
SANTURCE PR 00910-1488

REF: 1989 HAZARDOUS WASTE REPORT
Caribe GE Products, Inc.
Vega Alta Controls Plant
EPA ID No. PRD090031410

Dear Sir or Madam:

Enclosed herewith is 1989 Hazardous Waste Biennial Report for the Caribe GE Products, Inc. Vega Alta Controls plant as required by Rule 503 of the Regulation for the control of hazardous and non-hazardous solid waste of the Environmental Quality Board.

If you have any questions on this report, please contact the undersigned at (809)-883-3020.

Cordially yours,

Luis S. Moran

Luis Moran
ENV. CONTACT

er

cc: Milagros Ruiz

FILE COPY

Caribe GE

Caribe General Electric Products, Inc
P.O. Box 328
Vega Alta, Puerto Rico 00762
(809) 883-3000/3020
Fax (809) 754-3188 Adm./883-3050 Other/883-4084 Pilot Plant

February 27, 1990

PUERTO RICO ENVIRONMENTAL
QUALITY BOARD
LAND POLLUTION CONTROL AREA
INSPECTION, MONITORING AND
SURVEILLANCE
P.O. BOX 11488
SANTURCE PR 00910-1488

REF: 1989 HAZARDOUS WASTE REPORT
Caribe GE Products, Inc.
Vega Alta Controls Plant
EPA ID No. PRD090031410

Dear Sir or Madam:

Enclosed herewith is 1989 Hazardous Waste Biennial Report for the Caribe GE Products, Inc. Vega Alta Controls plant as required by Rule 503 of the Regulation for the control of hazardous and non-hazardous solid waste of the Environmental Quality Board.

If you have any questions on this report, please contact the undersigned at (809)-883-3020.

Cordially yours,

Luis S. Moran

Luis Moran
ENV. CONTACT

er

cc: Milagros Ruiz

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE GE PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): METAL HYDROXIDE ELECTROPLATING SLUDGE

B. EPA hazardous waste code (Page 15): F006

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A76

F. Form code (Page 16): B502

G. Origin (Page 16): Code B; System type M077

H. TRI constituent (Page 17): 2

I. CAS number (Page 17): 1. ____-__-__ 2. ____-__-__ 3. ____-__-__ 4. ____-__-__ 5. ____-__-__

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): 29

B. Quantity generated in 1989 (Page 17): 24

C. UOM (Page 18): 2

D. Density (Page 18): __.1 ☐ 1 lbs/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18)
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

SYSTEM 1
System type (Page 18): M
Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2
System type (Page 18): M
Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19)
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
Site 1	AZD980735500	M091	26
Site 2	PAD981082227	M091	3

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20)
☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W ___ W ___ W ___	☐ 1 Yes ☐ 2 No		__.__	

Comments:

GE_CARIBE001105

Sec. VI Generator Status

A. 1989 generation (CHECK ONE BOX BELOW)
Instruction page 8

- ☐ 1 No (CONTINUE TO BOX B)
- ☒ 2 LQG
- ☐ 3 SQG
- ☐ 4 CESQG

(SKIP TO SEC. VII)

B. Reason for not generating (CHECK ALL THAT APPLY)
Page 10

- ☐ 1 Never generated
- ☐ 2 Out of business
- ☐ 3 Only excluded or delisted waste
- ☐ 4 Only non-hazardous waste
- ☐ 5 Periodic or occasional generator
- ☐ 6 Waste minimization activity
- ☐ 7 Other (SPECIFY IN COMMENTS)

Sec. VII On-Site Waste Management Status

A. Storage Instruction page 11	B. RCRA treatment, recycling, or disposal Page 11	C. RCRA-exempt treatment, recycling, or disposal Page 12
1	1	3

Sec. VIII Waste Minimization Activity during 1988 or 1989

A. Did this site begin or expand a source reduction activity during 1988 or 1989?
Instruction page 12

- ☐ 1 Yes
- ☒ 2 No

B. Did this site begin or expand a recycling activity during 1988 or 1989?
Page 13

- ☐ 1 Yes
- ☒ 2 No

C. Did this site conduct a source reduction or recycling opportunity assessment during 1988 or 1989?
Page 13

- ☐ 1 Yes
- ☒ 2 No

D. What factors have limited this site from initiating new source reduction activities during 1988 or 1989?
(CHECK ALL THAT APPLY)
Page 13

- ☐ 01 No factors have limited new source reduction activities.
- ☐ 02 Insufficient capital to install new source reduction equipment or implement new source reduction practices.
- ☒ 03 Lack of technical information on source reduction techniques applicable to the specific production processes.
- ☐ 04 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ 05 Concern that product quality may decline as a result of source reduction.
- ☐ 06 Technical limitations of the production processes.
- ☐ 07 Permitting burdens.
- ☐ 08 Other (SPECIFY IN COMMENTS)

E. What factors have limited this site from initiating new on-site or off-site recycling activities during 1988 or 1989?
(CHECK ALL THAT APPLY)
Page 13

- ☐ 01 No factors have limited new recycling activities.
- ☐ 02 Insufficient capital to install new recycling equipment or implement new recycling practices.
- ☒ 03 Lack of technical information on recycling techniques applicable to this site's specific production processes.
- ☒ 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ 05 Concern that product quality may decline as a result of recycling.
- ☐ 06 Requirements to manifest wastes inhibit shipments off site for recycling.
- ☐ 07 Financial liability provisions inhibit shipments off site for recycling.
- ☐ 08 Technical limitations of product processes inhibit shipments off site for recycling.
- ☐ 09 Techical limitations of production processes inhibit on-site recycling.
- ☐ 10 Permitting burdens inhibit recycling.
- ☐ 11 Lack of permitted off-site recycling facilities.
- ☐ 12 Unable to identify a market for recyclable materials.
- ☐ 13 Other (SPECIFY IN COMMENTS)

Comments:

OMB# 2050-0024 Expires 3-31-92

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE Prod., Inc.
30.1 KM Highway #2
Vega Alta, PR 00762

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM **IC**

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 7 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I Site name and location address. Complete items A through H. Check the box ☒ in items A, B, D, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 7.

A. EPA ID No. Same as label ☐ or → PRD090031410

B. Site/company name Same as label ☐ or → Caribe G.E. Prod., Inc.

C. Has the site name associated with this EPA ID changed since 1987? ☐ 1 Yes ☒ 2 No

D. Street name and number. If not applicable, enter industrial park, building name or other physical location description. Same as label ☐ or → HIGHWAY 2, KM. 30.1

E. City, town, village, etc. Same as label ☐ or → VEGA ALTA

F. County

G. State Same as label ☐ PR

H. Zip Code Same as label ☐ 00762-

SEC. II Mailing address of site. Instruction page 7.

A. Is the mailing address the same as the location address? ☐ 1 Yes (SKIP TO SEC. III) ☒ 2 No (COMPLETE SEC. II)

B. Number and street name of mailing address: P.O. BOX 328

C. City, town, village, etc.: VEGA ALTA,

D. State: PR

E. Zip Code: 00762-

SEC. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 7.

A. Please print: Last name: MORAN First name: LUIS M.I.: A.

B. Title: PROCESS ENGINNEER

C. Telephone: 809 883-3000 Extension

SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 8.

A. 3625 B. C. D.

SEC. V I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. Number of form pages submitted: Form ID 2 Form GM 12 Form WR 0 Form PS 3

B. Please print: Last name: MORAN First name: LUIS M.I.: A.

C. Title: PROCESS ENGINEER

D. Signature: Luis A. Moran

E. Date of signature: 02 27 90 (MO. DAY YR.)

EPA Form 5700-13A/B (5-80) (Revised 11-85) (Revised 12-87) (Revised 11-88) OVER →

GE_CARIBE001107

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description, Instruction Page 15: RINSE WATERS FROM ELECTROPLATING OPERATIONS CONTAINING CYANIDES

B. EPA hazardous waste code, Page 15: P029

C. State hazardous waste code, Page 16:

D. SIC code, Page 16: 3625

E. Source code, Page 16: A22

F. Form code, Page 16: B107

G. Origin, Page 16: Code 1; System type M NA

H. TRI constituent, Page 17: 2

I. CAS numbers, Page 17: 1. ____-__-__ 2. ____-__-__ 3. ____-__-__ 4. ____-__-__ 5. ____-__-__

Sec. II

A. Quantity generated in 1988, Instruction Page 17: 2600

B. Quantity generated in 1989, Page 17: 2600

C. UOM, Page 18: 2

D. Density, Page 18: 1.1 ☒ 1 lbs/gal ☐ 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? Page 18: ☒ 1 Yes (CONTINUE TO SYSTEM 1) ☐ 2 No (SKIP TO SEC. III)

SYSTEM 1

System type, Page 18: M072

Quantity treated, disposed or recycled in 1989, Page 18: 2600

SYSTEM 2

System type, Page 18: M NA

Quantity treated, disposed or recycled in 1989, Page 18:

Sec. III

A. Was this waste shipped off site? Instruction Page 19: ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped, Instruction Page 19	C. System type, Page 19	D. Total quantity shipped in 1989, Page 19
Site 1		M	
Site 2		M	

Sec. IV

A. Waste minimization results in 1989, Instruction Page 20: ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity, Page 21	C. Other effects, Page 21	D. Quantity recycled in 1989 due to new activities, Page 21	E. Activity/Production Index, Page 21	F. Source Reduction Quantity, Page 22
W W W W	☐ 1 Yes ☐ 2 No		.	

Comments:

GE_CARIBE001108

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): RINSE WATER FROM ELECTROPLATING OPERATIONS CONTAINING CHROMIUM

B. EPA hazardous waste code (Page 15): D007

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): B105

G. Origin (Page 16): Code 1; System type MIN

H. TRI constituent (Page 17): 2

I. CAS numbers (Page 17): 1. ; 2. ; 3. ; 4. ; 5.

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): 6355

B. Quantity generated in 1989 (Page 17): 6355 (22,044)

C. UOM (Page 18): 2

D. Density (Page 18): . ☐ 1 lbs/gal ☐ 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18): ☒ 1 Yes (CONTINUE TO SYSTEM 1) ☐ 2 No (SKIP TO SEC. III)

I. correct.

SYSTEM 1

System type (Page 18): M011

Quantity treated, disposed or recycled in 1989 (Page 18): 6355

SYSTEM 2

System type (Page 18): M

Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
Site 1		M	
Site 2		M	

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W W	☐ 1 Yes ☐ 2 No		.	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): WASTE CUTTING OIL & SOLVENTS FROM METAL FORMING OPERATION

B. EPA hazardous waste code (Page 15): D001 F005 D008

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A40

F. Form code (Page 16): B206

G. Origin (Page 16): Code 1; System type M / NIA

H. TRI constituent (Page 17): 8

I. CAS number (Page 17): 1. 2. 3. 4. 5.

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): 3

B. Quantity generated in 1989 (Page 17): 3

C. UOM (Page 18): 2

D. Density (Page 18): 1 lbs/gal 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18): 1 Yes (CONTINUE TO SYSTEM 1) X 2 No (SKIP TO SEC. III)

SYSTEM 1

System type (Page 18): M

Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2

System type (Page 18): M

Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19): X 1 Yes (CONTINUE TO BOX B) 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
Site 1	PRD039971 8	M041	3
Site 2		M	

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20): 1 Yes (CONTINUE TO BOX B) X 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W / W / W	1 Yes 2 No			

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): ZINC AND COPPER CYANIDES BATHS FILTER CARTRIDGES FROM PLATING SOLUTIONS

B. EPA hazardous waste code (Page 15): F007

C. State hazardous waste code (Page 15):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): B310

G. Origin (Page 16): Code 1; System type M N A

H. TRI constituent (Page 17): 8

I. CAS number (Page 17): 1. ____ 2. ____ 3. ____ 4. ____ 5. ____

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): 0

B. Quantity generated in 1989 (Page 17): .3

C. UOM (Page 18): 2

D. Density (Page 18): ____ . ____ ☐ 1 lbs/gal ☐ 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18)
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

SYSTEM 1
System type (Page 18): M
Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2
System type (Page 18):
Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19)
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
Site 1	MID098011992	M073	.13
Site 2	OHD083770100	M	.2

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20)
☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21): W W W W

C. Other effects (Page 21): ☐ 1 Yes ☐ 2 No

D. Quantity recycled in 1989 due to new activities (Page 21):

E. Activity/Production Index (Page 21): ____ . ____

F. Source Reduction Quantity (Page 22):

Comments:

GE_CARIBE001111

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description, Instruction Page 15: CONCENTRATED CHROMIC ACID FROM PLATING OPERATIONS

B. EPA hazardous waste code, Page 15: D002 D007

C. State hazardous waste code, Page 16:

D. SIC code, Page 16: 3625

E. Source code, Page 16: A22

F. Form code, Page 16: B103

G. Origin, Page 16: Code 1; System type M NA

H. TRI constituent, Page 17: 3

I. CAS numbers, Page 17: 1. 074440-47-3 2. 3. 4. 5.

Sec. II

A. Quantity generated in 1988, Instruction Page 17: 0

B. Quantity generated in 1989, Page 17: 2

C. UOM, Page 18: 2

D. Density, Page 18: . ☐ 1 lbs/gal ☐ 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? Page 18: ☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

SYSTEM 1

System type, Page 18: M

Quantity treated, disposed or recycled in 1989, Page 18:

SYSTEM 2

System type, Page 18: M

Quantity treated, disposed or recycled in 1989, Page 18:

Sec. III

A. Was this waste shipped off site? Instruction Page 19: ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped, Instruction Page 19	C. System type, Page 19	D. Total quantity shipped in 1989, Page 19
Site 1	DHD083377010	M121	2
Site 2		M	

Sec. IV

A. Waste minimization results in 1989, Instruction Page 20: ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity, Page 21: W W W W

C. Other effects, Page 21: ☐ 1 Yes ☐ 2 No

D. Quantity recycled in 1989 due to new activities, Page 21:

E. Activity/Production Index, Page 21: .

F. Source Reduction Quantity, Page 22:

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): WASTE SLUDGE FROM ELECTRO-PLATING OPERATIONS CONSISTING OF NITRIC ACID, SODIUM HYDROXIDE AND ZINC CHLORIDE

B. EPA hazardous waste code (Page 15): D007

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): B505

G. Origin (Page 16): Code 1; System type MNA

H. TRI constituent (Page 17): 3

I. CAS number (Page 17): 1. 07697-37-2; 2.; 3.; 4.; 5.

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): .4

B. Quantity generated in 1989 (Page 17): 0

C. UOM (Page 18): 2

D. Density (Page 18): . 1; ☐ 1 lbs/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18): ☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

SYSTEM 1: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19) ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
Site 1	OHD083377010	M119	0
Site 2		M	

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W; W; W; W	☐ 1 Yes ☐ 2 No		.	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description Instruction Page 15: CONCENTRATED SODIUM HYDROXIDE SOLUTIONS FROM PLATING BATHS

B. EPA hazardous waste code Page 15: D002

C. State hazardous waste code Page 16:

D. SIC code Page 16: 3625

E. Source code Page 16: A22

F. Form code Page 16: B106

G. Origin Page 16: Code 1; System type M NA

H. TRI constituent Page 17: 2

I. CAS numbers Page 17: 1. 2. 3. 4. 5.

Sec. II

A. Quantity generated in 1988 Instruction Page 17: 0

B. Quantity generated in 1989 Page 17: 8

C. UOM Page 18:

D. Density Page 18: 1 lbs/gal 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? Page 18: 1 Yes (CONTINUE TO SYSTEM 1) 2 No (SKIP TO SEC. III)

SYSTEM 1: System type Page 18: M; Quantity treated, disposed or recycled in 1989 Page 18:

SYSTEM 2: System type Page 18: M; Quantity treated, disposed or recycled in 1989 Page 18:

Sec. III

A. Was this waste shipped off site? Instruction Page 19: 1 Yes (CONTINUE TO BOX B) 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped Instruction Page 19	C. System type Page 19	D. Total quantity shipped in 1989 Page 19
Site 1	OHD083377010	M121	8
Site 2		M	

Sec. IV

A. Waste minimization results in 1989 Instruction Page 20: 1 Yes (CONTINUE TO BOX B) 2 No (THIS FORM IS COMPLETE)

B. Activity Page 21: W W W W

C. Other effects Page 21: 1 Yes 2 No

D. Quantity recycled in 1989 due to new activities Page 21:

E. Activity/Production Index Page 21:

F. Source Reduction Quantity Page 22:

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): CONCENTRATED NITRIC, SULFURIC, AND MURIATIC ACIDS FROM PLATING OPERATIONS

B. EPA hazardous waste code (Page 15): D001 D002

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): BL03

G. Origin (Page 16): Code 1; System type M N A

H. TRI constituent (Page 17): 3

I. CAS numbers (Page 17): 1. 07697-37-2 2. 07647-01-0 3. 07664-93-9 4. 5. 6.

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): 0

B. Quantity generated in 1989 (Page 17): 12

C. UOM (Page 18): 2

D. Density (Page 18): 1.1 ☒ 1 lbs/gal ☐ 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18) ☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

SYSTEM 1: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19) ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
Site 1	OHD083770100	M121	12
Site 2		M	

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W W / W W	☐ 1 Yes ☐ 2 No		.	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD 009 003 141 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): WASTE SLUDGES FROM ZONC AND NICKEL ELECTROPLATING BATHS

B. EPA hazardous waste code (Page 15): D002

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): B505

G. Origin (Page 16): Code 1; System type M N A

H. TRI constituent (Page 17): 3

I. CAS numbers (Page 17): 1. 07647-01-0 2. 07664-93-9 3. 4. 5.

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): .2

B. Quantity generated in 1989 (Page 17): .3

C. UOM (Page 18): 2

D. Density (Page 18): . ☐ 1 lbs/gal ☐ 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18): ☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

SYSTEM 1: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2: System type (Page 18): M; Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19) ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
Site 1	MID 096 963 194	M 121	.3
Site 2		M	

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W W / W W	☐ 1 Yes ☐ 2 No		.	

Comments:

GE_CARIBE001116

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE G.E. PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): WASTE 1,1,1-TRICHLOROETHANE FROM VAPOR DEGREASER

B. EPA hazardous waste code (Page 15): F001

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A07

F. Form code (Page 16): B202

G. Origin (Page 16): Code 1; System type M NA

H. TRI constituent (Page 17): 3

I. CAS numbers (Page 17): 1. 000071-55-6; 2.; 3.; 4.; 5.

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): .9

B. Quantity generated in 1989 (Page 17): 1.6

C. UOM (Page 18): 2

D. Density (Page 18): . 1 lbs/gal 2 sg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18)
- 1 Yes (CONTINUE TO SYSTEM 1)
- 2 No (SKIP TO SEC. III)

SYSTEM 1
System type (Page 18): M
Quantity treated, disposed or recycled in 1989 (Page 18):

SYSTEM 2
System type (Page 18): M
Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19)
- 1 Yes (CONTINUE TO BOX B)
- 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
Site 1	PRD090391718	M014	1.6
Site 2		M	

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20)
- 1 Yes (CONTINUE TO BOX B)
- 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W W W W	1 Yes 2 No		.	

Comments:

GE_CARIBE001117

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE G.E. PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 15): DILUTED ALKALINE AND ACID RINSES FROM ELECTROPLATING OPERATION WITH ZINC, COPPER, TIN AND NICKEL

B. EPA hazardous waste code (Page 15): NA

C. State hazardous waste code (Page 16):

D. SIC code (Page 16): 3625

E. Source code (Page 16): A22

F. Form code (Page 16): B106

G. Origin (Page 16): Code 1; System type M N A

H. TRI constituent (Page 17): 8

I. CAS numbers (Page 17): 1. ____-__-_ 2. ____-__-_ 3. ____-__-_ 4. ____-__-_ 5. ____-__-_

Sec. II

A. Quantity generated in 1988 (Instruction Page 17): 20462

B. Quantity generated in 1989 (Page 17): 20689

C. UOM (Page 18): 2

D. Density (Page 18): ___.__ ☐ 1 lbs/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? (Page 18): ☒ 1 Yes (CONTINUE TO SYSTEM 1) ☐ 2 No (SKIP TO SEC. III)

SYSTEM 1

System type (Page 18): M07 7

Quantity treated, disposed or recycled in 1989 (Page 18): 20689

SYSTEM 2

System type (Page 18): M NA

Quantity treated, disposed or recycled in 1989 (Page 18):

Sec. III

A. Was this waste shipped off site? (Instruction Page 19) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility to which waste was shipped (Instruction Page 19)	C. System type (Page 19)	D. Total quantity shipped in 1989 (Page 19)
Site 1		M	
Site 2		M	

Sec. IV

A. Waste minimization results in 1989 (Instruction Page 20) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 21)	C. Other effects (Page 21)	D. Quantity recycled in 1989 due to new activities (Page 21)	E. Activity/Production Index (Page 21)	F. Source Reduction Quantity (Page 22)
W W	☐ 1 Yes		___.__	
W W	☐ 2 No			

Comments:

GE_CARIBE001118

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM **PS**

WASTE TREATMENT, DISPOSAL, OR RECYCLING PROCESS SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste treatment, disposal or recycling system description (Instruction Page 38): CHROME REDUCTION FOLLOWED BY CHEMICAL PRECIPITATION SETTLING AND SLUDGE DEWATERING.

B. System type (Page 38)	C. Regulatory status (Page 38)	D. Operational status (Page 37)	E. Unit types (Page 37)
M 071	02	01	01

Sec. II

A. 1989 Influent quantity (Instruction Page 38)

		UOM	Density
Total	6355		
RCRA			☒ 1 lbs/gal ☐ 2 sg

B. Maximum operational capacity (Page 39)

Total	157510
RCRA	

C. 1989 liquid effluent quantity

		UOM	Density
Total	6342	2	
RCRA			☐ 1 lbs/gal ☐ 2 sg

D. 1989 solid/sludge residual quantity (Page 41)

		UOM	Density
Total	.02	2	
RCRA	.02		☐ 1 lbs/gal 2 ☐ sg

E. Limitations on capacity (Page 41): 1. 01 2. 02 3. 05

F. Commercial availability code (Page 41): 1

G. Percent capacity commercially available (Page 42): 0 %

Sec. III

A. Planned change in maximum operational capacity (Instruction Page 42)

☐ 1 Yes (CONTINUE TO BOX B)

☒ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity (Page 42)

		UOM
Total		
RCRA		

C. Planned year of change (Page 43): 19

D. Future commercial availability code (Page 43):

E. Percent future capacity commercially available (Page 43): %

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM **PS**

WASTE TREATMENT, DISPOSAL, OR RECYCLING PROCESS SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste treatment, disposal or recycling system description (Instruction Page 38): OXIDATION OF CYANIDE AND METAL REMOVAL FOLLOWED BY CHEMICAL PRECIPITATION,SETTLING AND SLUDGE DEWATERING

B. System type (Page 38)	C. Regulatory status (Page 38)	D. Operational status (Page 37)	E. Unit types (Page 37)
M072	02	01	01

Sec. II

	A. 1989 Influent quantity (Instruction Page 38)	UOM	Density	B. Maximum operational capacity (Page 39)
Total	2600	2	.	1900
RCRA			☒ 1 lbs/gal ☐ 2 sg	

	C. 1989 Liquid effluent quantity (Page 40)	UOM	Density	D. 1989 solid/sludge residual quantity (Page 41)	UOM	Density
Total	1259	2	.	01	2	.
RCRA			☒ 1 lbs/gal ☐ 2 sg	01		☐ 1 lbs/gal ☐ 2 sg

E. Limitations on capacity (Page 41)	F. Commercial availability code (Page 41)	G. Percent capacity commercially available (Page 42)
1. 01 2. 02 3. 05	1	0 %

Sec. III

A. Planned change in maximum operational capacity (Instruction Page 42)

☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)

	B. New maximum operational capacity (Page 42)	UOM
Total		
RCRA		

C. Planned year of change (Page 43)	D. Future commercial availability code (Page 43)	E. Percent future capacity commercially available (Page 43)
19		%

Comments:

GE_CARIBE001120

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM **PS**

WASTE TREATMENT, DISPOSAL, OR RECYCLING PROCESS SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste treatment, disposal or recycling system description (Instruction Page 38): CHEMICAL PRECIPITATION OF DISSOLVED METALS FROM WASTEWATER INCLUDING EQUALIZATION, FOR ADJUSTMENT, FLOCCULATION, SETTLINGS AND SLUDGE DEWATERING

B. System type (Page 38)	C. Regulatory status (Page 38)	D. Operational status (Page 37)	E. Unit types (Page 37)
IM017	02	01	01

Sec. II

	A. 1989 Influent quantity (Instruction Page 38)	UOM	Density	B. Maximum operational capacity (Page 39)
Total	20689	2	.	52088
RCRA			☒ 1 lbs/gal ☐ 2 sg	

	C. 1989 treated effluent quantity (Page 41)	UOM	Density	D. 1989 solid/sludge residual quantity (Page 41)	UOM	Density
Total	20628	2	.	1	4	.
RCRA			☒ 1 lbs/gal ☐ 2 sg	1		☐ 1 lbs/gal ☐ 2 sg

E. Limitations on capacity (Page 41)	F. Commercial availability code (Page 41)	G. Percent capacity commercially available (Page 42)
1. 01 2. 02 3. 05	1	0 %

Sec. III

A. Planned change in maximum operational capacity (Instruction Page 42)

☐ 1 Yes (CONTINUE TO BOX B)

☐ 2 No (THIS FORM IS COMPLETE)

	B. New maximum operational capacity (Page 42)	UOM
Total		
RCRA		

C. Planned year of change (Page 43)	D. Future commercial availability code (Page 43)	E. Percent future capacity commercially available (Page 43)
19		%

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM **OI**

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: AZD980735500

B. Name of off-site installation or transporter: WORLD RESOURCES, CO.

C. Handler type (CHECK ALL THAT APPLY): [X] Generator [ ] Transporter [X] TSDR

D. Address of off-site installation: Street 8113 W. SHERMAN ST. City PHOENIX State AZ Zip Code 85043-

Site 2

A. EPA ID No. of off-site installation or transporter: PRD039971 8

B. Name of off-site installation or transporter: SAFETY KLEEN ENVIROSYSTEMS OF PR INC.

C. Handler type (CHECK ALL THAT APPLY): [X] Generator [X] Transporter [X] TSDR

D. Address of off-site installation: Street HIGHWAY #2 KM. 51.0 City MANATI State PR Zip Code 00701-

Site 3

A. EPA ID No. of off-site installation or transporter: PAD981038227

B. Name of off-site installation or transporter: WORLD RESOURCES CO.

C. Handler type (CHECK ALL THAT APPLY): [X] Generator [ ] Transporter [X] TSDR

D. Address of off-site installation: Street WALNUT LANE RD #5 City POTTSVILLE State PA Zip Code 17901-

Site 4

A. EPA ID No. of off-site installation or transporter: OHD083770100

B. Name of off-site installation or transporter: ENVIRONMENTAL ENTERPRISES

C. Handler type (CHECK ALL THAT APPLY): [ ] Generator [ ] Transporter [X] TSDR

D. Address of off-site installation: Street 4650 SPRING GROVE AVE. City CINNCINATTI State OH Zip Code 45232-

Site 5

A. EPA ID No. of off-site installation or transporter: MID098019192

B. Name of off-site installation or transporter: CYANOKEN INC.

C. Handler type (CHECK ALL THAT APPLY): [ ] Generator [ ] Transporter [X] TSDR

D. Address of off-site installation: Street 12381 SCHAEFER HWY City DETROIT State MI Zip Code 48227-

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE GE PRODUCTS, INC.

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM OI

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: MID096963194

B. Name of off-site installation or transporter: CHEM MET SERVICES

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [X] Transporter
- [X] TSDR

D. Address of off-site installation:
Street: 18550 ALLEN ROAD
City: WYANDOTTE State: MI Zip Code: 48192-

Site 2

A. EPA ID No. of off-site installation or transporter: PRD090220732

B. Name of off-site installation or transporter: JUAN E. HERNANDEZ INC.

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [X] Transporter
- [ ] TSDR

D. Address of off-site installation:
Street:
City: State: Zip Code: -

Site 3

A. EPA ID No. of off-site installation or transporter: PRD090555936 0

B. Name of off-site installation or transporter: TRAILER MARINE TRANSPORT

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [X] Transporter
- [ ] TSDR

D. Address of off-site installation:
Street:
City: State: Zip Code: -

Site 4

A. EPA ID No. of off-site installation or transporter: LAD981609530

B. Name of off-site installation or transporter: PORT SERVICE TRANSPORTATION

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [X] Transporter
- [ ] TSDR

D. Address of off-site installation:
Street:
City: State: Zip Code: -

Site 5

A. EPA ID No. of off-site installation or transporter: CAD006913202

B. Name of off-site installation or transporter: SOUTHERN PACIFIC TRANSPORTATION

C. Handler type (CHECK ALL THAT APPLY):
- [ ] Generator
- [ ] Transporter
- [ ] TSDR

D. Address of off-site installation:
Street:
City: State: Zip Code: -

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE G.E. PRODUCTS INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

OFF-SITE IDENTIFICATION

FORM OI

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1	
A. EPA ID No. of off-site installation or transporter: PRD000692566	B. Name of off-site installation or transporter: CARRERAS TRUCKING CO.
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Site 2	
A. EPA ID No. of off-site installation or transporter: PRD982183279	B. Name of off-site installation or transporter: HECTOR GARCIA TRANSPORT
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Site 3	
A. EPA ID No. of off-site installation or transporter: PRD007268100	B. Name of off-site installation or transporter: PR MARINE MANAGEMENT
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Site 4	
A. EPA ID No. of off-site installation or transporter: DCD981735244	B. Name of off-site installation or transporter: EASTERN CHEMICAL WASTE SYSTEMS
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☐ TSDR	D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Site 5	
A. EPA ID No. of off-site installation or transporter:	B. Name of off-site installation or transporter:
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☐ TSDR	D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE GE PRODUCTS, INC.

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

OFF-SITE IDENTIFICATION

FORM OI

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: AZD982480741

B. Name of off-site installation or transporter: HIGHWAY EXPRESS

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR

D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Site 2

A. EPA ID No. of off-site installation or transporter: FLD000792257 8

B. Name of off-site installation or transporter: RYDER RANGER

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR

D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Site 3

A. EPA ID No. of off-site installation or transporter: AZD982316531

B. Name of off-site installation or transporter: DISTRIBUTING, INC.

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR

D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Site 4

A. EPA ID No. of off-site installation or transporter: PAD008701072

B. Name of off-site installation or transporter: JOHN EFRAIN, INC.

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR

D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Site 5

A. EPA ID No. of off-site installation or transporter: AZD980892020

B. Name of off-site installation or transporter: MONTY'S TRUCKING

C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR

D. Address of off-site installation: Street ____ City ____ State ____ Zip Code ____-____

Comments:

P 524 786 833

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to MR. SANTOS ROHENA PRESIDENT	
Street and No. STATE EMERG RESPONSE P.O. BOX 11488	
P.O., State and ZIP Code SANTURCE, PR 00910	
Postage	$ 65
Certified Fee	
Special Delivery Fee	85
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 240
Postmark or Date	

PS Form 3800, June 1985 U.S.G.P.O. 1989-234-555

P 524 786 834

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Parque Lombardo Edward Fernandez	
Street and No. Calle Gabriel Hernandez 64	
P.O., State and ZIP Code Vega Alta PR 00762	
Postage	$ 65
Certified Fee	
Special Delivery Fee	90
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	85
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 240
Postmark or Date	

PS Form 3800, June 1985 U.S.G.P.O. 1989-234-555

P 524 786 831

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to ENVIRONMENTAL QUAL. BOARD OF PR	
Street and No. P.O. BOX 11488 SANTURCE, PR 00910	
P.O., State and ZIP Code ATTN: WATER QUAL.BOAR	
Postage	$ 65
Certified Fee	85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 240
Postmark or Date	

PS Form 3800, June 1985 U.S.G.P.O. 1989-234-555

P 524 786 832

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to PUERTO RICO ENVIRION. QUALITY BOARD	
Street and No. P.O. BOX 11488	
P.O., State and ZIP Code SANTURCE, PR 00910-1488	
Postage	$ 25
Certified Fee	
Special Delivery Fee	90
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	85
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 300
Postmark or Date	

PS Form 3800, June 1985 U.S.G.P.O. 1989-234-555

OMB#: 2050-0024 Expires 8/31/96

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. INTERNATIONAL CONTROLS CORP.

EPA ID NO: P R D 0 9 0 0 3 1 4 1

FORM 1C

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 9 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I Site name and location address. Complete A through H. Check the box ☐ in items A, C, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 10.

A. EPA ID No.
Same as label ☐ or — P R D 0 9 0 0 3 1 4 1 0

B. County

C. Site/company name
Same as label ☐ or —

D. Has the site name associated with this EPA ID changed since 1993? ☐ 1 Yes ☒ 2 No

E. Street name and number. If not applicable, enter industrial park, building name, or other physical location description.
Same as label ☐ or — HIGHWAY NO. 2 KM 30.2

F. City, town, village, etc.
Same as label ☐ or — VEG ALTA

G. State
Same as label P R

H. Zip Code
Same as label 0 0 6 9 2 -

Sec. II Mailing address of site. Instruction page 10.

A. Is the mailing address the same as the location address? ☐ 1 Yes (SKIP TO SEC. III) ☒ 2 No (GO TO BOX B)

B. Number and street name of mailing address
P. O. BOX 328

C. City, town, village, etc.
VEG ALTA

D. State
P R

E. Zip Code
0 0 6 9 2 -

Sec. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 10.

A. Please print: Last Name First name M.I.
ORTIZ , GERARDO

B. Title
ENVIRONMENTAL MANAGER

C. Telephone
8 0 9 2 7 0 - 7 0 0 2
Extension

Sec. IV "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A. Please print: Last Name First name M.I.
CONCEPCION, EMILIO

B. Title
PLANT MANAGER

C. Signature
Emilio Concepcion

D. Date of signature
0 2 2 9 9 6
MO. DAY YR.

EPA Form 8700-13A/B (Revised 8-95)

Over —

FORM WR

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARIBE GE INTERNATIONAL CONTROLS CORP

EPA ID NO: P.R.D. 090 031 410

FORM WR

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

WASTE RECEIVED FROM OFF-SITE

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1995 Hazardous Waste Report booklet before completing this form.

Waste 1

A. Description of hazardous waste instruction page 30. N/A

B. EPA hazardous waste code Page 31.

C. State hazardous waste code Page 31.

D. Off-site source EPA ID number Page 31.

E. Quantity received in 1995 Page 31.

F. UOM Page 31. Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste form code Page 32.

H. RCRA-radioactive mixed Page 32.

I. System type Page 32.

Waste 2

A. Description of hazardous waste instruction page 30.

B. EPA hazardous waste code Page 31.

C. State hazardous waste code Page 31.

D. Off-site source EPA ID number Page 31. ☐ Check if ID same as in Waste 1

E. Quantity received in 1995 Page 31.

F. UOM Page 31. Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste form code Page 32.

H. RCRA-radioactive mixed Page 32.

I. System type Page 32.

Waste 3

A. Description of hazardous waste instruction page 30.

B. EPA hazardous waste code Page 31.

C. State hazardous waste code Page 31.

D. Off-site source EPA ID number Page 31. ☐ Check if ID same as in Waste 2

E. Quantity received in 1995 Page 31.

F. UOM Page 31. Density ☐ 1 lbs/gal ☐ 2 sg

G. Waste form code Page 32.

H. RCRA-radioactive mixed Page 32.

I. System type Page 32.

Comments:

THIS FACILITY DOES NOT RECEIVED WASTE FROM OUTSIDE FACILITY.

FORM PS

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE GE INTERNATIONAL CONTROLS CORP

EPA ID NO: P R D 0 9 0 0 3 1 4 1 0

FORM PS

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

WASTE TREATMENT, DISPOSAL, OR RECYCLING PROCESS SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 33 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste treatment, disposal, or recycling system description
Instruction Page 38.
N/A

B. System type Page 38.	C. Regulatory status Page 39.	D. Operational status Page 39.	E. Unit types Page 39.
M			

Sec. II

A. 1995 influent quantity
Instruction page 40.
Total
RCRA
UOM Density
1 lb/gal 2 kg

B. Maximum operational capacity
Page 41.
Total
RCRA

C. 1995 liquid effluent quantity
Instruction page 42.
Total
RCRA
UOM Density
1 lb/gal 2 kg

D. 1995 sludge/residual quantity
Page 43.
Total
RCRA
UOM Density
1 lb/gal 2 kg

E. Limitation on maximum operational capacity Page 43.	F. Commercial capacity availability code Page 43.	G. Percent capacity commercially available Page 43.
1. 2. 3.		%

Comments:

THIS FACILITY DOES NOT TREATMENT, DISPOSAL, OR RECYCLING PROCESS SYSTEM WASTE.

FORM OI

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. INTERNATIONAL CONTROLS CORP.

EPA ID NO: P R D 0 9 0 0 3 1 4 1 0

FORM OI

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the reverse side before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: 1 0 0 9 8 0 5 5 5 1 8 9

B. Name of off-site installation or transporter: CLEAN HARBORS, INC

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☐ Transporter
- ☒ TSDR

D. Address of off-site installation:
Street: 1910 RUSSELL STREET
City: BALTIMORE, MD
State: M D Zip: 2 1 2 3 0 - _ _ _ _

Site 2

A. EPA ID No. of off-site installation or transporter: P R D 9 8 2 1 8 3 2 7 9

B. Name of off-site installation or transporter: HECTOR L. GARCIA

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation:
Street:
City:
State: _ _ Zip: _ _ _ _ - _ _ _ _

Site 3

A. EPA ID No. of off-site installation or transporter: C A D 0 5 0 8 0 6 8 5 0

B. Name of off-site installation or transporter: ROLLINGS ENVIRONMENTAL SERVICES

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☐ Transporter
- ☒ TSDR

D. Address of off-site installation:
Street: 5756 ALBA STREET
City: LOS ANGELES
State: C A Zip: 9 0 0 5 8 - _ _ _ _

Site 4

A. EPA ID No. of off-site installation or transporter: P R D 0 9 0 2 2 0 7 3 2

B. Name of off-site installation or transporter: JUAN HERNANDEZ, INC.

C. Handler type (CHECK ALL THAT APPLY):
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation:
Street:
City:
State: _ _ Zip: _ _ _ _ - _ _ _ _

Site 5

A. EPA ID No. of off-site installation or transporter: F L D 9 8 1 4 7 4 8 0 2

B. Name of off-site installation or transporter: LAW LAID ENV. SERVICE (TS) INC.

C. Handler type (CHECK ALL THAT APPLY):
- ☒ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation:
Street: 5303 128TH AVENUE NORTH
City: CLEARWATER
State: F L Zip: 3 4 6 2 0 - _ _ _ _

Comments:

FORM 01

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. INTERNATIONAL CONTROLS, CORP.

EPA ID NO: P.R.D. 0.2.0. 0.4.1. 3.1.0

FORM 01

U.S. ENVIRONMENTAL PROTECTION AGENCY

1995 Hazardous Waste Report

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the reverse side before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter: P.R.D. 0.0.0. 7.2.6. 8.1.0

B. Name of off-site installation or transporter: PUERTO RICO MARINE MANAGEMENT, INC.

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☒ Transporter
- ☐ TSDR

D. Address of off-site installation
Street
City
State Zip

Site 2

A. EPA ID No. of off-site installation or transporter

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street
City
State Zip

Site 3

A. EPA ID No. of off-site installation or transporter: O.H.D. 0.0.0. 8.1.6. 6.2.9.

B. Name of off-site installation or transporter: SPRING GROVE RESOURCE RECOVERY, INC.

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☒ TSDR

D. Address of off-site installation
Street 4879 SPRING GROVE AVENUE
City CINCINNATI, OH 45232
State O.H. Zip 4.5.2.3.2.

Site 4

A. EPA ID No. of off-site installation or transporter

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street
City
State Zip

Site 5

A. EPA ID No. of off-site installation or transporter

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR

D. Address of off-site installation
Street
City
State Zip

Comments:

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: Caribe GE International Controls

EPA ID NO: PRD 090 003 141

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY

1993 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 18 of the 1993 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

WASTE RAGS AND FILTERS USED IN PAINT BOOTH SYSTEMS.

B. EPA hazardous waste code Page 18.

F003

N/A

C. State hazardous waste code Page 19.

N/A

D. SIC code Page 19.	E. Origin code Page 19 System Type	F. Source code Page 20.	G. Point of measurement Page 20.	H. Form code Page 20.	I. RCRA - radioactive mixed Page 20.
3625	N/A	21	1	409	2

Sec. II

A. Quantity generated in 1992 Instruction Page 21.	B. Quantity generated in 1993 Page 21.	C. UOM Page 21.	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
1.4	1.1	2 ☐ 1 lb/gal ☐ 2 sg	☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.

Quantity treated, disposed, or recycled on site in 1993

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.

Quantity treated, disposed, or recycled on site in 1993

Sec. III

A. Was any of this waste shipped off-site in 1993 Instruction page 23. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1993 Page 23.
Site 1	MDD 980 555 189	061	1	1.1
Site 2	N/A	N/A		

Sec. IV

A. Did new activities in 1993 result in minimization of this waste? Instruction page 24. ☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 24.	D. Quantity recycled in 1993 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1993 source reduction quantity Page 26.
W W W W	☐ 1 Yes ☐ 2 No			

Comments:

Page 2 of

NOV 10 '97 09:54 FR CARIBE G.E. ADMIN. 787 288 2460 TO CONT P.04/15

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE GE INTERNATIONAL CONTROLS CORP.

EPA ID NO: PRD 090 003 141

U.S. ENVIRONMENTAL PROTECTION AGENCY

1993 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 18 of the 1993 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

WASTE RESIN SOLUTION DISCARDED FROM MOLDED PARTD PROCESSS

B. EPA hazardous waste code Page 19.: D001 N/A

C. State hazardous waste code Page 19.: N/A

D. SIC code Page 19.: 3625

E. Origin code Page 19 System Type: N/A

F. Source code Page 20.: A41

G. Point of measurement Page 20.: 1

H. Form code Page 20.: 402

I. RCRA - radioactive mixed Page 20.: 2

Sec. II

A. Quantity generated in 1992 Instruction Page 21.: 2.6

B. Quantity generated in 1993 Page 21.: 3.2

C. UOM Page 21.: 2 Density: ☐ 1 lb/gal ☐ 2 kg

D. Did this site do any of the following to this waste: treat, store on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.:

Quantity treated, disposed, or recycled on site in 1993: N/A

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.:

Quantity treated, disposed, or recycled on site in 1993:

Sec. III

A. Was any of this waste shipped off-site in 1993 Instruction page 23.
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1993 Page 23.
Site 1	MDD 980 656 188	043	2	2.3
Site 2	LAD 010 395 127	043	1	

Sec. IV

A. Did new activities in 1993 result in minimization of this waste? Instruction page 24.
☐ 1 Yes (CONTINUE TO SYSTEM 7)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 24.	D. Quantity recycled in 1993 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1993 source reduction quantity Page 25.
	☐ 1 Yes ☐ 2 No			

Comments:

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

NAME: CARibe GE INTERNATIONAL CONTROLS Co

EPA ID NO: PRD 090 003 141

U.S. ENVIRONMENTAL PROTECTION AGENCY

1983 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 18 of the 1983 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

WASTE OF SPEC. CHEMICALS (LAB. PECK)

B. EPA hazardous waste code Page 19.: LABP

C. State hazardous waste code Page 19.: N/A

D. SIC code Page 19.: 3625

E. Origin code / Page 19 System Type: N/A

F. Source code Page 20.: 57

G. Point of measurement Page 20.: 1

H. Form code Page 20.: B001

I. RCRA - radioactive mixed Page 20.: 2

Sec. II

A. Quantity generated in 1982 Instruction Page 21.: N/A

B. Quantity generated in 1983 Page 21.: 499.1

C. UOM Page 21.: 1 Density ☐ 1 lb/gal ☐ 2 sg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a POTW? Page 21.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.:

Quantity treated, disposed, or recycled on site in 1983: N/A

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.:

Quantity treated, disposed, or recycled on site in 1983:

Sec. III

A. Was any of this waste shipped off-site in 1983 Instruction page 23.
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1983 Page 23.
Site 1	MDD 980 555 189	M043	1	499.1
Site 2	N/A			

Sec. IV

A. Did new activities in 1983 result in minimization of this waste? Instruction page 24.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.:

C. Other effects Page 24.: ☐ 1 Yes ☐ 2 No

D. Quantity recycled in 1983 due to new activities Page 25.:

E. Activity/production index Page 25.:

F. 1983 source reduction quantity Page 26.:

Comments:

NOV 10 '97 09:54 FR CARIBE G.E. ADMIN. 787 288 2460 TO CONT P.06/15

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ON ENTER:

SITE NAME: CARIBE GE INTERNATIONAL CONTROLS CORP

EPA ID NO: P R D 0 9 0 0 0 3 1 4 1

U.S. ENVIRONMENTAL PROTECTION AGENCY

1993 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 18 of the 1993 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

WASTE FILTER CONTAINING CADMIUM FROM CLEANING PARTS PROCESS

B. EPA hazardous waste code Page 18.: 0 0 0 6 N / A

C. State hazardous waste code Page 18.: N / A

D. SIC code Page 19.: 3 6 2 5

E. Origin code Page 18: System Type M N / A

F. Source code Page 20.: A 3 2

G. Point of measurement Page 20.: 1

H. Form code Page 20.: B 4 0 3

I. RCRA - radioactive mixed Page 20.: 2

Sec. II

A. Quantity generated in 1992 Instruction Page 21.: N / A

B. Quantity generated in 1993 Page 21.: 3 5 0 . 0

C. UOM Page 21.: 1 Density ☐ 1 lb/gal ☐ 2 kg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.: M

Quantity treated, disposed, or recycled on site in 1993: N / A

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.: M

Quantity treated, disposed, or recycled on site in 1993:

Sec. III

A. Was any of this waste shipped off-site in 1993? Instruction page 23.
☐ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1993 Page 23.
Site 1	M 0 0 9 8 0 5 5 5 1 8 9	M 0 1 9	1	3 5 0 . 0
Site 2	N / A	M		

Sec. IV

A. Did new activities in 1993 result in minimization of this waste? Instruction page 24.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 24.	D. Quantity recycled in 1993 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1993 source reduction quantity Page 25.
W W / W W	☐ 1 Yes ☐ 2 No			

Comments:

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. INTERNATIONAL CONTROLS, INC

EPA ID NO: P.R.D. 0.9.0 0.3.1 4.1.0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1993 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 18 of the 1993 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18.

WASTE RAGS USED FOR CLEANING PARTS CONTAINS ALCOHOL

B. EPA hazardous waste code Page 19.: D001 N/A

C. State hazardous waste code Page 19.: N/A

D. SIC code Page 19.: 3625

E. Origin code Page 19 System Type: M N/A

F. Source code Page 20.: A19

G. Point of measurement Page 20.: 2

H. Form code Page 20.: B409

I. RCRA - radioactive mixed Page 20.: 2

Sec. II A. Quantity generated in 1992 Instruction Page 21.: N/A

B. Quantity generated in 1993 Page 21.: 600.-

C. UOM Page 21.: 1 Density: N/A ☐ 1 Bulgal ☐ 2 sg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.: M N/A

Quantity treated, disposed, or recycled on site in 1993: .

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.: M

Quantity treated, disposed, or recycled on site in 1993: .

Sec. III A. Was any of this waste shipped off-site in 1993 Instruction page 22.
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1993 Page 23.
Site 1	MDD 980 556 189	M 043		600.-
Site 2	N/A	M		.

Sec. IV A. Did new activities in 1993 result in minimization of this waste? Instruction page 24.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 24.	D. Quantity recycled in 1993 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1993 source reduction quantity Page 25.
W W W W	☐ 1 Yes ☐ 2 No	.	.	.

Comments:

Page 6 of .

NOV 10 '97 09:55 FR CARIBE G.E. ADMIN. 787 288 2460 TO CONT P.07/15

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. INTERNATIONAL CONTROLS, INC.

EPA ID NO: P R D 0 9 0 0 3 1 4 1 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1993 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 18 of the 1993 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18.

WASTE ALCOHOL USED FOR CLEANING PARTS WITH OIL

B. EPA hazardous waste code Page 19.: D001 N/A

C. State hazardous waste code Page 19.: N/A

D. SIC code Page 19.: 3625

E. Origin code Page 19: System Type M N/A

F. Source code Page 20.: A19

G. Point of measurement Page 20.: 1

H. Form code Page 20.: B203

I. RCRA - radioactive mixed Page 20.: 2

Sec. II A. Quantity generated in 1992 Instruction Page 21.: N/A

B. Quantity generated in 1993 Page 21.: 466.

C. UOM Page 21.: 1 Density: ☐ 1 Bulgal ☐ 2 kg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a POTW? Page 21.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.: M

Quantity treated, disposed, or recycled on site in 1993: N/A

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.: M

Quantity treated, disposed, or recycled on site in 1993:

Sec. III A. Was any of this waste shipped off-site in 1993 Instruction page 22.
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1993 Page 23.
Site 1	MDD 980 555 189	M041	1	400.
Site 2	N/A	M		

Sec. IV A. Did new activities in 1993 result in minimization of this waste? Instruction page 24.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 24.	D. Quantity recycled in 1993 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1993 source reduction quantity Page 28.
W W W W	☐ 1 Yes ☐ 2 No			

Comments:

Page 7 of

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. INTERNATIONAL CONTROLS, INC.

EPA ID NO: PRD 090 031 410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1993 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 18 of the 1993 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

WASTE FLUORESCENT LIGHT BULBS WITH LOW MERCURY CONTENT

B. EPA hazardous waste code Page 19.: D009 N/A

C. State hazardous waste code Page 19.: N/A

D. SIC code Page 19.: 3625

E. Origin code Page 19 System Type: M N/A

F. Source code Page 20.: A99

G. Point of measurement Page 20.: 1

H. Form code Page 20.: B319

I. RCRA - radioactive mixed Page 20.: 2

Sec. II

A. Quantity generated in 1992 Instruction Page 21.: N/A

B. Quantity generated in 1993 Page 21.: 350.-

C. UOM Page 21.: 1 Density: N/A ☐ 1 lb/gal ☐ 2 sg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a source POTW? Page 21.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.: M N/A

Quantity treated, disposed, or recycled on site in 1993: .

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.: M

Quantity treated, disposed, or recycled on site in 1993: .

Sec. III

A. Was any of this waste shipped off-site in 1993 Instruction page 23.
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1993 Page 23.
Site 1	MDD 980 555 189	M019	1	350.-
Site 2	N/A	M		

Sec. IV

A. Did new activities in 1993 result in minimization of this waste? Instruction page 24.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.: W W W W

C. Other effects Page 24.: ☐ 1 Yes ☐ 2 No

D. Quantity recycled in 1993 due to new activities Page 25.: .

E. Activity/production index Page 25.: .

F. 1993 source reduction quantity Page 26.: .

Comments:

USED FLUORESCENT LAMPS BULBS.

FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. INTERNATIONAL CONTROLS, INC.

EPA ID NO: P R D 0 7 0 0 3 1 4 1 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1993 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 18 of the 1993 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - instruction page 18.

WASTE WATER CONTAINING CADMIUM FROM CLEANING OF SILVER PARTS.

B. EPA hazardous waste code Page 19. D 0 0 6 N / A

C. State hazardous waste code Page 19. N / A

D. SIC code Page 19. 3 6 2 5

E. Origin code 1 Page 19 System Type M N / A

F. Source code Page 20. A 1 9

G. Point of measurement Page 20. 8

H. Form code Page 20. B 1 0 2

I. RCRA - radioactive mixed Page 20. 2

Sec. II A. Quantity generated in 1992 instruction Page 21. 1 3 . 2

B. Quantity generated in 1993 Page 21. 1 3 . 5

C. UOM Page 21. 2 Density . ☐ 1 lb/gal ☐ 2 sg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

Onsite process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1993 N / A .

ON-SITE PROCESS SYSTEM 2

Onsite process system type Page 22. M

Quantity treated, disposed, or recycled on site in 1993 .

Sec. III A. Was any of this waste shipped off-site in 1993 instruction page 23.
☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

	B. EPA ID No. of facility waste was shipped to Page 23.	C. System type shipped to Page 23.	D. Off-site availability code Page 23.	E. Total quantity shipped in 1993 Page 23.
Site 1	M D D 9 8 0 5 5 5 1 8 9	M 1 4 1	1	1 2 . 1
Site 2	C A D 0 7 5 0 8 0 6 8 5 0	M D 4 1	1	1 . 4

Sec. IV A. Did new activities in 1993 result in minimization of this waste? instruction page 24.
☐ 1 Yes (CONTINUE TO SYSTEM 1)
XX 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.	C. Other effects Page 24.	D. Quantity recycled in 1993 due to new activities Page 25.	E. Activity/production index Page 25.	F. 1993 source reduction quantity Page 26.
W W / W W	☐ 1 Yes ☐ 2 No	.	.	.

Comments:

Z 286 544 150

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PS Form 3800, April 1995

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• Print your name and address on the return this card to you.
• Attach this form to the front of the does not permit.
• Write "Return Receipt Requested" or
• The Return Receipt will show to who delivered.

3. Article Addressed to:
Mr. Israel To
Environmental Q
Land Pollution C
P.O. Box 11488
Santurce, P.R.

5. Signature (Addressee)

6. Signature (Agent)

PS Form 3811, December 199

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

February 25, 1998

Mr. Israel Torres
Environmental Qu
Land Pollution Co
P.O.Box 11488
Santurce, Puerto

Re: **1997 BIENNIAL Hazardous Waste Report**
Caribe GE International Controls, Inc.
Vega Alta Plant
EPA ID. NO. PRD090031410

Dear Mr. Torres

Enclosed please find a copy of the 1997 Hazardous Waste Report pertaining to Caribe General Electric International Controls Inc. This information is submitted as required under Rule 503 A of the Regulation for the Control of Hazardous and Non-Hazardous Solid Wastes.

Should questions arise, please, do not hesitate to contact Ms. Enid Ortiz, our Environmental, Health and Safety Manager at 270-7009.

Cordially,

Rubén González
Plant Manager

3.2T

enc.

```
                    Print Key Output                                    Page   1
  5763SS1 V3R1M0 940909                S1040550            02/09/98  15:03:24

  Display Device  . . . . . :  CONTROLS8
  User  . . . . . . . . . . :  MAINFRAME

G1M1 RLSE   WHSE P06     MTO ASSEMBLY LINE CONTACTOR   CONTROL SHIP   OPT
UPDATE      CUSTCD           REQUIRED DATE          SHIPSET PRT   LABEL PRT
ITEM                       SPLC
  REQDATE CS   CUSTCD    REQUSITION NUMBER  LINE SHOP ORDER  SPLC
 02/10/98 M  GPE30     17317106             001  P066075137 HOTQ  SPECIAL
   SEL    ITEM 305C002SNA            QTY     120  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/10/98 M  GPE30     17317110             001  P066075141 HOTQ  SPECIAL
   SEL    ITEM 305HH004F3JJA         QTY      10  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/10/98 M  GPE30     17317111             001  P066075142 HOTQ  SPECIAL
   SEL    ITEM 305C002SAA            QTY     144  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/10/98 M  GPE30     17317121             001  P066075171 HOTQ  SPECIAL
   SEL    ITEM 305C002SKA            QTY      96  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/10/98 M  GPE30     17317122             001  P066075172 HOTQ  SPECIAL
   SEL    ITEM 305D002F3RBS          QTY      12  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/10/98 M  GPE30     17317123             001  P066075173 HOTQ  SPECIAL
   SEL    ITEM 305D002F3RBS          QTY      12  QTY MADE        LBL

PF2=RO VIEW PF3=ORDER VIEW PF4=PLANNING PF5=SPECIAL INSTRUCTIONS PF6=CNS
02/09/98 15:02:23 008 DEPRESS (ENTER) TO VIEW NEXT PAGE
```

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: P R D 0 9 0 0 3 1 4 1 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM IC

IDENTIFICATION AND CERTIFICATION

Instructions: Please see the detailed instructions beginning on page 7 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each section is provided below.

Sec. I Site name and location address. Check the box ☐ in items A, B, C, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instructions page 7.

A. EPA ID No.
Same as label ☒ or →

B. County
Same as label ☐ or →

C. Site/company name
Same as label ☒ or →

D. Has the site name associated with this EPA ID changed since 1995?
☐ 1 Yes ☐ 2 No

E. Street name and number. If not applicable, enter industrial park, building name, or other physical location description.
Same as label ☐ or → Highway No. 2 Km 30.1

F. City, town, village
Same as label ☐ or → Vega Alta

G. State
Same as label ☐ or → P R

H. Zip Code
Same as label ☐ or → 0 0 6 9 2 -

Sec. II Mailing address of site. Instructions page 7.

A. Is the mailing address the same as the location address? ☐ 1 Yes (SKIP TO SEC. III) ☐ 2 No (CONTINUE TO BOX B)

B. Number and street name of mailing address
P.O. Box 328

C. City, town, village
Vega Alta

D. State
P R

E. Zip Code
0 0 6 9 2 -

Sec. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instructions page 7.

A. Last Name	First name	M.I.	B. Title	C. Telephone Number
Ortiz	Enid		EHS Manager	7 8 7 2 7 0 - 7 0 0 9 Extension

Sec. IV "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for knowing violations." Instructions page 8.

A. Last Name	First name	M.I.	B. Title
Gonzalez, Rubén			Plant Manager

C. Signature: Ruben Gonzalez

D. Date of signature: 0 2 2 7 9 8
Month Day Year

Ove

```
                    Print Key Output                                    Page   1
   5763SS1 V3R1M0 940909                S1040550            02/09/98  15:05:53

   Display Device  . . . . . :  CONTROLS8
   User  . . . . . . . . . . :  MAINFRAME

G1M1 RLSE   WHSE P06     MTO ASSEMBLY LINE CONTACTOR   CONTROL SHIP   OPT
UPDATE      CUSTCD           REQUIRED DATE          SHIPSET PRT   LABEL PRT
ITEM                       SPLC
  REQDATE CS   CUSTCD    REQUSITION NUMBER  LINE SHOP ORDER  SPLC
 02/10/98 M  GPE30     17317126             001  P066075176 HOTQ  SPECIAL
   SEL    ITEM 305C002SSA            QTY      12  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/10/98 M  GPE30     17317130             001  P066075180 HOTQ  SPECIAL
   SEL    ITEM 305F002F3AAC          QTY      38  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/10/98 M  GPE30     17317131             001  P066075181 HOTQ  SPECIAL
   SEL    ITEM 305D002F3ABA          QTY      30  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/10/98 M  GPE30     17317133             001  P066075183 HOTQ  SPECIAL
   SEL    ITEM 305C002WGA            QTY      48  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/10/98 M  GPE30     17317140             001  P066075190 HOTQ  SPECIAL
   SEL    ITEM 305D002F3RBS          QTY      12  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/10/98 M  GPE30     17317141             001  P066075191 HOTQ  SPECIAL
   SEL    ITEM 305C002WGA            QTY      48  QTY MADE        LBL

PF2=RO VIEW PF3=ORDER VIEW PF4=PLANNING PF5=SPECIAL INSTRUCTIONS PF6=CNS
02/09/98 15:05:03 008 DEPRESS (ENTER) TO VIEW NEXT PAGE
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FORM GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090 031 410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12): Waste Powder Paint Containing Barium from Painting Process.

B. EPA hazardous waste code (page 12): D005 NA NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13) System Type	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	1 M NA	A 21	1	B 319	2

Sec. II

A. Quantity generated in 1997 (page 15): 165.0

B. UOM (page 15): 5 Density 0.80 ☐ 1 lbs/gal ☒ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)

☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)	On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)
M	.	M	.

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	PRD 090 399 718	M 061	1	165.0
Site 2		M		.
Site 3		M		.

Comments:

This process was eliminated.

```
                    Print Key Output                                    Page   1
  5763SS1 V3R1M0 940909                S1040550            02/09/98  15:06:27

  Display Device  . . . . . :  CONTROLS8
  User  . . . . . . . . . . :  MAINFRAME

G1M1 RLSE   WHSE P06     MTO ASSEMBLY LINE CONTACTOR   CONTROL SHIP   OPT
UPDATE      CUSTCD           REQUIRED DATE          SHIPSET PRT   LABEL PRT
ITEM                      SPLC
  REQDATE CS   CUSTCD    REQUSITION NUMBER  LINE SHOP ORDER  SPLC
 02/11/98 M  GPE30     17317216             001  P066075390 HOTQ  SPECIAL
   SEL    ITEM 305D002F3ABS          QTY     208  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/11/98 M  GPE30     17317233             001  P066075414 HOTQ  SPECIAL
   SEL    ITEM 305D002F3AAC          QTY      78  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/11/98 M  GPE30     17317234             001  P066075415 HOTQ  SPECIAL
   SEL    ITEM 305E002F5ABA          QTY       5  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/11/98 M  GPE30     17317236             001  P066075417 HOTQ  SPECIAL
   SEL    ITEM 305K002SAA            QTY      24  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/11/98 M  GPE30     17317237             001  P066075418 HOTQ  SPECIAL
   SEL    ITEM 305C002WHA            QTY      48  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/11/98 M  GPE30     17317238             001  P066075419 HOTQ  SPECIAL
   SEL    ITEM 305C002SJA            QTY      36  QTY MADE        LBL

PF2=RO VIEW PF3=ORDER VIEW PF4=PLANNING PF5=SPECIAL INSTRUCTIONS PF6=CNS
02/09/98 15:05:31 008 DEPRESS (ENTER) TO VIEW NEXT PAGE
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090 013 410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12): Waste Solvent from cleaning parts operation

B. EPA hazardous waste code (page 12): D001 D008 D011 NA NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13)	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	System Type M NA	A19	1	B203	2

Sec. II

A. Quantity generated in 1997 (page 15): 140.0

B. UOM (page 15): 5

Density 0.85

☐ 1 lbs/gal ☒ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)

☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)	On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)
M		M	

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	PRD 090 399 718	M061	1	140.0
Site 2		M		
Site 3		M		

Comments:

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                    Print Key Output                                    Page   1
  5763SS1 V3R1M0 940909                S1040550            02/09/98  15:06:41

  Display Device  . . . . . :  CONTROLS8
  User  . . . . . . . . . . :  MAINFRAME

G1M1 RLSE   WHSE P06     MTO ASSEMBLY LINE CONTACTOR   CONTROL SHIP   OPT
UPDATE      CUSTCD           REQUIRED DATE          SHIPSET PRT   LABEL PRT
ITEM                       SPLC
  REQDATE CS   CUSTCD    REQUSITION NUMBER  LINE SHOP ORDER  SPLC
 02/11/98 M  GPE30     17317239             001  P066075420 HOTQ  SPECIAL
   SEL    ITEM 305C004TBA            QTY      24  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317240             001  P066075421 HOTQ  SPECIAL
   SEL    ITEM 305A002SBA            QTY      50  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317242             001  P066075423 HOTQ  SPECIAL
   SEL    ITEM 305E002F3AAC          QTY      74  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317243             001  P066075424 HOTQ  SPECIAL
   SEL    ITEM 305A002SBA            QTY      50  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317244             001  P066075425 HOTQ  SPECIAL
   SEL    ITEM 305D002C5ABA          QTY      12  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317246             001  P066075427 HOTQ  SPECIAL
   SEL    ITEM 305K002SAA            QTY      24  QTY MADE        LBL

PF2=RO VIEW PF3=ORDER VIEW PF4=PLANNING PF5=SPECIAL INSTRUCTIONS PF6=CNS
02/09/98 15:05:48 008 DEPRESS (ENTER) TO VIEW NEXT PAGE
```

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090 031 410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12): Waste Rags, gloves, etc. contaminated with Cadmium from Welding Operations

B. EPA hazardous waste code (page 12): D006 NA / NA NA NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13) System Type	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	1 / M NA	A91	1	B319	2

Sec. II

A. Quantity generated in 1997 (page 15): 400.0

B. UOM (page 15): 1 — Density ___ . ___ ☐ 1 lbs/gal ☐ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)

☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type (page 16): M

Quantity treated, disposed, or recycled on site in 1997 (page 16): ___ . ___

ON-SITE PROCESS SYSTEM 2

On-site process system type (page 16): M

Quantity treated, disposed, or recycled on site in 1997 (page 16): ___ . ___

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	MDD 980 555 189	M043	1	200.0
Site 2	PRD 090 399 718	M043	1	200.0
Site 3		M		

Comments:

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                    Print Key Output                                    Page   1
  5763SS1 V3R1M0 940909                S1040550            02/09/98  15:06:53

  Display Device  . . . . . :  CONTROLS8
  User  . . . . . . . . . . :  MAINFRAME

G1M1 RLSE   WHSE P06     MTO ASSEMBLY LINE CONTACTOR   CONTROL SHIP   OPT
UPDATE      CUSTCD           REQUIRED DATE          SHIPSET PRT   LABEL PRT
ITEM                      SPLC
  REQDATE CS   CUSTCD    REQUSITION NUMBER  LINE SHOP ORDER  SPLC
 02/11/98 M  GPE30     17317247              001  P066075428 HOTQ  SPECIAL
   SEL    ITEM 305C002SSA            QTY      12  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/11/98 M  GPE30     17317248              001  P066075429 HOTQ  SPECIAL
   SEL    ITEM 305C002SSA            QTY      12  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/11/98 M  GPE30     17317249              001  P066075430 HOTQ  SPECIAL
   SEL    ITEM 305C002SSA            QTY      12  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/12/98 M  GPE30     17317255              001  P066075515 HOTQ  SPECIAL
   SEL    ITEM 305G004F3AAA          QTY      12  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/12/98 M  GPE30     17317257              001  P066075517 HOTQ  SPECIAL
   SEL    ITEM 305C004TBA            QTY      24  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/12/98 M  GPE30     17317258              001  P066075518 HOTQ  SPECIAL
   SEL    ITEM 305D002F2AAC          QTY      12  QTY MADE        LBL

PF2=RO VIEW PF3=ORDER VIEW PF4=PLANNING PF5=SPECIAL INSTRUCTIONS PF6=CNS
02/09/98 15:06:00 008 DEPRESS (ENTER) TO VIEW NEXT PAGE
```

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090 031 410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12): Waste Rags contaminated with alcohol from cleaning process.

B. EPA hazardous waste code (page 12): D001 NA / NA NA NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13) System Type	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	1 / M NA	A 19	1	B 310	2

Sec. II

A. Quantity generated in 1997 (page 15): 455.0

B. UOM (page 15): 1 Density ___.___ ☐ 1 lbs/gal ☐ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)

☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type (page 16): M

Quantity treated, disposed, or recycled on site in 1997 (page 16): ___.___

ON-SITE PROCESS SYSTEM 2

On-site process system type (page 16): M

Quantity treated, disposed, or recycled on site in 1997 (page 16): ___.___

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	OHD 000 816 629	M 043	1	150.0
Site 2	PRD 090 399 718	M 043	1	305.0
Site 3		M		

Comments:

CARIBE GE PRODUCTS INC.

"QUICKEN THE PULSE"

ARECIBO PLANT

2/24/98

FW 7

PRODUCT LINE	SIX SIGMA PERFORMANCE			WEEKLY OUTPUT CURRENT WEEK			ACTUAL		SOD	FILL RATE CURR.	FILL RATE HISTORY		CRITICAL ITEMS		REQUEST MET CURR.	REQUEST MET HISTORY		INVENTORY RIP	INVENTORY FG'S	INVENTORY TOTAL	INVENTORY commit
	SIGMA		UL	SCH. Q	SHP	C/O	O/P	MIX	STK	FW8	FW7	FW6	FW 8	FW 7	FW 8	FW 7	FW 6	($000)	($000)	($000)	($000)
CORE F			OK	700	619		88%	88	2.2				0/1	0/0					224		
CORE J			OK	1100	918		83%	83	0				0/0	0/0					298		
CORE K			OK	185	211		114%	100	0				0/0	1/1					176		
CORE MVT			OK						0	MTO	MTO	MTO	MTO	MTO					0		
SPECTRA E			OK	2500	2581		103%	100	0	MTO	MTO	MTO	MTO	MTO	0	92	94		0		
SPECTRA F			OK	1350	1593		118%	100	0	MTO	MTO	MTO	MTO	MTO	0	84	95		0		
SPECTRA G			OK	1002	925		90%	89	0	MTO	MTO	MTO	MTO	MTO	0	92	72		0		
SPECTRA K			OK	361	329		91%	91	0	MTO	MTO	MTO	MTO	MTO	0	89	96		0		
OTHER			OK	977	977		100%	100	0				0/0	1/1	0	90	82		1565		
TOTAL	0.00		OK	8205	8153		99%	94	2.2	88	90	91	0/1	2/2	84	85	79	2745	2263	5008	0

OTHERS	GOAL	C/W	MTO	YTD
OVERTIME	7.3	1.8	8.0	22.5
AIR TRANSPORTATION	4.0	0.0	4.2	13.6
NP ABSENTEEISM %		1.5	1.3	1.3
TOTAL ABSENTEEISM %		4.6	4.8	
PLATING OUTSOURCING	FW 8	FW 7	FW 6	FW 5
ED&C	8449	11480	10207	11517
OTHER	4458	7476	2587	2283
TOTAL	12907	18956	12794	13800

EHS DATA	GOAL	WK	C/O	YTD	C/O	YTD
OSHA RECORDABLES	3	0		0		
LWD CASES	2	0		0		
DAFW CASES	2	0		0		
DAFW CASES	6	0	5	0	35	35
FSC CASES	9	0		3		
FSE CASES NO GCHA		0	10	8	103	111
KID CASES		0		1		
LID DAFW		5	20	20	167	187
SINOT CASES...		0		5		
SINOT DAFW...		15	10	105	140	245
TOTAL PEOPLE OUT...		4	9			
TOTAL LOST DAYS...				133	445	578

FG INVENTORY	FW 8	FW 7	FW 6	TARGET
AVAIL	1189	1209	1237	
I/T	410	345	343	
PICK RELEASE	664	483	479	
TOTAL	2263	2037	2059	0

PRODUCT LINE	SERVICES ACTIONS STATUS	OVERDUE $ EXPLANATION COVERED BY INTRANSIT 1.6k of 2.2k
CORE F		
CORE J		
CORE K		
CORE MVT		
SPECTRA E		
SPECTRA F		
SPECTRA G	HEAT TREAT PART LATE IN PROCESSING	
SPECTRA K		

GCC-POL 360 REV. 5 1/98

TO: PAUL S. SLEDZIK
ADRAIN PEACE
PLANT MANAGERS

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090 039 718

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12): Waste alcohol used for cleaning parts.

B. EPA hazardous waste code (page 12): D001 / NA / NA / NA / NA / NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13) / System Type	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	1 / M NA	A 19	1	B 203	2

Sec. II

A. Quantity generated in 1997 (page 15): 85.0

B. UOM (page 15): 5 Density 0.84

☐ 1 lbs/gal ☒ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)

☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)	On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)
M	.	M	.

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	PRD 090 399 718	M 061	1	85.0
Site 2		M		.
Site 3		M		.

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090 013 410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12): Waste Water Containing metals from parts cleaning process.

B. EPA hazardous waste code (page 12): D008 0006 D011 NA NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13)	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	1 System Type M A	A19	1	B102	2

Sec. II

A. Quantity generated in 1997 (page 15): 3355.0

B. UOM (page 15): 5 Density 1.07 ☐ 1 lbs/gal ☒ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)

☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)	On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)
M	.	M	.

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	MDD 980 555 189	M 141	1	118115.0
Site 2	PRD 019 319 718	M 141	1	1540.0
Site 3		M		.

Comments:

```
                    Print Key Output                                    Page   1
  5763SS1 V3R1M0 940909                S1040550            02/09/98  15:06:02

  Display Device  . . . . . :  CONTROLS8
  User  . . . . . . . . . . :  MAINFRAME

G1M1 RLSE   WHSE P06     MTO ASSEMBLY LINE CONTACTOR   CONTROL SHIP   OPT
UPDATE      CUSTCD           REQUIRED DATE          SHIPSET PRT   LABEL PRT
ITEM                       SPLC
  REQDATE CS   CUSTCD    REQUSITION NUMBER  LINE SHOP ORDER  SPLC
 02/10/98 M  GPE30     17317142             001  P066075192 HOTQ  SPECIAL
   SEL    ITEM 305G002L3MMA          QTY      15  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/10/98 M  GPE30     17317144             001  P066075193 HOTQ  SPECIAL
   SEL    ITEM 305S002SAA            QTY      12  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/10/98 M  GPE30     17317146             001  P066075195 HOTQ  SPECIAL
   SEL    ITEM 305G002L3MMA          QTY      15  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/10/98 M  GPE30     17317147             001  P066075196 HOTQ  SPECIAL
   SEL    ITEM 305C002SJA            QTY      36  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/11/98 M  GPE30     17317177             001  P066075382 HOTQ  SPECIAL
   SEL    ITEM 305D004P3ABS          QTY      16  QTY MADE        LBL
-------------------------------------------------------------------------------
 02/11/98 M  GPE30     17317178             001  P066075383 HOTQ  SPECIAL
   SEL    ITEM 305D004P3ABS          QTY      16  QTY MADE        LBL

PF2=RO VIEW PF3=ORDER VIEW PF4=PLANNING PF5=SPECIAL INSTRUCTIONS PF6=CNS
02/09/98 15:05:12 008 DEPRESS (ENTER) TO VIEW NEXT PAGE
```

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090 013 141 01

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12)

Waste Rags, gloves, etc. contaminated with solvent from Tool Room.

B. EPA hazardous waste code (page 12): D001 NA NA NA NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13)	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	1 System Type: M NA	A 19	1	B 310	2

Sec. II

A. Quantity generated in 1997 (page 15): 540.0

B. UOM (page 15): 1 Density: ☐ 1 lbs/gal ☐ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)

☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)	On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)
M	.	M	.

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	PRD 090 399 718	M 043	1	540.0
Site 2		M		.
Site 3		M		.

Comments:

```
                    Print Key Output                                    Page   1
  5763SS1 V3R1M0 940909                S1040550            02/09/98  15:06:12

  Display Device  . . . . . :  CONTROLS8
  User  . . . . . . . . . . :  MAINFRAME

G1M1 RLSE   WHSE P06     MTO ASSEMBLY LINE CONTACTOR   CONTROL SHIP   OPT
UPDATE      CUSTCD           REQUIRED DATE          SHIPSET PRT   LABEL PRT
ITEM                      SPLC
  REQDATE CS   CUSTCD    REQUSITION NUMBER  LINE SHOP ORDER  SPLC
 02/11/98 M  GPE30     17317179             001  P066075384 HOTQ  SPECIAL
   SEL    ITEM 305D004P3ABS          QTY      16  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317211             001  P066075385 HOTQ  SPECIAL
   SEL    ITEM 305F002F3ABA          QTY      60  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317212             001  P066075386 HOTQ  SPECIAL
   SEL    ITEM 305E002F3ABA          QTY     130  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317213             001  P066075387 HOTQ  SPECIAL
   SEL    ITEM 305F002F3AAC          QTY      38  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317214             001  P066075388 HOTQ  SPECIAL
   SEL    ITEM 305E002F3AAC          QTY      74  QTY MADE        LBL
-----------------------------------------------------------------------------
 02/11/98 M  GPE30     17317215             001  P066075389 HOTQ  SPECIAL
   SEL    ITEM 305D002F3AAC          QTY      78  QTY MADE        LBL

PF2=RO VIEW PF3=ORDER VIEW PF4=PLANNING PF5=SPECIAL INSTRUCTIONS PF6=CNS
02/09/98 15:05:21 008 DEPRESS (ENTER) TO VIEW NEXT PAGE
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090 031 410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12): Waste Resin from Molding Process.

B. EPA hazardous waste code (page 12): D001, NA, NA, NA, NA, NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13)	System Type	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	1	M NA	A41	1	B403	2

Sec. II

A. Quantity generated in 1997 (page 15): 1.9

B. UOM (page 15): 2 — Density ___ . ___ ☐ 1 lbs/gal ☐ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)
☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)	On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)
M	.	M	.

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	MDD 980 555 189	M043	1	1.1
Site 2	PRD 090 319 718	M043	1	.8
Site 3		M		.

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090 013 141 01

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12)

Waste Fluorescent Light Bulbs with low Mercury Content.

B. EPA hazardous waste code (page 12): D009, NA, NA, NA, NA, NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13)	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	1 System Type: M NA	A99	1	B319	2

Sec. II

A. Quantity generated in 1997 (page 15): 140.0

B. UOM (page 15): 1 Density: ☐ 1 lbs/gal ☐ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)

☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)	On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)
M		M	

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	OHD 000 816 162	M 019	1	800.0
Site 2	TLD 000 608 471	M 112	1	50.0
Site 3	PRD 090 399 718	M 112	1	640.0

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls

EPA ID NO: PRD 090 031 410

FORM OI

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

OFF-SITE IDENTIFICATION

Instructions: Please read the detailed instructions on the reverse side before completing this form.

Site 1	A. EPA ID No. of off-site installation or transporter: PRD 090 220 732	B. Name of off-site installation or transporter: Juan E. Hernández, Inc.
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR facility	D. Address of off-site installation: Street ___ City ___ State ___ Zip ___-___	

Site 2	A. EPA ID No. of off-site installation or transporter: PRD 000 726 810	B. Name of off-site installation or transporter: Puerto Rico Marine Management.
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☒ Transporter ☐ TSDR facility	D. Address of off-site installation: Street ___ City ___ State ___ Zip ___-___	

Site 3	A. EPA ID No. of off-site installation or transporter: MDD 980 555 189	B. Name of off-site installation or transporter: Clean Harbors of Baltimore, Inc.
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☒ TSDR facility	D. Address of off-site installation: Street 1910 Rusell Street City Baltimore, State MD Zip 21213 0-___	

Site 4	A. EPA ID No. of off-site installation or transporter: OHD 000 816 629	B. Name of off-site installation or transporter: Spring Grove Resources Recovery, Inc.
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☒ TSDR facility	D. Address of off-site installation: Street 4879 Spring Grove Avenue City Cincinnati, State OH Zip 45232-___	

Site 5	A. EPA ID No. of off-site installation or transporter: ILD 000 608 471	B. Name of off-site installation or transporter: Clean Harbors Services, Inc.
C. Handler type (CHECK ALL THAT APPLY): ☐ Generator ☐ Transporter ☒ TSDR facility	D. Address of off-site installation: Street 11800 South Stony Island Avenue City Chicago State IL Zip 60617-___	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls, Inc.

EPA ID NO: PRD 090031411 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12)
Waste off spec. chemicals (Lab. Pack).

B. EPA hazardous waste code (page 12): D001, D002, F003, NA, NA

C. State hazardous waste code (page 13):

D. SIC code (page 13)	E. Origin code (page 13)	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
3625	1 System Type M NA	A 57	1	B 003	2

Sec. II

A. Quantity generated in 1997 (page 15): 28.0

B. UOM (page 15): 1
Density: ☐ 1 lbs/gal ☐ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)
☐ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)	On-site process system type (page 16)	Quantity treated, disposed, or recycled on site in 1997 (page 16)
M		M	

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
☐ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (FORM IS COMPLETE)

	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17)
Site 1	MDD 980 555 189	M 0143	1	1713.0
Site 2	PRD 090 319 917 8	M 0143	1	0155.0
Site 3		M		

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls

EPA ID NO: PRD 090 031 410

FORM OI

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

OFF-SITE IDENTIFICATION

Instructions: Please read the detailed instructions on the reverse side before completing this form.

Site 1	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	PRD 090 399 718	Safety Kleen Envirosystems Co. of P.R., Inc.

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☒ Transporter
- ☒ TSDR facility

D. Address of off-site installation
Street: P.O. Box 31098, Hwy 2 Km. 51.0
City: Manatí State: PR
Zip: 00674 -

Site 2	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR facility

D. Address of off-site installation
Street:
City: State:
Zip: -

Site 3	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR facility

D. Address of off-site installation
Street:
City: State:
Zip: -

Site 4	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR facility

D. Address of off-site installation
Street:
City: State:
Zip: -

Site 5	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- ☐ Generator
- ☐ Transporter
- ☐ TSDR facility

D. Address of off-site installation
Street:
City: State:
Zip: -

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: Caribe GE International Controls

EPA ID NO: P R D 0 9 0 0 3 1 4 1 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM WR

WASTE RECEIVED FROM OFF SITE

Instructions: Please see the detailed instructions beginning on page 19 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Waste 1	A. Description of hazardous waste (page 19)	B. EPA hazardous waste code (page 20)	C. State hazardous waste code (page 20)
	NA		

D. Off-site handler EPA ID number (page 20)	E. Quantity received in 1997 (page 20)	F. UOM (page 20)	Density
			☐ 1 lbs/gal ☐ 2 sg

G. Form code (page 21)	H. RCRA-radioactive mixed (page 21)	I. System type (page 21)
B		M

Waste 2	A. Description of hazardous waste (page 19)	B. EPA hazardous waste code (page 20)	C. State hazardous waste code (page 20)

D. Off-site handler EPA ID number (page 20) ☐ Check if same as in Waste 1	E. Quantity received in 1997 (page 20)	F. UOM (page 20)	Density
			☐ 1 lbs/gal ☐ 2 sg

G. Form code (page 21)	H. RCRA-radioactive mixed (page 21)	I. System type (page 21)
B		M

Waste 3	A. Description of hazardous waste (page 19)	B. EPA hazardous waste code (page 20)	C. State hazardous waste code (page 20)

D. Off-site handler EPA ID number (page 20) ☐ Check if same as in Waste 2	E. Quantity received in 1997 (page 20)	F. UOM (page 20)	Density
			☐ 1 lbs/gal ☐ 2 sg

G. Form code (page 21)	H. RCRA-radioactive mixed (page 21)	I. System type (page 21)
B		M

Comments:

Caribe General Electric Pro ts, Inc.
P.O. BOX 328
VEGA ALTA, PUERTO RICO 00762
Tels. (809) 883-3000
(809) 883-3020
(809) 883-4040
PANAFAX: Area Code
(809) 883-3010
(809) 883-4084

February 18, 1986

U. S. Environmental Protection Agency
Permits Administration Branch
Room 432
26 Federal Plaza
New York, N.Y. 10278

Dear Sir/Madam:

Please find attached the Annual Hazardous Waste Report Summary for 1985 for the following facilities:

1) General Electric Controls, Vega Alta, P. R.
2) General Electric Pilot Devices, Vega Alta, P. R.
3) General Electric Industrial Products, Manati, P. R.

All three facilities are "Generators" of Hazardous Wastes.

Sincerely,

Eduardo Yumet

Eduardo Yumet
Process Engineer

EY/hh

cc: Mr. Dulcilio Medina
Director Interino
Division Desperdicios Peligrosos
Junta Calidad Ambiental
Apartado 11488
Santurce, Puerto Rico 00910

COMMONWEALTH OF PUERTO RICO / OFFICE OF THE GOVERNOR

GENERATOR ANNUAL HAZARDOUS WASTE REPORT

Environmental Quality Board

This report is for the calendar year ending December 31,

AFFIX LABEL HERE

GENERAL INSTRUCTIONS: If you received a preprinted label attached to the mailing envelope in which this form was enclosed, affix it in the space provided. If any of the information on the label is incorrect, draw a line through it and provide the correct information in the appropriate section below. If the information is correct and complete, leave Sections I, II, and III below blank. If you did not receive a preprinted label, complete all sections. REFER TO THE SPECIFIC INSTRUCTIONS CONTAINED IN THIS BOOKLET BEFORE COMPLETING THIS FORM. The information requested in this report is required by law (Section 3002 of the Resource Conservation Recovery Act).

Please print/type with elite type (12 characters per inch)

I. GENERATOR'S EPA I.D. NUMBER

T/A C

F P R D 0 9 0 0 3 1 4 1 0 1 1

1 2 13 14 15

II. NAME OF INSTALLATION

G E N E R A L E L E C T R I C C O N T R O L S I N C .

30 69

III. INSTALLATION MAILING ADDRESS

3 P . O . B O X 3 2 8

15 16 45

Street or P.O. Box

4 V E G A A L T A P R 0 0 7 6 2

15 16 41 42 47 51

City or Town State Zip Code

IV. LOCATION OF INSTALLATION (if different than section III above)

5 R O A D # 2 K M 3 0 . 1

15 16 45

Street or Route number

6 V E G A A L T A P R 0 0 7 6 2

15 16 41 42 47 51

City or Town State Zip Code

V. INSTALLATION CONTACT

2 E D U A R D O Y U M E T

15 16 45

Name (last and first)

8 0 9 — 8 8 3 — 3 0 0 0

46 55

Phone No. (area code & no.)

VI. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Eduardo Yumet	Process Engineer	Eduardo Yumet	2/13/86
Print/Type Name	Title	Signature of Authorized Representative	Date Signed

GE_CARIBE001164

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31.

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

G PRD090031410 T/A C 1

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

McKesson Envirosystem Company

IX. FACILITY'S EPA I.D. NO.

FPRD090399718

X. FACILITY ADDRESS

Highway #2 KM. 51
P.O. Box 1098
Manati, P.R. 00701

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.)

Carreras Trucking Company - PRD000692566

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
	1	Waste 1,1,1-Trichlorethane, ORM-A, - UN-2831	13	F001	1.6	M
	2	Waste Flammable Liquid, N.O.S. Flammable Liquid, UN-1993	08	D001	1.6	M
	3	Waste Combustible Liquid Kerosene, UN-1223	01	D001	0.5	M
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

XIII. COMMENTS (enter information by section number—see instructions)

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31,

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

T/A C

G P R D 0 9 0 0 3 4 1 0 1 1

1 2 13 14 15

IX. FACILITY'S EPA I.D. NO.

F P A D 9 8 1 0 3 8 2 2 7

16 28

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

WRC Processing Company

X. FACILITY ADDRESS

RD. #1 Box 1053
Pottsville, PA 17901

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.)

Juan E. Hernandez Inc. - PRD090220732; Trailer Marine Transport -PRD090559360
Del Vecchio Sanitation Service - PAD980830061

XII. WASTE IDENTIFICATION

Sequence # (32)	Line #	A. Description of Waste	B. DOT Hazard Code (33–34)	C. EPA Hazardous Waste No. (see instructions) (43–50)	D. Amount of Waste (51–59)	E. Unit of Measure (60)
	1	Hazardous Waste Solids, N.O.S., ORM-E, NA-9189	1 5	F 0 0 6 (35–42)	1 8 . 2	M
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

XIII. COMMENTS (enter information by section number—see instructions)

Page _____ of _____

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31.

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

T/A C

G P R D 0 9 0 0 3 1 4 1 0 1 1

1 2 13 14 15

IX. FACILITY'S EPA I.D. NO.

F A Z D 9 8 0 7 3 5 5 0 0

16 28

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

WRC Processing Company

X. FACILITY ADDRESS

8113 Weast Sherman
Phoenix AZ., 85043

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.)

Ryder Ranger - FLD007922578; Southern Pacific Trans. - CAD006913202;
Hambicki Bros. Inc. - AZD097121164

XII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
32	1	Hazardous Waste Liquid, N.O.S., - ORM-e, NA-9189.	1 5 (33 34)	F 0 0 6 (35 38 39 42; 43 46 47 50)	5 3 (51 59)	M (60)
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

XIII. COMMENTS (enter information by section number—see instructions)

Page ____ of ____

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE G.E. PRODUCTS, INC.
PLANT #1 - HWY. NO.2 KM. 30.2
VEGA ALTA, P.R. 00762

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM PS

WASTE TREATMENT, STORAGE, DISPOSAL, OR RECYCLING PROCESS SYSTEMS

WHO MUST COMPLETE THIS FORM? Form PS must be completed by every site that, during 1987, had one or more hazardous waste management systems, existing or under construction, composed of: (1) treatment, storage, disposal, or recycling processes subject to RCRA interim status or permit requirements; or (2) treatment, disposal, or recycling processes exempt from RCRA interim status or permit requirements.

INSTRUCTIONS: Please read the detailed instructions beginning on page 44 of the 1987 Hazardous Waste Generation and Management Report instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste treatment, storage, disposal or recycling system operated or under construction during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I

A. Waste treatment, storage, disposal or recycling system description Instruction Page 57: WASTETREATMENT PLANT FOR ELECTROPLATING PROCESS WASTEWATERS

B. System identification Page 57: Number 1 - Letter X

C. On-site T/S/D/R code(s) Page 58: C41, C21, C01, P11, P12, C11, P13

D. Regulatory status code Page 58: B

E. Operational status Page 58: Code A, Year 19

F. Number of months system was operational during 1987 Page 59: 12

G. Type and number of units Page 59: Type A, Number 22

Sec. II

A. 1987 influent quantity Instruction Page 60: Total 27000; RCRA 0

B. UOM Page 61: M

C. 1987 solid/sludge residual quantity Page 61: Total 62; RCRA 62

D. 1987 aqueous effluent quantity Page 62: Total 27000; RCRA 0

Sec. III

A. Maximum capacity Instruction Page 63: 130

B. Operational capacity Page 64: 4500

C. Limitations on capacity Page 65: 1. B 2. F 3. D

D. Commercial availability code Page 65: D

E. Percent capacity commercially available Page 65: 0 %

Sec. IV

A. Life expectancy Instruction Page 66: 5 Years

B. Expected change in maximum capacity during next 5 years (through 1992) Page 66: ☐ Yes (CONTINUE WITH BOX C) ☒ No (SKIP REMAINING QUESTIONS)

C. Increase or decrease in maximum capacity code Page 66:

D. Amount of change Page 67:

E. Expected year of change Page 67: 19

F. Future commercial availability code Page 67:

G. Percent future capacity commercially available Page 67: %

Comments:

WASTEWATER EFFLUENTS RESULTING FROM ELECTROPLATING PROCESSES OPERATIONS ARE TREATED THROUGH THE WASTE-TREATMENT PLANT. WASTE STREAMS ARE SEGREGATED AS: CYANIDE, CHROME, ACIDS, ALKALINES, RINSE WATERS. TREATMENT PROVIDES FOR CYANIDE DESTRUCTION, CHROME REDUCTION, CHEMICAL PRECIPITATION, CLARIFICATION, FILTRATION AND NEUTRALIZATION. SLUDGES ARE PRESS FOR WATER REMOVAL. THE PLANT OPERATES UNDER NPDES PERMIT NO. PR0000566.

GE_CARIBE001168

1987 BIENNIAL REPORT - CONTROLS Reference

OMB#: 2050-0024 Expires 12-31-88

PRD090051410 L
CARIBE GE PROD., INC. BLDG #1-VEGA ALTA
~~RAFAEL MARTINEZ PROCESS SPEC~~
30.2 KM HIGHWAY 2
VEGA ALTA PR 00762

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM IC

IDENTIFICATION AND CERTIFICATION

WHO MUST COMPLETE THIS FORM? Form IC must be completed by every site that received this package.

INSTRUCTIONS: Please read the detailed instructions beginning on page 8 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Complete Sections I through IV and Sections VI through IX immediately. Complete Section V, certification, after you have finished the full report package.

SEC. I. Site name and physical location which may differ from the mailing address. Complete items A through G.
Mark [X] for items A, B, C, D, F, and G if same as label; if different, enter corrections. If label is absent, enter information.

A. Site/company name	B. EPA ID No.
Same as label [X] or →	Same as label [X] or →

C. Address number and street name of physical location - if not known, enter industrial park, building name or other physical location description
Same as label [X] or →

D. City, town, village, etc.	E. County	F. State	G. Zip Code
Same as label [X] or →		Same as label [X] or →	Same as label [X] or →

SEC. II. Mailing address of site.
Mark [X] for A, B, C, and D if same as label; if different, enter corrections.

A. Number and street name of mailing address
Same as label [ ] or → P.O. BOX 328

B. City, town, village, etc.	C. State	D. Zip Code
Same as label [X] or →	Same as label [X] or →	Same as label [X] or →

SEC. III. Name, title, and telephone number of the person who should be contacted if questions arise regarding this report.

A. Please print: Last name	First name	M.I.	B. Title	C. Telephone
YUMET	EDUARDO		PROCESS ENGINEER	809 883-3000 Extension 223

SEC. IV. Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. SIC codes are listed beginning on page 1 of the 1987 Hazardous Waste Generation, Shipment and Management Report Codebook.

A.	B.	C.	D.	E.	F.
3625					

SEC V. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. Please print: Last name	First name	M.I.	Title
YUMET	EDUARDO		PROCESS ENGINEER

B. Signature	Date of signature
Eduardo Yumet	06 (Mo.) 08 (Day) 88 (Yr.)

OVER →

EPA Form 8700 - 13A/B (5-80) (Rev. 11-85) Revised (12-87)

GE_CARIBE001169

SEC. VI. Does this site's EPA ID authorize hazardous waste generation?

- [ ] NO → SKIP TO SECTION VII.
- [x] YES → Did this site generate any hazardous waste during 1987?
  - [ ] YES → READ DETAILED INSTRUCTION ON PAGE 4 OF THE 1987 HAZARDOUS WASTE GENERATION AND MANAGEMENT REPORT INSTRUCTIONS BOOKLET FOR ACUTE AND ACCUMULATION LIMITS. MARK [X] NEXT TO THE HAZARDOUS WASTE GENERATION QUANTITY CATEGORY THAT APPLIED TO THIS SITE DURING 1987.
    - [x] Category 1: More than 1000 kg (2,200 lb) in one or more months
    - [ ] Category 2: More than 100 kg (220 lb) but no more than 1000 kg (2,200 lb) in any single month
    - [ ] Category 3: No more than 100 kg (220 lb) in any single month
      - [ ] Mark [X] if this site changed from Category 1 to Category 2 or 3 due to waste minimization activity conducted during 1986 or 1987.
  - [ ] NO → CONTINUE BELOW, MARK [X] NEXT TO ALL THAT APPLY.
    - [ ] Generated, excluded or delisted wastes
    - [ ] Generated hazardous waste prior to 1987 but do not expect to generate in the future - MARK [X] FOR REASON IN ONE BOX BELOW
      - [ ] Waste was from one-time event(s) (e.g. spills, remedial actions, etc.)
      - [ ] Waste minimization activity undertaken during 1986 or 1987
      - [ ] Out of business
    - [ ] Generated hazardous waste prior to 1987 and expect to generate in the future
    - [ ] Never generated before but expect to generate in the future
    - [ ] Never generated and do not expect to generate in the future - MARK [X] FOR REASON IN ONE BOX BELOW
      - [ ] Protective notifier only
      - [ ] Misunderstood the requirements
      - [ ] Notified to secure transportation services
      - [ ] Other EXPLAIN REASON FOR GENERATOR NOTIFICATION IN COMMENTS

SEC. VII. Does this site have RCRA Interim Status or a RCRA permit to treat, store, or dispose hazardous waste?

- [x] NO → SKIP TO SECTION VIII
- [ ] YES → Did the site treat, store, or dispose (T/S/D) hazardous waste in RCRA-regulated units during 1987?
  - [ ] YES → SKIP TO SECTION VIII
  - [ ] NO → CONTINUE BELOW, MARK [X] NEXT TO ALL THAT APPLY
    - [ ] T/S/D excluded waste during 1987
    - [ ] T/S/D hazardous waste in exempt units during 1987
    - [ ] T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. MARK [X] IN ONE BOX BELOW
      - [ ] T/S/D will resume in the future
      - [ ] Have notified of planned closure
      - [ ] Site is in closure or post closure
    - [ ] Never T/S/D hazardous waste prior to 1987 but: MARK [X] IN ONE BOX BELOW
      - [ ] Expect to T/S/D hazardous waste in the future
      - [ ] Do not expect to T/S/D hazardous waste in the future - EXPLAIN REASON FOR INTERIM STATUS OR PERMIT IN COMMENTS

SEC. VIII. Do you wish to withdraw this site's generator notification or EPA Part A permit application?

Withdraw generator notification	[ ] Yes	[x] No
Withdraw Part A permit application	[ ] Yes	[ ] No NA

SEC. IX. Does this site have an area not requiring a RCRA Part A or Part B permit that is used exclusively for the short term accumulation of hazardous waste?

- [ ] NO
- [x] YES → DOES THE AREA HAVE:

			ENTER THE NUMBER OF TANKS AND THEIR TOTAL CAPACITY IN GALLONS.
Containers	[ ] No	[x] Yes	
Tanks	[ ] No	[x] Yes →	18 Number; 16000 Gallon capacity

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. PRODUCTS, INC.
PLANT #1 HIGHWAY #2 KM.30.2
VEGA ALTA, P. R. 00762

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM GM

WASTE GENERATION AND MANAGEMENT

WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.

☐ Mark ☒ if you are not required to complete Form GM.

INSTRUCTIONS: Please read the detailed instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I

A. Waste description (Instruction Page 12): METAL HYDROXIDE ELECTROPLATING SLUDGE

B. EPA hazardous waste code (Page 12): F006

C. State hazardous waste code (Page 13): NA

D. SIC code (Page 13): 3625

E. Source code (Page 13): 10

F. Waste form code (Page 13): N22

G. Waste minimization results (Page 13): A

Sec. II

A. Organics (Instruction Page 14): High ; Low ; Test ; Note N

B. Water (Page 15): High H; Low ; Note

C. Total Solids (Page 15): High G; Low ; Note

D. Suspended Solids (Page 15): High ; Low ; Note N

E. BTU (Page 16): High ; Low ; UOM ; Note N

F. Toxic Metals (Page 16) Note C

Metal	High	Low	Test
1. AS	X		T
2. SE	X		T
3. CU	6		
4. NI	6		
5.			
6.			

G. pH (Page 18): High 7.1; Low ; Note

H. Flashpoint (Page 18): High °F; Low °F; Note G

I. Cyanides (Page 19): High ; Low ; Test ; Note G

J. Halogens (Page 20): High ; Low ; Note N

K. Radioactive (Page 20): Yes ☐; No ☐; Note N

Sec. III

A. 1986 quantity generated (Instruction Page 20): 74

B. 1987 quantity generated (Page 20): 62

C. UOM (Page 21): M

D. Density (Page 21): NA ; ☐ lbs/gal ☐ kg

E. Waste origin (Page 21) Code C; On-site T/S/D/R code C01

F. On-site T/S/D/R code (Page 21): 1. C41 2. C21 3. C01 4. P11 5. P13 6. S01 7. 8.

Sec. IV

A. EPA ID No. of facility to which waste was shipped (Instruction Page 22): AZD980735500

B. Number of shipments (Page 22): 5

C. Transport mode (Page 23): G

D. Off-site T/S/D/R code (Page 23): M32

E. Total Quantity shipped (Page 23): 62

Comments: TRANSPORTATION WAS PERFORMED BY HIGHWAY AND MARINE

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE G.E. PRODUCTS, INC.
PLANT #1 HWY. NO. 2 KM 30.2
VEGA ALTA, P.R. 00762

EPA ID NO. PRD090310410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM GM

WASTE GENERATION AND MANAGEMENT

WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.

☐ Mark ☒ if you are not required to complete Form GM.

INSTRUCTIONS: Please read the detailed instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Management Report instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I

A. Waste description (Instruction Page 12): WASTE 1,1,1, TRICHLOROETHANE FROM VAPOR DEGREASING OPERATIONS.

B. EPA hazardous waste code (Page 12): F001

C. State hazardous waste code (Page 13): (NA)

D. SIC code (Page 13): 3625

E. Source code (Page 13): 10

F. Waste form code (Page 13): H61

G. Waste minimization results (Page 13): B

Sec. II

A. Organics (Instruction Page 14): High A; Low; Test A; Note

B. Water (Page 15): High 0; Low; Note

C. Total Solids (Page 15): High; Low; Note D

D. Suspended Solids (Page 15): High; Low; Note N

E. BTU (Page 16): High; Low; UOM; Note D

F. Toxic Metals (Page 16): Note A

Metal	High	Low	Test
1.			
2.			
3.			
4.			
5.			
6.			

G. pH (Page 18): High 6.8; Low; Note

H. Flashpoint (Page 18): High °F; Low °F; Note G

I. Cyanides (Page 19): High; Low; Test; Note G

J. Halogens (Page 20): High B; Low; Note

K. Radioactive (Page 20): Yes ☐; No ☐; Note N

Sec. III

A. 1986 quantity generated (Instruction Page 20): 2

B. 1987 quantity generated (Page 20): 1.1

C. UOM (Page 21): M

D. Density (Page 21): 1.14; ☐ lbs/gal ☒ sg

E. Waste origin (Page 21): Code A; On-site T/S/D/R code

F. On-site T/S/D/R code (Page 21): 1. H01 2. 3. 4. 5. 6. 7. 8.

Sec. IV

A. EPA ID No. of facility to which waste was shipped (Instruction Page 22): PRD039197118

B. Number of shipments (Page 22): 3

C. Transport mode (Page 23): H

D. Off-site T/S/D/R code (Page 23): M20

E. Total Quantity shipped (Page 23): 1.1

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE G.E. PRODUCTS, INC.
PLANT #1 HWY. #2 KM 30.2
VEGA ALTA, P. R. 00762

EPA ID NO. PRD009003141 0

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM GM

WASTE GENERATION AND MANAGEMENT

WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.

☐ Mark ☒ if you are not required to complete Form GM.

INSTRUCTIONS: Please read the detailed instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Management Report instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I

A. Waste description (Instruction Page 12): WASTE MINERAL SPIRITS FROM DEGREASING OPERATIONS.

B. EPA hazardous waste code (Page 12): D001

C. State hazardous waste code (Page 13): (NA)

D. SIC code (Page 13): 3612 5

E. Source code (Page 13): 10

F. Waste form code (Page 13): H812

G. Waste minimization results (Page 13): B

Sec. II

A. Organics (Instruction Page 14): High F; Low; Test A; Note

B. Water (Page 15): High Q; Low; Note

C. Total Solids (Page 15): High; Low; Note D

D. Suspended Solids (Page 15): High; Low; Note N

E. BTU (Page 16): High; Low; UOM; Note D

F. Toxic Metals (Page 16) Note B

Metal	High	Low	Test
1.			
2.			
3.			
4.			
5.			
6.			

G. pH (Page 18): High 7.1; Low; Note

H. Flashpoint (Page 18): High 100 °F; Low °F; Note

I. Cyanides (Page 19): High; Low; Test; Note G

J. Halogens (Page 20): High; Low; Note N

K. Radioactive (Page 20): Yes ☐; No ☐; Note N

Sec. III

A. 1986 quantity generated (Instruction Page 20): 0.45

B. 1987 quantity generated (Page 20): 1.1

C. UOM (Page 21): M

D. Density (Page 21): 0.81 ☐ lbs/gal ☐ sg

E. Waste origin (Page 21) Code A; On-site T/S/D/R code

F. On-site T/S/D/R code (Page 21): 1. H01 2. 3. 4. 5. 6. 7. 8.

Sec. IV

A. EPA ID No. of facility to which waste was shipped (Instruction Page 22): PRD039971 8

B. Number of shipments (Page 22): 3

C. Transport mode (Page 23): H

D. Off-site T/S/D/R code (Page 23): M20

E. Total Quantity shipped (Page 23): 1.1

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. PRODUCTS, INC.
PLANT #1 HWY. NO.2 KM.30.2
VEGA ALTA, P.R. 00762

EPA ID NO.: PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM GM

WASTE GENERATION AND MANAGEMENT

WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.

☐ Mark ☒ if you are not required to complete Form GM.

INSTRUCTIONS: Please read the detailed instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Management Report instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I

A. Waste description Instruction Page 12: OBSOLETE RAW MATERIAL (MOLDING COMPOUND): EP-347 RESIN

B. EPA hazardous waste code Page 12: D001

C. State hazardous waste code Page 13: (NA)

D. SIC code Page 13: 3625

E. Source code Page 13: 22

F. Waste form code Page 13: N48

G. Waste minimization results Page 13: B

Sec. II

A. Organics Instruction Page 14: High T; Low; Test; Note

B. Water Page 15: High; Low; Note D

C. Total Solids Page 15: High; Low; Note D

D. Suspended Solids Page 15: High; Low; Note N

E. BTU Page 16: High; Low; UOM; Note D

F. Toxic Metals Page 16 Note A

	Metal	High	Low	Test
1.				
2.				
3.				
4.				
5.				
6.				

G. pH Page 18: High; Low; Note C

H. Flashpoint Page 18: High 95 °F; Low °F; Note

I. Cyanides Page 19: High; Low; Test; Note C

J. Halogens Page 20: High; Low; Note N

K. Radioactive Page 20: Yes ☐; No ☐; Note N

Sec. III

A. 1986 quantity generated Instruction Page 20: 0

B. 1987 quantity generated Page 20: 0.5

C. UOM Page 21: M

D. Density Page 21: 1.89 ☐ lbs/gal ☒ sg

E. Waste origin Page 21 Code A; On-site T/S/D/R code

F. On-site T/S/D/R code Page 21: 1. H01 2. 3. 4. 5. 6. 7. 8.

Sec. IV

A. EPA ID No. of facility to which waste was shipped Instruction Page 22: ARD069748192

B. Number of shipments Page 22: 1

C. Transport mode Page 23: G

D. Off-site T/S/D/R code Page 23: M50

E. Total Quantity shipped Page 23: 0.5

Comments: TRANSPORTATION PERFORMED BY HIGHWAY AND MARINE

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. PRODUCTS, INC.
PLANT #1 HWY. #2 KM. 30.2
VEGA ALTA, P.R. 00762

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM GM

WASTE GENERATION AND MANAGEMENT

WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.

☐ Mark ☒ if you are not required to complete Form GM.

INSTRUCTIONS: Please read the detailed instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Management Report instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I

A. Waste description, Instruction Page 12: CONTAMINATED PVC PIPING REPLACED IN PLATING PROCESSES.

B. EPA hazardous waste code, Page 12: F006

C. State hazardous waste code, Page 13: (NA)

D. SIC code, Page 13: 3625

E. Source code, Page 13: 21

F. Waste form code, Page 13: N91

G. Waste minimization results, Page 13: B

Sec. II

A. Organics, Instruction Page 14: High; Low; Test; Note N

B. Water, Page 15: High; Low; Note N

C. Total Solids, Page 15: High A; Low; Note

D. Suspended Solids, Page 15: High; Low; Note N

E. BTU, Page 16: High; Low; UOM; Note N

F. Toxic Metals, Page 16: Note D

Metal	High	Low	Test
1.			
2.			
3.			
4.			
5.			
6.			

G. pH, Page 18: High; Low; Note A

H. Flashpoint, Page 18: High °F; Low °F; Note G

I. Cyanides, Page 19: High; Low; Test; Note A

J. Halogens, Page 20: High; Low; Note N

K. Radioactive, Page 20: Yes ☐; No ☐; Note N

Sec. III

A. 1986 quantity generated, Instruction Page 20: 0

B. 1987 quantity generated, Page 20: 1.4

C. UOM, Page 21: M

D. Density, Page 21: (NA) ☐ lbs/gal ☐ sg

E. Waste origin, Page 21: Code A; On-site T/S/D/R code

F. On-site T/S/D/R code, Page 21: 1. H01 2. 3. 4. 5. 6. 7. 8.

Sec. IV

A. EPA ID No. of facility to which waste was shipped, Instruction Page 22: MID096963194

B. Number of shipments, Page 22: 1

C. Transport mode, Page 23: G

D. Off-site T/S/D/R code, Page 23: M40

E. Total Quantity shipped, Page 23: 1.4

Comments: TRANSPORTATION PERFORMED BY HIGHWAY AND MARINE

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. PRODUCTS, INC.
PLANT #1 - HWY. 2 KM. 30.2
VEGA ALTA, P.R. 00762

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM GM

WASTE GENERATION AND MANAGEMENT

WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.

☐ Mark ☒ if you are not required to complete Form GM.

INSTRUCTIONS: Please read the detailed instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Management Report instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I

A. Waste description (Instruction Page 12): WASTE OIL

B. EPA hazardous waste code (Page 12): D001

C. State hazardous waste code (Page 13): (NA)

D. SIC code (Page 13): 3625

E. Source code (Page 13): 10

F. Waste form code (Page 13): H83

G. Waste minimization results (Page 13): B

Sec. II

A. Organics (Instruction Page 14): High A; Low; Test A; Note

B. Water (Page 15): High Q; Low; Note

C. Total Solids (Page 15): High Q; Low; Note

D. Suspended Solids (Page 15): High; Low; Note N

E. BTU (Page 16): High 19300; Low; UOM P; Note

F. Toxic Metals (Page 16): Note C

Metal	High	Low	Test
1. CU	T		
2.			
3.			
4.			
5.			
6.			

G. pH (Page 18): High 6.0; Low; Note

H. Flashpoint (Page 18): High °F; Low °F; Note C

I. Cyanides (Page 19): High; Low; Test; Note G

J. Halogens (Page 20): High; Low; Note N

K. Radioactive (Page 20): Yes ☐; No ☐; Note N

Sec. III

A. 1986 quantity generated (Instruction Page 20): 0.91

B. 1987 quantity generated (Page 20): 3

C. UOM (Page 21): M

D. Density (Page 21): 0.87; ☐ lbs/gal ☒ sg

E. Waste origin (Page 21): Code A; On-site T/S/D/R code

F. On-site T/S/D/R code (Page 21): 1. H01; 2.; 3.; 4.; 5.; 6.; 7.; 8.

Sec. IV

A. EPA ID No. of facility to which waste was shipped (Instruction Page 22): PRD039971718

B. Number of shipments (Page 22): 2

C. Transport mode (Page 23): H

D. Off-site T/S/D/R code (Page 23): M20

E. Total Quantity shipped (Page 23): 3

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE G.E. PRODUCTS, INC.
PLANT #1 - HWY. NO.2 KM. 30.2
VEGA ALTA, P. R. 00762

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM GM

WASTE GENERATION AND MANAGEMENT

WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.

☐ Mark ☒ if you are not required to complete Form GM.

INSTRUCTIONS: Please read the detailed instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Management Report instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I

A. Waste description, Instruction Page 12: WASTE CUTTING OIL

B. EPA hazardous waste code, Page 12: D008

C. State hazardous waste code, Page 13: (NA)

D. SIC code, Page 13: 3625

E. Source code, Page 13: 10

F. Waste form code, Page 13: H83

G. Waste minimization results, Page 13: B

Sec. II

A. Organics, Instruction Page 14: High Q; Low; Test A; Note

B. Water, Page 15: High A; Low; Note

C. Total Solids, Page 15: High P; Low; Note

D. Suspended Solids, Page 15: High; Low; Note N

E. BTU, Page 16: High; Low; UOM; Note N

F. Toxic Metals, Page 16: Note C

	Metal	High	Low	Test
1.	PB	Q		
2.	CU	S		
3.				
4.				
5.				
6.				

G. pH, Page 18: High 7.2; Low; Note

H. Flashpoint, Page 18: High °F; Low °F; Note C

I. Cyanides, Page 19: High; Low; Test; Note G

J. Halogens, Page 20: High; Low; Note N

K. Radioactive, Page 20: Yes ☐; No ☐; Note N

Sec. III

A. 1986 quantity generated, Instruction Page 20: 0.45

B. 1987 quantity generated, Page 20: 0.9

C. UOM, Page 21: M

D. Density, Page 21: 1.01; ☐ lbs/gal ☒ sg

E. Waste origin, Page 21: Code A; On-site T/S/D/R code

F. On-site T/S/D/R code, Page 21: 1. H01; 2.; 3.; 4.; 5.; 6.; 7.; 8.

Sec. IV

A. EPA ID No. of facility to which waste was shipped, Instruction Page 22: PRD093997118

B. Number of shipments, Page 22: 2

C. Transport mode, Page 23: H

D. Off-site T/S/D/R code, Page 23: M20

E. Total Quantity shipped, Page 23: 0.9

Comments:

GE_CARIBE001177

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. PRODUCTS, INC.
PLANT #1 - HWY. No. 2 KM.30.2
VEGA ALTA, P. R. 00762

EPA ID NO. PRD090031410

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM WR

WASTE RECEIVED FROM OFF SITE

WHO MUST COMPLETE THIS FORM? Form WR must be completed by every site that received hazardous waste from an off-site source during 1987.

[X] Mark [X] if you are not required to complete Form WR.

INSTRUCTIONS: Please read the detailed instructions beginning on page 24 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Photocopy and complete additional copies of this form if your site received more than two hazardous wastes from off site during 1987.

For each waste, complete boxes A through J. Throughout this form enter "DK" if the information requested is not known or not available; enter "NA" if the information is not applicable.

Waste 1

A. Description of hazardous waste
Instruction Page 24

B. EPA hazardous waste code
Page 24

C. State hazardous waste code
Page 25

D. Off-site source EPA ID No.
Page 25

E. 1987 Quantity received
Page 25

F. UOM
Page 25

G. Density
Page 25
☐ lbs/gal ☐ sg

H. Waste form code
Page 25

I. Number of shipments
Page 25

J. On-site T/S/D/R code
Page 26
1 2 3 4
5 6 7 8

Waste 2

A. Description of hazardous waste
Instruction Page 24

B. EPA hazardous waste code
Page 24

C. State hazardous waste code
Page 25

D. Off-site source EPA ID No.
Page 25
Same as above ☐
Mark [X] if same as in Waste 1
or ->

E. 1987 Quantity received
Page 25

F. UOM
Page 25

G. Density
Page 25
☐ lbs/gal ☐ sg

H. Waste form code
Page 25

I. Number of shipments
Page 25

J. On-site T/S/D/R code
Page 26
1 2 3 4
5 6 7 8

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: CARIBE G.E. PRODUCTS, INC.
PLANT #1 - HWY. 2 KM. 30.2
VEGA ALTA, P. R. 00762

EPA ID NO. PRD090031410

U.S ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM OI

OFF-SITE IDENTIFICATION

WHO MUST COMPLETE THIS FORM? Form OI must be completed by every site that shipped hazardous waste off site and every site that received hazardous waste from off site during 1987.

☐ Mark [X] if you are not required to complete Form OI.

INSTRUCTIONS: Please read the detailed instructions beginning on page 27 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Complete A through E for each off-site installation to which you shipped waste or from which you received waste during 1987.

Complete A through D for every transporter you used during the reporting year.

Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable. Make and complete additional copies of this form if you need to identify more than four off-site installations or transporters.

Site 1

A. EPA ID No. of off-site installation or transporter (Instruction page 27): PRD093971 18

B. Name of off-site installation or transporter (Page 27): SAFETY KLEEN ENVIROSYSTEMS CO., INC.

C. Site type code (Page 28): F

D. Site relationship code (Page 28): D

E. Address of off-site installation (Page 28):
Street: HIGHWAY NO. 2 KM. 51
City: MANATI State: PR Zip Code: 00701-

Site 2

A. EPA ID No. of off-site installation or transporter (Instruction page 27): AZD980735500

B. Name of off-site installation or transporter (Page 27): WORD RESOURCES COMPANY (WRC)

C. Site type code (Page 28): F

D. Site relationship code (Page 28): D

E. Address of off-site installation (Page 28):
Street: 8113 WEST SHERMAN
City: PHOENIX State: AZ Zip Code: 85043-

Site 3

A. EPA ID No. of off-site installation or transporter (Instruction page 27): ARD069748192

B. Name of off-site installation or transporter (Page 27): ENSCO INC.

C. Site type code (Page 28): F

D. Site relationship code (Page 28): D

E. Address of off-site installation (Page 28):
Street: AMERICAN OIL ROAD
City: EL DORADO State: AR Zip Code: 71731-

Site 4

A. EPA ID No. of off-site installation or transporter (Instruction page 27): MID096196314

B. Name of off-site installation or transporter (Page 27): CHEM MET SERVICES

C. Site type code (Page 28): F

D. Site relationship code (Page 28): D

E. Address of off-site installation (Page 28):
Street: 18550 ALLEN ROAD
City: WYANDOTTE State: MI Zip Code: 48192-

Comments:

GE_CARIBE001179

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE G.E. PRODUCTS, INC.
PLANT #1 - HWY. NO. 2 KM. 30.2
VEGA ALTA, P. R. 00762

EPA ID NO. PRD090031410

U.S ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM **OI**

OFF-SITE IDENTIFICATION

WHO MUST COMPLETE THIS FORM? Form OI must be completed by every site that shipped hazardous waste off site and every site that received hazardous waste from off site during 1987.

☐ Mark [X] if you are not required to complete Form OI.

INSTRUCTIONS: Please read the detailed instructions beginning on page 27 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Complete A through E for each off-site installation to which you shipped waste or from which you received waste during 1987.

Complete A through D for every transporter you used during the reporting year.

Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable. Make and complete additional copies of this form if you need to identify more than four off-site installations or transporters.

Site 1

A. EPA ID No. of off-site installation or transporter (Instruction page 27): PRD095470716

B. Name of off-site installation or transporter (Page 27): LOS VAQUEROS

C. Site type code (Page 28): T

D. Site relationship code (Page 28): D

E. Address of off-site installation (Page 28): Street ____ City ____ State ____ Zip Code ____-____

Site 2

A. EPA ID No. of off-site installation or transporter (Instruction page 27): PRD090220732

B. Name of off-site installation or transporter (Page 27): JUAN E. HERNANDEZ, INC.

C. Site type code (Page 28): T

D. Site relationship code (Page 28): D

E. Address of off-site installation (Page 28): Street ____ City ____ State ____ Zip Code ____-____

Site 3

A. EPA ID No. of off-site installation or transporter (Instruction page 27): PRD006925666

B. Name of off-site installation or transporter (Page 27): CARRERAS TRUCKING CO.

C. Site type code (Page 28): T

D. Site relationship code (Page 28): D

E. Address of off-site installation (Page 28): Street ____ City ____ State ____ Zip Code ____-____

Site 4

A. EPA ID No. of off-site installation or transporter (Instruction page 27): PRD095593610

B. Name of off-site installation or transporter (Page 27): TRAILER MARINE TRANSPORT

C. Site type code (Page 28): T

D. Site relationship code (Page 28): D

E. Address of off-site installation (Page 28): Street ____ City ____ State ____ Zip Code ____-____

Comments:

GE_CARIBE001180

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME CARIBE G.E. PRODUCTS, INC.
PLANT #1 - HWY. NO.2 KM. 30.2
VEGA ALTA, P. R. 00762

EPA ID NO. P R D 0 9 0 0 3 1 4 1 0

U.S ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM **OI**

OFF-SITE IDENTIFICATION

WHO MUST COMPLETE THIS FORM? Form OI must be completed by every site that shipped hazardous waste off site and every site that received hazardous waste from off site during 1987.

☐ Mark [X] if you are not required to complete Form OI.

INSTRUCTIONS: Please read the detailed instructions beginning on page 27 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Complete A through E for each off-site installation to which you shipped waste or from which you received waste during 1987.

Complete A through D for every transporter you used during the reporting year.

Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable. Make and complete additional copies of this form if you need to identify more than four off-site installations or transporters.

Site 1

A. EPA ID No. of off-site installation or transporter Instruction page 27: P R D 0 0 0 7 2 6 8 1 0

B. Name of off-site installation or transporter Page 27: P. R. MARINE MANAGEMENT

C. Site type code Page 28: T

D. Site relationship code Page 28: D

E. Address of off-site installation Page 28
Street
City State Zip Code

Site 2

A. EPA ID No. of off-site installation or transporter Instruction page 27:

B. Name of off-site installation or transporter Page 27:

C. Site type code Page 28:

D. Site relationship code Page 28:

E. Address of off-site installation Page 28
Street
City State Zip Code

Site 3

A. EPA ID No. of off-site installation or transporter Instruction page 27:

B. Name of off-site installation or transporter Page 27:

C. Site type code Page 28:

D. Site relationship code Page 28:

E. Address of off-site installation Page 28
Street
City State Zip Code

Site 4

A. EPA ID No. of off-site installation or transporter Instruction page 27:

B. Name of off-site installation or transporter Page 27:

C. Site type code Page 28:

D. Site relationship code Page 28:

E. Address of off-site installation Page 28
Street
City State Zip Code

Comments:

GE_CARIBE001181

PRD090031410 L
CARIBE GE PROD., INC. BLDG #1-VEGA ALTA
~~RAFAEL MARTINEZ PROCESS SPEC~~
30.2 KM HIGHWAY 2
VEGA ALTA PR 00762

U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Management Report

FORM WM

WASTE MINIMIZATION

PART I

WHO MUST COMPLETE THIS FORM? Form WM Part I, describing efforts undertaken to implement waste minimization programs, must be completed by all generators required to file an Annual/Biennial Report. This requirement was established in response to statutory provisions included in the Hazardous and Solid Waste Amendments of 1984 (HSWA).

NOTE: Generators shipping hazardous waste off site are required to certify, on Item 16 of the Uniform Hazardous Waste Manifest, that they have a program in place to reduce, to the degree determined economically practicable, the volume and toxicity of hazardous waste generated. A similar certification must also be made by generators who have obtained a RCRA treatment, storage, or disposal permit. Consistent with these certification requirements, generators must report, on Form WM Part I, the efforts undertaken to implement waste minimization programs.

INSTRUCTIONS: Please read the detailed instructions on page 29 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Answer questions 1 through 10. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

1. Did this site create or expand a source reduction and recycling program?

	1987		1986		Prior Years	
	Yes	No	Yes	No	Yes	No
Create	☐	☐	☐	☐	☒	☐
Expand	☒	☐	☒	☐	☐	☐

2. Did this site have a written policy or statement that outlined goals, objectives and methods for source reduction and recycling of hazardous waste?

	1987	1986	Prior Years
Yes	☒	☒	☒
No	☐	☐	☐

3. What was the dollar amount of capital expenditures (plant and equipment) and operating costs devoted to source reduction and recycling of hazardous waste? ENTER ZERO (0) IF NONE.

	1987	1986	Prior Years
Capital expenditures	$ 0	$ 0	$ 20,000
Operating costs	$ 40,000	$ 30,000	$ 20,000

4. Did this site have an employee training program or provide incentives (bonuses, awards, personal recognition, etc.) to identify and implement source reduction and recycling opportunities and activities?

	1987		1986		Prior Years	
	Yes	No	Yes	No	Yes	No
Training	☒	☐	☒	☐	☒	☐
Incentives	☐	☒	☐	☒	☐	☒

OVER —>

5. Did this site conduct a source reduction and/or recycling opportunity assessment or audit? Note: an opportunity assessment or audit is a procedure that identifies practices that can be implemented to reduce the generation of hazardous waste or the quantity which must subsequently be treated, stored or disposed.

	1987		1986		Prior Years	
	Yes	No	Yes	No	Yes	No
Site-Wide	☐	☐	☐	☐	☐	☐
Process-Specific	☒	☐	☒	☐	☒	☐

6. Did this site identify or implement new SOURCE REDUCTION opportunities to reduce the volume and/or toxicity of hazardous waste generated at this site?

	1987		1986		Prior Years	
	Yes	No	Yes	No	Yes	No
Identify	☒	☐	☐	☒	☒	☐
Implement	☒	☐	☐	☒	☒	☐

7. What factors have delayed or prevented implementation of SOURCE REDUCTION opportunities. MARK ☒ NEXT TO ALL THAT APPLY.

- ☐ a. Insufficient capital to install new source reduction equipment or implement new source reduction practices.
- ☒ b. Lack of technical information on source reduction techniques, applicable to my specific production processes.
- ☐ c. Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ d. Concern that product quality may decline as a result of source reduction.
- ☐ e. Technical limitations of the production processes.
- ☐ f. Permitting burdens.
- ☐ g. Other (SPECIFY) _____

8. Did this site identify or implement new RECYCLING opportunities to reduce the volume and/or toxicity of hazardous waste generated at this site or subsequently treated, stored, or disposed of on site or off site?

	1987		1986		Prior Years	
	Yes	No	Yes	No	Yes	No
Identify	☐	☐	☐	☐	☒	☐
Implement	☒	☐	☒	☐	☒	☐

EPA ID NO. P R D 0 0 9 1 0 0 1 3 1 1 4 1 1 0

9. What factors have delayed or prevented implementation of on-site or off-site RECYCLING opportunities. MARK [X] NEXT TO ALL THAT APPLY.

- [ ] a. Insufficient capital to install new recycling equipment or implement new recycling practices.
- [ ] b. Lack of technical information on recycling techniques applicable to this site's specific production processes.
- [X] c. Recycling is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- [X] d. Concern that product quality may decline as a result of recycling.
- [ ] e. Requirements to manifest wastes inhibit shipments off site for recycling.
- [ ] f. Financial liability provisions inhibit shipments off site for recycling.
- [ ] g. Technical limitations of product processes inhibit shipments off site for recycling.
- [ ] h. Technical limitations of production processes inhibit on-site recycling.
- [ ] i. Permitting burdens inhibit recycling.
- [ ] j. Lack of permitted off-site recycling facilities.
- [ ] k. Unable to identify a market for recyclable materials.
- [ ] l. Other (SPECIFY) _____

10. Has this site requested or received technical information or financial assistance on source reduction and/or recycling practices from any of the following sources? MARK [X] NEXT TO ALL THAT APPLY.

	1987		1986		Prior Years	
	Technical	Financial	Technical	Financial	Technical	Financial
a. Local government	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
b. State government	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
c. Federal government	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
d. Trade associations	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
e. Educational institutions	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
f. Suppliers	[X]	[ ]	[ ]	[ ]	[ ]	[ ]
g. Other parts of your firm	[X]	[X]	[X]	[X]	[ ]	[ ]
h. Other firms/consultants	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
i. No request made	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
j. Other (conferences, literature, etc.)_____	[X]	[ ]	[X]	[ ]	[X]	[ ]

Comments:

GE_CARIBE001184

GE_CARIBE001185

PRD090031410
CARIBE GE PROD., INC. BLDG #1-VEGA ALTA
RAFAEL MARTINEZ PROCESS SPEC
30.2 KM HIGHWAY 2
VEGA ALTA PR 00762

FORM **WM**

1987 Hazardous Waste Generation and Management Report

WASTE MINIMIZATION

PART II

WHO MUST COMPLETE THIS FORM? Form WM Part II must be completed only by generators that engaged in an activity during 1987 resulted in waste minimization.

Waste minimization means:
(1) reduction in the volume and/or toxicity of hazardous waste generated as a result of so reduction; and/or,
(2) reduction in the volume and/or toxicity of hazardous waste subsequently treated, stored disposed as a result of on-site or off-site recycling.

[X] Mark ☒ and do not complete this form if no waste minimization results were achieved during 19

INSTRUCTIONS: Please read the detailed Instructions beginning on page 30 of the 1987 Hazardous W Generation and Management Report Instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste minimized in 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is known or is not available; enter "NA" if the information requested is not applicable.

Sec. I

A. EPA hazardous waste code Instruction Page 31

B. State hazardous waste code Page 31

C. Product or service description Page 31

D. Product or serv SIC code Page 31

E. Waste form code Page 31

F. UOM Page 32

G. Density Page 32 lbs/gal sg

H. Source description: Page 32

I. Source code Page 32

Sec. II

A. 1986 quantity generated Instruction Page 33

B. 1987 quantity generated Page 33

C. Production ratio Page 33

D. Toxicity change code Page 35

E. Waste minimization: recycling Page 35
Code 1. 2.
Quantity recycled

F. Waste minimization: source reduction Page 36
Code 1. 2. 3.
Quantity prevented

Sec. III

A. Narrative description of waste minimization project or activity and results achieved Instruction Page 43

Sec. IV.	**Instructions:** Answer questions 1 through 4. Mark ☒ next to the effects produced by the source reduction and/or recycling activity reported on this form in Sections I through III.

1. What effect did this site's source reduction and/or recycling activity have on the **quantity** of **water effluent** produced by hazardous waste generation processes during 1987?

   ☐ a. Increase in the quantity of water effluent

   ☐ b. Decrease in the quantity of water effluent

   ☐ c. No effect on the quantity of water effluent

   ☐ d. Don't know

2. What effect did this site's source reduction and/or recycling activity have on the **toxicity** of **water effluent** produced by hazardous waste generation processes during 1987?

   ☐ a. Increase in the concentration of hazardous constituents

   ☐ b. Decrease in the concentration of hazardous constituents

   ☐ c. No effect on the concentration of hazardous constituents

   ☐ d. Don't know

3. What effect did this site's source reduction and/or recycling activity have on the **quantity** of **air emissions** produced by hazardous waste generation processes during 1987?

   ☐ a. Increase in the quantity of air emissions

   ☐ b. Decrease in the quantity of air emissions

   ☐ c. No effect on the quantity of air emissions

   ☐ d. Don't know

4. What effect did this site's source reduction and/or recycling activity have on the **toxicity** of the **air emissions** produced by hazardous waste generation processes during 1987?

   ☐ a. Increase in the concentration of hazardous constituents

   ☐ b. Decrease in the concentration of hazardous constituents

   ☐ c. No effect on the concentration of hazardous constituents

   ☐ d. Don't know

Comments:

GE_CARIBE001186

ESTADO LIBRE ASOCIADO DE PUERTO RICO / OFICINA DEL GOBERNADOR

Reference

Junta de Calidad Ambiental

COMMONWEALTH OF PUERTO RICO/OFFICE OF THE GOVERNOR

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31 1987

I. GENERATOR EPA I.D. NUMBER

PR /D/0/9/0/0/3/1/4/1/0/

II. NAME OF INSTALLATION

CARIBE GENERAL ELECTRIC PRODUCTS, INC. - VEGA ALTA PLANT NO. 1

III. INSTALLATION MAILING ADDRESS

P. O. BOX 328
Street or P. O. Box

VEGA ALTA — P.R. — 00762
City or Town — State — Zip Code

IV. LOCATION OF INSTALLATION

HIGHWAY NO. 2 KM. 30.1
Street or Route number

VEGA ALTA — P.R. — 00762
City or Town — State — Zip Code

V. INSTALLATION CONTACT

YUMET, EDUARDO
Name (last and first)

809- 883- 3000
Phone No. (area code & no.)

ENVIRONMENTAL QUALITY BOARD

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT (cont.)

VI. GENERATOR EPA I.D. NO.

PR /D/0/9/0/0/3/1/4/1/0/

VII. FACILITY EPA I.D. NO.

PR /D/0/9/0/3/9/9/7/1/8/

VIII. FACILITY ADDRESS

HIGHWAY NO.2 KM 51
MANATI, P. R. 00701

IX. FACILITY NAME (specify facility to which all wastes on this report were shipped)

SAFETY KLEEN ENVIROSYSTEMS CO., INC.

X. COMMENTS (enter information by section number)

XI. TRANSPORTATION SERVICES USED (list the name and EPA ID NO. or all transporters whose services were used).

LOS VAQUEROS - PRD090547076; JUAN E. HERNANDEZ, INC. - PRD090220732; CARRERAS TRUCKING CO. - PRD000692566; TRAILER MARINE TRANSPOR - PRD0905559360; P.R. MARINE MANAGEMENT - PRD000726810

XII. CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

YUMET, EDUARDO	PROCESS ENGINEER
Print/Type Name	Title
Eduardo Yumet	2/26/88
Signature of Authorized Repres.	Dated Signed

XIII. WASTE IDENTIFICATION

A. Description of Waste	B. EPA Hazardous Waste No.	C. Handling Method			D. Amount of Waste	Unit of Measure
1. WASTE FLAMMABLE LIQUID, N.O.S., FLAMMABLE LIQUID, UN-1993	D 0 0 1	S01-S02	T50	T16	0.9	M (07)
2. WASTE 1,1,1,-TRICLORETHANE, ORM-A UN-2831	F 0 0 1	S01-S02	T50	T16	1.1	M
3. WASTE OIL, COMBUSTIBLE LIQUID, NA-1270	D 0 0 1	S01-S02	T50	T16	3.0	M (01)
4. HAZARDOUS WASTE LIQUID, N.O.S., ORM-E NA-9189	D 0 0 8	S01-S02	T50	T16	0.9	M (12)
5. WASTE OIL, COMBUSTIBLE LIQUID, NA-1270, NOT REGULATED		S01-S02	T50	T16	1.6	M (01)
6.						
7.						
8.						
9.						
10.						
11.						
12.						

ENVIRONMENTAL QUALITY BOARD

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT (cont.)

VI. GENERATOR EPA I.D. NO.

PR /D/0/9/0/0/3/1/4/1/0/

VII. FACILITY EPA I.D. NO.

AZ /D/9/8/0/7/3/5/5/0/0/

VIII. FACILITY ADDRESS

8113 WEST SHERMAN
PHOENIX, AZ 85043

IX. FACILITY NAME (specify facility to which all wastes on this report were shipped)

WRC PROCESSING CO.

X. COMMENTS (enter information by section number)

XI. TRANSPORTATION SERVICES USED (list the name and EPA ID NO. or all transporters whose services were used)

XII. CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

YUMET, EDUARDO	PROCESS ENINEER
Print/Type Name	Title
Eduardo Yumet	2/26/88
Signature of Authorized Repres.	Dated Signed

XIII. WASTE IDENTIFICATION

A. Description of Waste	B. EPA Hazardou Waste No.	C. Handling Method	D. Amount of Waste	Unit of Measure
1. HAZARDOUS WASTE SOLID, N.O.S., ORM-E NA-9189	F 0 0 6	T23-T59 T50-T18 (DRYING)	62.4	M (12)
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

ENVIRONMENTAL QUALITY BOARD

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT (cont.)

VI. GENERATOR EPA I.D. NO.

PR /D/0/9/0/0/3/1/4/1/0/

VII. FACILITY EPA I.D. NO.

AR /D/0/6/9/7/4/8/1/9/2/

VIII. FACILITY ADDRESS

AMERICAN OIL ROAD
P.O. BOX 1957
EL DORADO, ARKANSAS 71731

IX. FACILITY NAME (specify facility to which all wastes on this report were shipped)

ENSCO INC.

X. COMMENTS (enter information by section number)

XI. TRANSPORTATION SERVICES USED (list the name and EPA ID NO. or all transporters whose services were used)

XII. CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

YUMET, EDUARDO	PROCESS ENGINEER
Print/Type Name	Title
Eduardo Yumet	2/26/88
Signature of Authorized Repres.	Date Signed

XIII. WASTE IDENTIFICATION

A. Description of Waste	B. EPA Hazardou Waste No.	C. Handling Method		D. Amount of Waste	Unit of Measure
1. WASTE FLAMMABLE SOLID, N.O.S., FLAMMABLE SOLID, UN-1325	D 0 0 1	S01	T07	0.5	M (08)
2.					
3.					
4.					
5.					
6.					
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10.					
11.					
12.					

ENVIRONMENTAL QUALITY BOARD

GENERATOR BIENNIAL HAZARDOUS WASTE REPORT (cont.)

VI. GENERATOR EPA I.D. NO.

PR /D/0/9/0/0/3/1/4/1/0/

VII. FACILITY EPA I.D. NO.

MI /D/0/9/6/9/6/3/1/9/4/

VIII. FACILITY ADDRESS

18550 ALLEN ROAD
WYANDOTIE, MI 48192

IX. FACILITY NAME (specify facility to which all wastes on this report were shipped)

CHEM MET SERVICES

X. COMMENTS (enter information by section number)

XI. TRANSPORTATION SERVICES USED (list the name and EPA ID NO. or all transporters whose services were used)

XII. CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fire and imprisonment.

YUMET, EDUARDO	PROCESS ENGINEER
Print/Type Name	Title
Eduardo Yumet	2/26/88
Signature of Authorized Repres.	Date Signed

XIII. WASTE IDENTIFICATION

A. Description of Waste	B. EPA Hazardou Waste No.	C. Handling Method	D. Amount of Waste	Unit of Measure
1. WASTE HAZARDOUS SOLID, N.O.S., ORM-E, NA-9189	F 0 0 6	T21	1.4	M (12)
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

WASTE STREAM DESCRIPTION

Haz Waste Name	Point Generation	Generated Quantity Aprox	Propper Shipping Name	Codes	Description
Alcohol with Oil	Over Load	1 drum (30 gl) e/3year	RQ, UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S, MIXTURE, (ISOPROPYL ALCOHOL, OIL), 3, PGIII, MINIMUN FLASH POINT 38C	D001	Change of the chemicals in the calibration test process
Flux	Push Buttom	0 They use exactly that they need	UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S, 3 PG II	D001, D008	Welding operation residue in assembly areas
Fluorecent Bulbs	All Plant	700 annually	UN3077, ENVIRONMENTALLY HAZARDOUS SUBTANCES, SOLID, N.O.S, (MERCURY), 9, PGIII (UNIVERSAL WASTE LAMPS)	D009	Bulbs damage
Solid Paint, Rags, Brushes	All Plant	1-2 drums annually	NA3077, HAZARDOUS WASTE, SOLID, N.O.S, (XYLENE), 9, PGIII	F003	Is generated when we paint the facility
Paint Related Material	All Plant	1-2 drums annually	UN1263, WASTE PAINT RELATED MATERIAL,3, PGII	D001, F003, F005	Paint residues and paint damaged
Cadmium Sludge	Tumbling	1 drum Buannual	NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (CADMIUM0, 9, PGIII; NA3082, HAZARDOUS WASTE, LIQUID, N.O.S., (CADMIUM0, 9, PGIII	D006	Cleaning of the wash parts tanks
Cadmium Water	Tumbling	3-6 drums annually	NA3082, HAZARDOUS WASTE, LIQUID, N.O.S., (CADMIUM0, 9, PGIII	D006	Cleaning metal parts
Rags, gloves with Cadmium	Welding	1 drum annually	NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (RAGS,CADMIUM), 9, PGIII;	D006	PPE used in the welding process
Metal Powder with Cadmium	Tool Room	1-2 e/5 years	RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (METAL POWDERW/CADMIUM),9, PGIII	D006	Grinding process residue
Spray cans	Molding / Assembly	4-6 drums annually	UN1950, WASTE AEROSOLS, (EACH NOT EXCEEDING 1 L CAPACITY), 2.1	D001	lubrication process and asembly paint process (empty cans)
Isopar L	Tool Room / tumbling	3-5 drums annually	UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S, (ALIPHATIC & AROMATIC HYDROCARBORS), 3, PG III	D001	Cleaning metal parts
Rags with IPA/ Paint	Assembly	1-2 Biannual	UN1325, WASTE FLAMMABLE SOLID, ORGANIC, N.O.S., (ISOPROPYL ALCOHOL RAGS), 4.1,PG III	D001	Cleaning of the excess paint in assembly areas
Coils Resin	Coils	4-6 drums annually	RQ, UN1325, WASTE FLAMMABLE SOLID, ORGANIC, N.O.S, (POLYESTER RESIN, ALIPHATIC HYDROCARBONS), 4.1 PG III	D001	Material residue of the molding coils process
Dry Solid Sulfuric Acid	Fork Lift Maintenance	1 drum (30 gl)	NA 3077, HAZARDOUS WASTE SOLID, N.O.S, (SULFURIC ACID), 9, PG III	D002	Cleaning battery of the forklifts

ESTUDIO DE TITULO

CASO: CARIBE GENERAL ELECTRIC PRODUCTS, INC.

FINCA #5897, inscrita al folio 125 del tomo 173 de Juana Díaz, inscripción 1ra. (Sección I de Ponce).

DESCRIPCIÓN:

URBANA: Predio de terreno identificado como solar #4 localizado en la zona Urbana de Juana Díaz, Puerto Rico, en lindes por el NORTE, con un canal de irrigación. SUR, con terrenos propiedad de la Cooperativa Hogareña de Juana Díaz. ESTE, con la vieja carretera #149 y OESTE, con terrenos de la Compañía de Fomento Industrial de Puerto Rico identificada como solar #3 y más terrenos de la Compañía de Fomento Industrial de Puerto Rico, separados por una calle. Tiene un área superficial de 40,760.5447 metros cuadrados, equivalentes a 10.3706 cuerdas.

ORIGEN: Se segrega de la finca #4660, inscrita al folio 233 del tomo 125 de Juana Díaz.

PROPIETARIO REGISTRAL: CARIBE GENERAL ELECTRIC PRODUCTS, INC., quien adquiere por compra a la Compañía de Fomento Industrial de Puerto Rico, por el precio de $177,814.43. Según escritura #129, otorgada en San Juan, el 30 de diciembre de 1987, ante Virgilio Mainardi Peralta, inscrita al folio 190 del tomo 505 de Juana Díaz, inscripción 2da y Ultima.

CARGAS Y GRAVAMENES:

Por su procedencia:

Servidumbre de paso perpetua para ferrocarril y servidumbre de paso a favor de la finca 4412.

Por si:

LIBRE

REVISADOS: Embargos por Contribuciones, Embargos Federales, Sentencias y Bitácora Electrónica.

En esta Sección se ha establecido un sistema computadorizado de operaciones. Esta Corporación no se hace responsable por errores u omisiones en la entrada de datos en el sistema de computadora.

San Juan, Puerto Rico, a 30 de octubre de 2006.

JGI TITLE SERVICE, INC.
JGITS/jmss
#29383
Cotejado por: C
5897p1j.doc
F-msf

ALTERNATE THE POSITION OF CLIP END OF FOLDERS IN FILE DRAWER

TOP

THIS METHOD PERMITS A LARGE SAVING IN FILE DRAWER SPACE

THIS SIDE UP FOR ODD NUMBER FILES

WANTED AGAIN	ATTENDED	WANTED AGAIN	ATTENDED	WANTED AGAIN	ATTENDED

THIS SIDE UP FOR EVEN NUMBER FILES

RETURN TO FILE OF:

JUANA DIAZ 1958 — 1970

CORRESPONDENCE / LEGAL

LEASE

L

#1 30918
#2 30578
61496
Y 225
1383660

LEASE WITH OPTION TO PURCHASE PREMISES

This Contract entered into by and between the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the Lessor); and GENERAL ELECTRIC WIRING DEVICES, INC., (hereinafter referred to as the Lessee), a corporation organized under the laws of the State of New York and organized to do business in Puerto Rico, herein respectively represented by their duly authorized officers.

WITNESSETH THAT

WHEREAS, the Lessor is ~~the owner~~ acquiring of a certain landsite located north of Juana Diaz, Puerto Rico; and is willing to construct thereon one factory building as defined hereinafter in paragraph 1A; and

WHEREAS, the Lessee is willing to lease with an option to purchase the aforesaid landsite and factory building to be constructed to establish thereon a factory to be engaged in the manufacture of electrical wiring devices and components;

NOW THEREFORE, the parties hereto in consideration of the terms, covenants and agreements hereinafter contained and the faithful performance thereof hereby mutually agree as follows:

1. PREMISES: The Lessor is ~~the owner of~~ acquiring a certain landsite located north of Juana Diaz, Puerto Rico, consisting of approximately 10 acres, (Project No.), a description of which is set forth in Exhibit One attached hereto and made a part hereof.

A. Building: Lessor agrees to construct on the aforesaid landsite to be leased to the Lessee, one building as follows:

A basic half-monitor building of 120 feet by 240 feet with approximately 1200 sq. ft. of adjoining auxiliary space and toilet facilities containing a total of approximately

Note = This is a K to lease

Effective date of lease is Beneficial Occupancy as 5/15/57

30,000 sq. ft. of floor space; and which building, when completed, will have the general description set forth in Exhibit Two attached hereto and made a part hereof.

B. Plans: The plans and specifications for the above described building shall be prepared by the Lessor subject to the approval of the Lessee.

The building so constructed will include as facilities thereof, to be provided by the Lessor, the following items, subject to the conditions described hereinafter:

(1) Marginal streets to meet Lessor's or Government requirements, and a roadway connecting with the highway or marginal street, and extending to the truck docks at the side of the building with suitable turnaround area at the location of said truck docks.

(2) Water lines connecting with the water mains from Juana Díaz and extending into the building, adequate to provide at least 50,000 gallons per day at a minimum rate of 100 gallons per minute.

(3) Sanitary and storm sewer lines and connections as required to handle all of Lessee's plant domestic effluent and storm drainage, it being understood that Lessee shall provide any necessary reasonable treatment of industrial waste.

(4) Power service at the site at 4,160 volts, to connect to Lessee's substation together with all electrical distribution for lighting. The parties agree, in the event Lessee decides by November 30, 1956 that it needs power service at 38,000 volts that the Lessor will provide such power service at Lessee's expense less $6,000, such expense to be paid by Lessee as provided in Article 1 C hereof.

(5) Necessary sidewalks to the front entrance and employee entrance on side of building.

(6) Parking area consisting of one area for fifteen cars abutting the driveway at a location to be approved by Lessee.

(7) Fencing and gates to enclose three acres of the site surrounding the developed land provided as a location for the building.

(8) Sanitary, water and drinking fountain connections and drains.

(9) Floodlights at each corner of the building for yard lighting purposes.

(10) Installation of driveway lighting, as required, using materials to be provided by Lessee.

(11) Installation of necessary concealed conduit, using materials to be provided by Lessee.

(12) Installation in the building of 2 runs of floor drain piping extending the length of the building and 10 floor drains, materials to be provided by Lessee.

(13) Treatment of floors with lapidolith, lapidolith to be provided by Lessee.

(14) Interior painting of the building.

(15) Seeding and landscaping as described in Paragraph 21.

(16) Installation of two water closets, one urinal, one shower with floor drain and three lavatories in the men's toilet area, and installation of 7 water

Cont
1160/1

closets and 7 lavatories in the women's toilet area with water and sewer connections to be provided for a single men's toilet and single women's toilet in the office area, the exact location to be specified by Lessee.

(17) Four lines of trenches (within the building) approximately 12 inches wide, 15 inches deep and 40 feet long at locations to be approved by Lessee, with Lessee to supply any required additional steel including covers.

(18) Footings under floor sufficient to support mezzanine posts and cinder block partitions at locations to be specified by Lessee.

C. Construction: The construction of the abovementioned building shall be made on one or more construction contracts to be awarded by the Lessor to competent contractors through competitive bidding.

Lessee agrees to construct in the building described in Article 1 A, at its own expense some special facilities not described in said Article 1 A but which are needed by the Lessee for the efficient operation of the plant. Lessee, however, shall have the option to require the Lessor to construct such facilities, and in such event agrees to pay the Lessor the actual cost of facilities to Lessor plus 10% of that said cost to cover engineering expenses of Lessor for design and supervision of the work.

2. DURATION: The Lessor hereby leases to the Lessee and the Lessee hereby hires and takes on a lease from the Lessor of the demised premises (the aforesaid landsite with one building and other improvements) for a period of ten (10) years effective on the first of the month next succeeding the date of beneficial occu-

pancy of the building described in Paragraph 1 A of this lease or after completion of construction of said building as evidenced by the issuance of a Use Permit, whichever is earlier, but in no event later than May 15, 1957. It is hereby agreed and understood, however, that the completion of minor details of construction or the correction of defects which do not impede occupancy or other activities related to the installation of machinery and equipment and the subsequent initiation of industrial operations shall not in any way affect commencement of the lease term as hereinabove provided.

Lessor hereby grants to the Lessee options to extend this lease for two (2) additional successive five (5) year periods upon the same terms and conditions, provided all of the terms and conditions of this lease shall have been complied with, by giving written notice to the Lessor of its intention to extend the same not later than six (6) months prior to the commencement of said renewal terms.

Lessor hereby further grants to Lessee options to extend the term of this lease for two (2) further successive five (5) year periods upon the same terms and conditions except that the rental for the building during said additional terms shall be at the annual rate of 22½¢ per sq. ft. of building; provided all of the terms and conditions of this lease and any extensions thereof shall have been complied with, by giving written notice of its intention to extend the same not later than six (6) months prior to the commencement of said renewal terms.

3. RENT: The Lessee agrees to pay to the Lessor an annual rental computed at the rate of 45¢ per sq. ft. of gross floor space available upon completion of construction, which rent shall be payable in advance in equal monthly installments, except that no rental shall be charged for the building until one (1) year after the effective date of this lease.

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In addition to the rent provided for hereinabove based on building areas, the Lessee agrees to pay to the Lessor as additional rental for the undeveloped land an additional annual rental in the amount of $1,500.00 KP. All such land rent shall also be payable in advance in equal monthly installments except that no rental shall be charged for the land until one (1) year after the effective date of this lease.

4. WATER SUPPLY: The Lessor agrees to arrange for provision of an adequate supply of useable water, similar in analysis to the present Juana Diaz water supply, for consumption on the demised premises in accordance with the following schedule:

A. 25,000 gallons per day at a rate of 100 gallons per minute available for consumption on the premises by March 1, 1957.

B. A total of 50,000 gallons per day at a rate of 100 gallons per minute available for consumption on the premises by September 1, 1958.

The water lines to be installed by Lessor shall be adequate to provide the total requirement of 50,000 gallons per day at a minimum rate of 100 gallons per minute for air conditioning, domestic and process use.

In the event that useable water to meet the above requirements specified in the previous paragraph is not made or kept available for consumption on the premises, Lessee shall have the right to terminate this lease upon 30 days written notice; provided, however, that occasional temporary interruptions of water service of not more than 24 hours duration and arising from causes beyond the control of Lessor shall not be considered as grounds for such termination.

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5. UTILIZATION OF PREMISES: Lessor understands that Lessee's initial production in Puerto Rico can be accommodated in a building of approximately 30,000 sq. ft., but that Lessee expects later to require additional space for further production at the same location. Therefore, at any time during the first five years of the lease term Lessee shall have the option to request the Lessor to arrange to construct a second building not to exceed 30,000 sq. ft. according to plans and specifications to be prepared by Lessor subject to the approval of the Lessee. If Lessee shall exercise said option the rental on said second building for the remainder of the initial lease term shall be at the annual rate of 15¢ per sq. ft. of building plus 7½% of the amount by which the actual construction costs of said second building shall exceed $6.00 per sq. ft. of building area, or at the applicable rental rate of a Zone V building at the time Lessee exercises said option, whichever rate is lower. For the purpose of this provision, actual construction costs shall be based upon a certified detailed statement of such costs to be submitted by Lessor to Lessee and which the Lessee shall have the right to audit. Concurrently with the commencement of payment of rental for said second building, the annual rental to be paid for undeveloped land shall be reduced to reflect the conversion of undeveloped land to developed land as may be required or desirable for said second building. Lessor and Lessee agree to execute an amendment to this lease to incorporate the second building into this lease under all terms and conditions herein contained except as such terms and conditions may be modified by this paragraph.

Construction cost same as building costs item 14

6. MAINTENANCE OF PREMISES: The Lessee shall at all times keep the premises in good and substantial order and repair, including but not limited to, all walls, roofs, floors, vaults, water and sewer connections, windows and other

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glass, plumbing, water, gas and electric installations, pipes, wires and conduits, and the Lessee shall also replace and renew, with like kind and quality, any of the said things in, or about, the premises that may become too worn to be repaired, so that, at all times, the said premises shall be in thoroughly good order. No additions, alterations or remodeling shall be made of or to the property leased without the prior written consent of the Lessor, which consent shall not be unreasonably withheld.

Should the Lessee fail to make repairs necessary to keep the demised premises in good condition as aforesaid, the Lessor may make such repairs for the account of the Lessee upon giving the Lessee fifteen (15) days prior notice in writing, of its intention to make the same, in which case the Lessor will charge the cost thereof to the Lessee, and the Lessee will pay for the same immediately upon being billed therefor.

It shall be the responsibility of the Lessor to promptly correct any defects in the building and improvements on the demised premises which are due to faulty design or to errors of construction not apparent at the time the demised premises were inspected by Lessee for purpose of occupancy by Lessee.

7. INSPECTION OF PREMISES: The Lessor may, at all reasonable times, during business hours, but without interfering with the normal operations of Lessee's plant, inspect the demised premises to ascertain if Lessee is complying with the terms hereof.

8. LIABILITY INSURANCE: Lessee shall keep in force at all times during the life of this contract, public liability insurance in the amount of not less than FIFTY THOUSAND DOLLARS ($50,000.00) for one person and ONE HUNDRED THOUSAND DOLLARS ($100,000.00) for one accident, covering both the liability of the Lessor and the Lessee as owner and tenant, respectively, of the premises. Certified

Ins (2) separate policies 1 for Pictor 1 for W Dlhe

$100/500

See P-4 Insurance "Benefit occupancy" May 15, 1957 Per John Barnes 12-11-56

copies of the original policy or certificates of insurance and all riders or notices of payment of premiums on due date shall be placed by Lessee in the hands of Lessor within five (5) days after date on which Lessee is required hereunder to obtain such policies or pay such premiums as the case may be.

9. OTHER INSURANCES: Lessee agrees to keep the building on the demised premises insured at all times during the life of this lease or any extension thereof, against the risks of fire, hurricane, earthquake and boiler (if any) in the name of the Lessor and the Lessee as their respective interest may appear, and with responsible insurance companies authorized to do business in Puerto Rico, and for the following amounts:

A-Fire. . . . . 80% of insurable value exclusive of foundations

B-Hurricane . . 50% of insurable value exclusive of foundations

C-Earthquake. . 50% of insurable value including foundations

D-Boiler (if any) 100% of insurable value

The proceeds of any such insurance on account of casualty damages to the Lessor's property shall be totally applied to the restoration of the damaged premises with all reasonable promptness. In the event that the proceeds of such insurance are insufficient for the total restoration and repair of the demised premises, Lessor shall have an option to terminate this agreement as of the date in which the loss occurred, and Lessee shall have no right to be indemnified by Lessor for such early termination. However, Lessee may in that case, supply the necessary funds to complete the cost of the restoration and repair over and above the proceeds of the insurance and in such event Lessor shall promptly proceed to the restoration and repair of the demised premises, disregarding any notice of termination given by it hereunder.

The parties hereto agree, however, that if a substantial part of the demised premises are damaged by the occurrence of any such risks to the extent that Lessee is unable to use any such part as herein provided, and such portion of the demised premises remains in such damaged condition for a period of one hundred twenty (120) consecutive days or more, Lessee may, at its option, terminate this lease by giving written notice to Lessor to that effect, which date of termination in no event shall be earlier than the expiration of the aforesaid one hundred twenty (120) day period, provided Lessee has well and fully performed all its obligations hereunder up to such date of termination. In such event the part of the rent appertaining proportionally to the portion of the demised premises damaged as herein provided shall be abated and Lessee shall be relieved from paying such abated rent during the time that expires between the date when the damage occurred and the date of such termination or the date of completion of the repair and restoration of the aforesaid damaged portion of the demised premises.

While this lease, or any extension thereof, is in effect, the Lessee will use reasonable care in securing the doors and windows in the building upon the demised premises, in event public notice is given by the United States Weather Bureau of a threatened windstorm, flood or other calamity, sufficiently in advance to permit the Lessee to take such precautions. This paragraph shall not be deemed to require the Lessee to supply hurricane shutters for use on such occasions; but if the Lessor should supply such hurricane shutters, the Lessee will cause the same to be properly placed, at its own expense, in the event of any public notice aforesaid. However, this stipulation shall not be interpreted as imposing any liability on the Lessor for damages suffered by Lessee due to such calamities because of the failure of Lessor to supply such shutters or otherwise to provide any other type of protection.

The premiums on said insurance policies shall be paid by Lessee when due and official receipts evidencing the payment thereof on the due date shall be delivered to the Lessor by the Lessee not later than five (5) days after the due date thereof.

In case of failure of the Lessee to pay such premiums when due, the Lessor may do so in its stead and charge to Lessee whatever sums it shall have paid therefor, and such sums will be paid by Lessee together with the rental corresponding to the month next following the one in which such payments were made by Lessor. The option given to Lessor to pay the insurance premiums upon failure to do so by the Lessee, does not release the Lessee of its obligation to pay for said premiums, and does not affect the right of the Lessor to rescind this lease for the default of the Lessee in the payment of said premiums when due. The parties agree that Lessee shall not occupy nor the Lessor be required to allow the Lessee to occupy, the demised premises unless and until Lessee shall have delivered to Lessor Certified Copies of the aforesaid insurance policies or certificates evidencing such insurance policies, together with the receipt of the corresponding premium payments. Such policies shall contain a clause providing that the insurer shall deliver to Lessor copy of all notices sent by the insurer to Lessee at the same time that the original notice is delivered to Lessee.

10. MINIMUM WAGES: Lessee agrees to pay for all work performed by it at the leased premises the minimum wages prescribed for such operations either by Federal or Insular Laws and abide by and comply with all laws and regulations applicable to the operations of the Lessee in the leased premises and to laborers and their relations to the Lessee; provided, however, that the Lessee shall not be in default hereof whenever it shall in good faith contest by appropriate proceedings the matter or issue which otherwise would constitute cause or basis for such default.

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11. PUBLIC SERVICE LIABILITY: The Lessee shall pay for all water and electricity consumed at the demised premises at the regularly established rates, therefore, during the life of this lease, or any extension thereof, as well as any other public service thereon. Any and all taxes and assessments (except beneficial assessments) assessed against the demised premises shall be paid by the Lessee; provided, however, that the Lessee shall not be in default hereof whenever it shall in good faith contest by appropriate proceedings the matter or issue which otherwise would constitute cause or basis for such default.

12. CAPITALIZATION OF LESSEE: Lessee agrees to have within 4 months from the effective date of this lease and shall maintain throughout its term or any extension thereof, a total investment of $250,000.00, of which not less than $100,000.00 will be in the form of paid-in capital stock, and the balance will be represented by loans, the terms of which shall in no way affect the terms and conditions of this lease, or by earned surplus.

13. TRANSFER OF LEASE: Lessee shall not assign, transfer or otherwise convey this lease or sublet or dispose of the demised premises, except to the parent corporation or a subsidiary or other affiliate of the Lessee, without the prior written consent of the Lessor, (which consent shall not be unreasonably withheld) and in no event for purposes other than the operation of an industrial plant; provided, however, that in no case shall the Lessee be relieved of its liabilities and obligations hereunder, unless agreed to in writing by Lessor.

14. OPTION TO PURCHASE: Lessee shall have the option to purchase the demised premises at any time during the first twenty (20) years of the term of this lease or extensions. The purchase price shall be the initial cost of the building less depreciation at the rate of 2-1/2% per annum from the date of commencement of payment of rental for the building, plus $42,000.00 for land therein being included approximately three "cuerdas" of improved land and approximately eight "cuerdas" of unimproved land.

For the purposes of this provision the initial cost shall be deemed to include: (1) the aggregate amount required to be paid by the Lessor to the

Contractor under the construction contract including amounts paid for construction resulting from changes in the specifications; (2) a fee to Lessor for architectural design and supervision equal to seven percent (7%) of item (1) preceding; (3) the aggregate cost of insurance carried by Lessor with respect to the land-site and building from letting of contract to acceptance of building; and (4) interest at the rate of five percent (5%) per annum on the amounts expended by Lessor for items (1) and (3) hereinabove from the date of expenditure to the first day of the month on which rental begins to accrue. Such initial cost shall be certified by the Auditor of the Lessor and shall be subject to verification by Lessee. Upon completion of the building Lessor shall provide Lessee with a certified statement of the actual construction costs of said building, which Lessee shall have the right to audit. Building costs shall not include land, grading, water and sewer lines, seeding and landscaping, marginal streets (if any) or any other items which properly represent land improvement costs.

15. STOPPAGE OF OPERATIONS: It is understood by the parties hereto that this lease is made by the Lessor in furtherance of the industrialization plans of the Commonwealth of Puerto Rico, and it is accordingly understood that the Lessee will use all reasonable efforts while this lease is in effect to maintain in operation upon the demised premises an industrial plant but nothing contained in this paragraph shall be deemed to require the Lessee to operate such plant otherwise than in accordance with sound principles of business management, or (without limiting the generality of the foregoing) to prevent the Lessee from curtailing production in such plant or from shutting down such plant, or any part, thereof, whenever and as often as the Lessee may, in the exercise of sound business judgement, deem such action advisable. No curtailment of operations or shut-down of the plant of the Lessee in accordance with the provisions of this paragraph shall constitute a default under paragraph 18 of this contract

which will enable the Lessor to terminate it, unless such plant shall have been shut-down for a period of six (6) consecutive months. A shut-down on account of unforeseeable event or events which although foreseeable could not be prevented, or other causes beyond Lessee's control shall not constitute a breach of this agreement. Nothing in this paragraph contained shall relieve the Lessee from the payment of rental during the period of any shut-downs or curtailments of operations.

16. PAYMENT OF SUMS DUE: Any sum of money which the Lessor may pay or disburse on account of the failure of the Lessee to comply with any of the terms or covenants of this lease, and all other expenses incidental thereto, shall be charged to Lessee and Lessee will immediately pay the same to the Lessor.

17. LIABILITY FOR DAMAGES TO PREMISES: All damages or injuries caused at the demised premises by reason of the installation or removal by Lessee of machinery, equipment, furniture or fixtures of any kind, shall be repaired by Lessee at its exclusive expense upon the termination of this lease whether by expiration of the term thereof or otherwise. The parties hereto agree that none of the improvements, machinery, equipment or materials of any kind brought into the demised premises shall become attached to the land but that the Lessee shall have the right to remove the same provided it shall have been removed from the premises at or before the expiration or earlier termination not due to default of Lessee of this lease and further provided that the Lessee shall have repaired any damage caused by such removal prior to such expiration.

18. EVENTS OF DEFAULT: The following shall be considered event of default hereunder:

A. Non-payment by Lessee of any installment of the stipulated rent thirty (30) days after notice in writing, that such rent is due and unpaid, has been given by Lessor to Lessee.

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B. Non-compliance by Lessee with any of the terms or covenants of this lease with respect to insurance of the leased premises as provided herein and such non-compliance shall remain uncorrected for ten (10) days after notice in writing of such non-compliance has been given to Lessee by Lessor.

C. Non-compliance by Lessee with any other of the terms or covenants of this lease not otherwise provided for herein after notice in writing of such non-compliance has been given to Lessee by Lessor and the same remains uncorrected thirty (30) days thereafter.

D. Vacation, desertion or abandonment of the demised premises.

E. The levy of an attachment or other order to secure the effectiveness of judgment, or the levy of execution, upon the demised premises, or upon the lease, in any proceeding pending against the Lessee in any court of competent jurisdiction, unless such attachment, order or execution be discharged by bond or otherwise not later than twenty (20) days counted from the date upon which Lessee shall have received notice thereof.

F. The mere filing by Lessee of a voluntary bankruptcy proceeding.

G. The filing by any creditor against the Lessee, in any court of competent jurisdiction, of any involuntary proceeding permitted under any bankruptcy statute then in force, unless the same shall have been dismissed or set aside within sixty (60) days after the date of filing thereof;

H. The issuing of an order placing the demised premises under the control or management of a trustee, liquidator or receiver, except that Lessee shall have thirty (30) days in which to vacate or annul said order.

Upon the happening of any such event of default, and once the period of grace established in each case for the correction thereof has elapsed without such default having been corrected by Lessee to the satisfaction of the Lessor,

this lease shall be automatically terminated as of the date on which the act of default occurred irrespective of the fact that the full lease term has not run in its entirety, and the Lessor may immediately re-enter the demised premises and recover possession thereon without legal proceeding or through any legal proceeding available to it. The Lessee, however, shall remain liable to the Lessor for all its obligations previously due hereunder, as well as for any reasonable damage suffered by the Lessor on account of loss of rental arising from such early termination, as may be reduced by the Rule of Minimumization of Damages.

All remedies given or reserved to Lessor hereunder shall be cumulative and non-exclusive of any other remedies in law or in equity which the Lessor might make use of in the exercise or in defense of its rights hereunder.

19. MATURITY OF PENDING OBLIGATION: It is hereby covenanted and agreed that in case the Lessor should declare the Lessee in default and the Lessee actually is in default in the performance of any of the terms or covenants of this lease, all other obligations of the Lessee to the Lessor of any nature whatsoever, whether or not arising out of this lease, will, at the option of the Lessor, immediately become due and payable, anything contained in any document or instrument evidencing such obligation to the contrary notwithstanding, and in case such obligation requires the performance or doing of any act or thing other than the payment of money, the performance of such obligation may be required immediately by the Lessor.

20. RECORDING: Either party hereto may elect to record this lease in the Registry of Property. In such event, both parties agree to execute any necessary public deeds or contracts for said purpose. The cost and fees of the

KGP

execution, copies, recording and cancellation of such deeds shall be borne by the party electing to record.

21. LANDSCAPING OF PREMISES: The Lessee agrees to maintain landscaping, initially provided by Lessor as indicated in paragraph 1 B (15) hereof, at an expense to Lessor not to exceed $2,000.0 of such portions of the leased premises which are not physically dedicated to industrial use. Such landscaping shall be understood to include, at least, the planting of appropriate lawns, shrubbery, and trees, so as to beautify the surroundings of the factory premises and make the property attractive to the employee and the public in general, and an asset to the community. For these purposes it is suggested that the Lessee may obtain helpful information from the Experimental Station which is nearest to the factory premises hereunder leased.

22. NOTICES: All notices herein required or permitted to be given to or served upon, either party, shall be in writing. Any such notice shall be sufficiently given or served if served personally or by registered mail on an officer of such party at its address set forth below, or at such other address as it shall designate in a notice to the other party:

IN CASE OF NOTICE TO LESSOR:

Puerto Rico Industrial Development Company
P. O. Box 2672 - San Juan, Puerto Rico

IN CASE OF NOTICE TO LESSEE:

General Electric Wiring Devices, Inc.
Juana Diaz, Puerto Rico

This lease is exclusively between Lessor and Lessee and their successors and assigns and is not to be construed directly or indirectly for the benefit of any third person or party, but this provision shall not be interpreted to prevent Lessor from including this lease in any financial operations it may hereafter decide to undertake.

23. WAIVER: No waiver of any condition or covenant of this lease by either party shall be deemed to imply or constitute a further waiver by such party of the same or any other condition or covenant.

24. RESIDENT AGENT: In order that the Lessor may obtain judicial enforcement of all obligations undertaken in this contract by the Lessee, the Lessee will appoint and maintain at all times a bona-fide resident of San Juan, Puerto Rico to act as its representative to receive service of summons in its behalf, and notice thereof by registered mail, giving the name and address of such agent or representative, shall be given in writing to the Lessor by the Lessee not later than ten (10) days from the effective date of this lease. In the event that the Lessee should fail to give such notice and/or to appoint such agent, or that the agent designated by the Lessee cannot be located in Puerto Rico or shall be no longer authorized to act as such, the Lessee agrees that service of summons may be made by service on the Secretary of State of the Commonwealth of Puerto Rico or any of his assistants. The Lessee further agrees that service of summons by or on behalf of the Lessor on the Secretary of the State of Puerto Rico, or any of his assistants, when made as stipulated herein, shall be valid to submit the Lessee to the jurisdiction of the Courts of Justice of the Commonwealth of Puerto Rico and in this City of San Juan.

25. ARBITRATION: Any dispute or controversy which may arise between the parties hereto in the operation or other performance of the terms or covenants of this contract specified in paragraph eighteen 18 C, hereof may be submitted by either party hereto to the consideration of three arbitrators, one appointed by each of the contracting parties and the third one designated by the two arbitrators appointed by the parties; provided, however, that if

KGP

the arbitrators appointed by the parties cannot agree on a third, then, such arbitrator shall be designated by the Senior-Judge of the Superior Court of San Juan. The parties in dispute shall submit their respective claims to these three arbitrators, whose decision by majority vote shall be final and binding upon the parties. The fees, cost and expenses of the arbitrators shall be borne by the party against whom the arbitration award is rendered, or partially by each party to the extent and in the manner to be determined by the arbitrators in the award, in the event the award is for and against each of the contesting parties. In no case shall performance under this contract be interrupted pending arbitration, except where such interruption is mutually agreed to in writing by the parties.

26. TAX EXEMPTION: This lease is conditioned upon the Lessee obtaining grants of tax exemption relating to the production to be conducted in the building, from the Commonwealth of Puerto Rico in accordance with the terms of the Industrial Incentive Act of 1954, which is Act.No. 6 of the Legislature of Puerto Rico approved December 15, 1953, and for which purpose Lessee has filed or will file appropriate applications which it undertakes to expedite as diligently as possible within its means; therefore, the Lessee reserves the right to cancel and terminate this lease in the event such exemption is denied or is not granted on or before the effective date of this lease. In event of such termination neither party shall be liable to the other party for any loss, cost, damage or expense except such payments as shall be due either party up to the date of termination. Lessee shall give Lessor written notice of its determination to terminate said lease. Lessee at its option shall have the further right to terminate this lease if the tax exemption grants are cancelled or annulled during the original term of the grant for any reason other than acts or omissions of Lessee which shall have caused such cancellation or annulment to be effected.

27. ENVIRONMENT: Lessor agrees not to promote or assist in the location within 1/2 mile of the demised premises any industries which emanate smoke, dust, noxious fumes or odors, and that it will use its best efforts to prevent the location of such industries by others in said area.

IN WITNESS WHEREOF, the parties hereto execute this contract at San Juan, Puerto Rico, this 20th day of OCTOBER A. D. 1956.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

ATTEST:

By: Carlos M. Fernández

GENERAL ELECTRIC WIRING DEVICES, INC.

ATTEST:

By: Kenneth E. Sutton

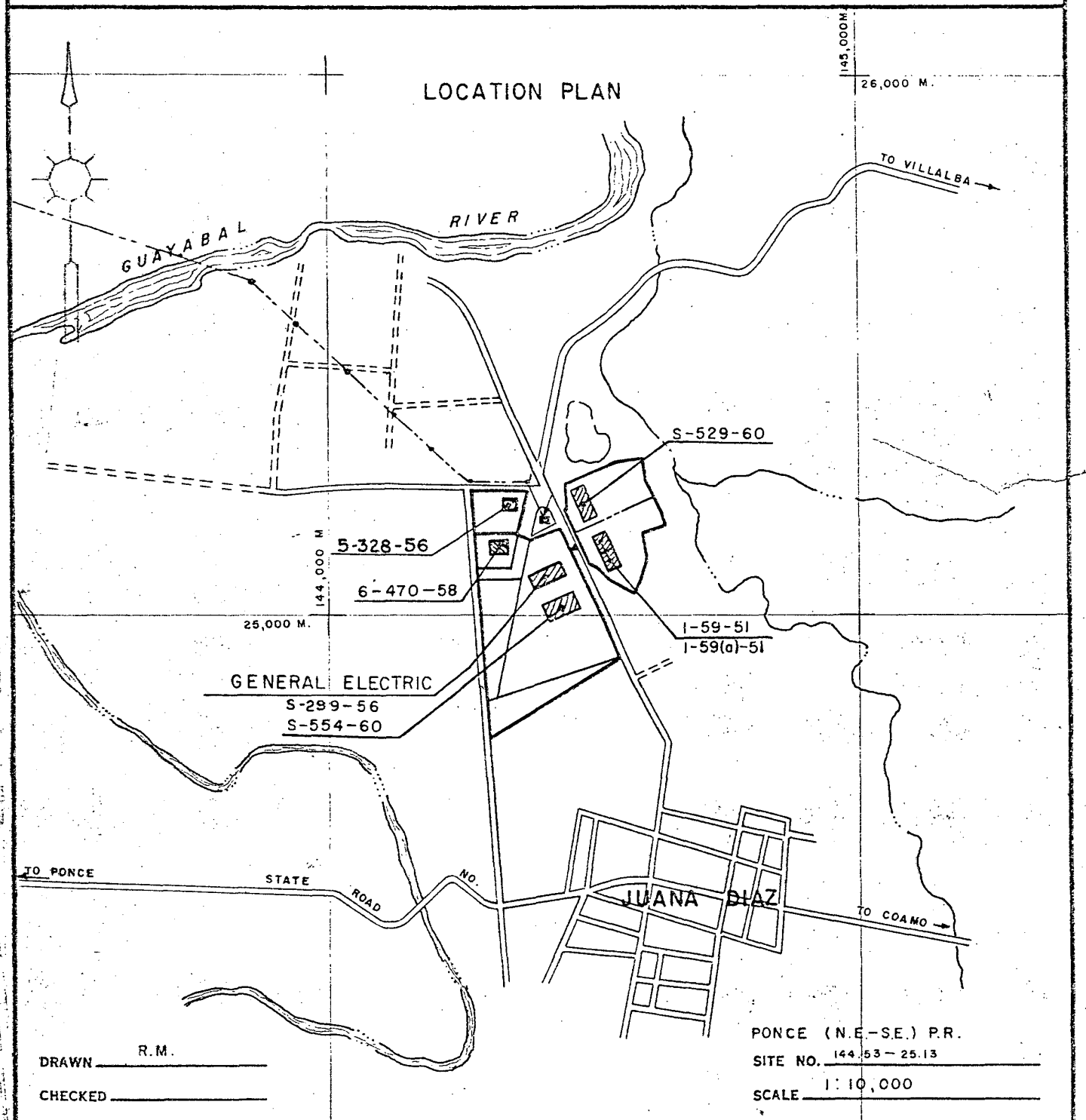
PRIDCO
FORM NO. 58

INDUSTRIAL SITE

MUN. JUANA DIAZ
BARRIO URBAN ZONE

DATE 30 JUNE 55.

NUMBER JD-1



PUERTO RICO INDUSTRIAL DEVELOPMENT CO. — PLANNING DIVISION — SAN JUAN, P.R.

K+E TORENE 177 640

GE_CARIBE001219

JUANA DIAZ BUILDINGS (2) AND LAND

ESTIMATED PURCHACE PRICE (as of 1983)

	Bldg 1 (S-299-56)	Bldg 2 (S-554-60)	LAND	TOTAL
COST TO BUILD	$194 565.67	$202 979.82		
- DEPREC (2.5% x 26 yrs)	-126 467.69	-116 713.40 (2.5% x 23 yrs.)		
DEPREC. VALUE (Purchase Price)	68 097.98	86266.42	42 000.00	$196 364.40

T M Hennessy
2/24/83

NO Financial
P 106

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

G.P.O. BOX 2350 SAN JUAN, PUERTO RICO 00936

CABLE ADDRESS
"INDEVELCO"

TELEX — 385238

October 10, 1968

Bldg 2 Cost
(see para. 14 in Contract)

General Electric Wiring Devices Inc.
P.O. Box 274
Juana Díaz, Puerto Rico - 00665

Attention: Mr. L. B. Towne,
Assistant Treasurer

Gentlemen:

In reply to your request of September 11th, we are pleased to include copy of certified statement showing the initial cost of building S-554-60 which you occupy at Juana Díaz. The initial cost has been determined in accordance with the provisions outlined in paragraph 14 of the lease with option to purchase contract dated October 20, 1956.

Very truly yours,

Enrique Asencio Seda

ENRIQUE ASENCIO SEDA
Controller

Lease
Pls File in Folder # I
4/8/8

GENERAL ELECTRIC WIRING DEVICES

PROJECT S-554-60

Initial Cost of Building as Defined in Contract Dated
October 20, 1966

(1) Aggregate amount paid by the lessor to the contractor for the construction of the building	$ 186,756.87
(2) Fee equivalent to seven percent (7%) of item (1) preceeding	13,072.98
(3) Aggregate cost of insurance	-
(4) Interest at the rate of five percent (5%) per annun on the amounts expended for items (1) and (3)	3,149.97
Total Initial Cost - Per Contract	$ 202,979.82

Prepared by: Roberto Rivera Trujillo

Certified by: Rafael Mangual Budet
Chief, Accounting Department

Approved by: Enrique Asencio Seda
Controller

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

SAN JUAN, PUERTO RICO

CABLE ADDRESS
"INDEVELCO"

May 24, 1960

POSTAL ADDRESS
BOX 2672

Bldg 1 Cost
(see para 14 in Contract)

General Electric Wiring Devices, Inc.
P.O. Box 274
Juana Díaz, Puerto Rico

Attention: Mr. B.F. Hamel
Assistant Treasurer

Gentlemen:

I reply to your recent request, we are pleased to include copy of certified statement showing the initial cost of the building you occupy at Juana Díaz. This initial cost has been determined in accordance with the provisions outlined in paragraph 14 of the lease with option to purchase contract dated October 20, 1956.

Very truly yours,

Ademar

ADEMAR TORO
Controller

GENERAL ELECTRIC WIRING DEVICES

Project S-299-56

Initial Cost of Building as Defined in Contract Dated
October 20, 1956

(1)	Aggregate amount required to be paid by the lessor to the contractor for the construction of the building	$179,327.02
(2)	Fee equivalent to seven percent (7%) of item (1) preceeding	12,552.89
(3)	The aggregate cost of insurance	209.50
(4)	Interest at the rate of five percent (5%) per annum on the amounts expended for items (1) and (3)	2,476.26
	Total Initial Cost - Per Contract	$194,565.67

PREPARED BY Henry Fernández 5/16/60

CERTIFIED BY _____
Chief, Accounting Department

APPROVED BY _____
Controller

OK Auditor 5-16-60

File
PRIDCO

November 5, 1970

File 5 Th Grant
Exemption Folder
(Amendment)

Mr. Mariano L.Mier
Acting Development Vice-President
Puerto Rico Industrial Development Co.
GPO Box 2350
San Juan, Puerto Rico 00936

Dear Mr. Mier:

Our future business plans call for continued expansion by placing additional manufacturing operations in our factory at Juana Diaz. We want your approval to place a covered concrete pad in the location shown on the attached sketch. The pad will be at the floor level of the building (about 3-1/2 ft. above ground) and will not be attached to the building. It will support several 2' x 3' tanks used for simple immersion plating and will be used for storage of supplies. A lean-to roof covering the pad will be supported by the building at one side and by columns from the pad at the other side.

Your permission to construct this facility is required as our management makes its feasibility study. You will be interested to know that we are also contacting the water and sewer authorities to assure compliance to their strict requirements of waster water treatment.

Your prompt attention will be appreciated.

Very truly yours,

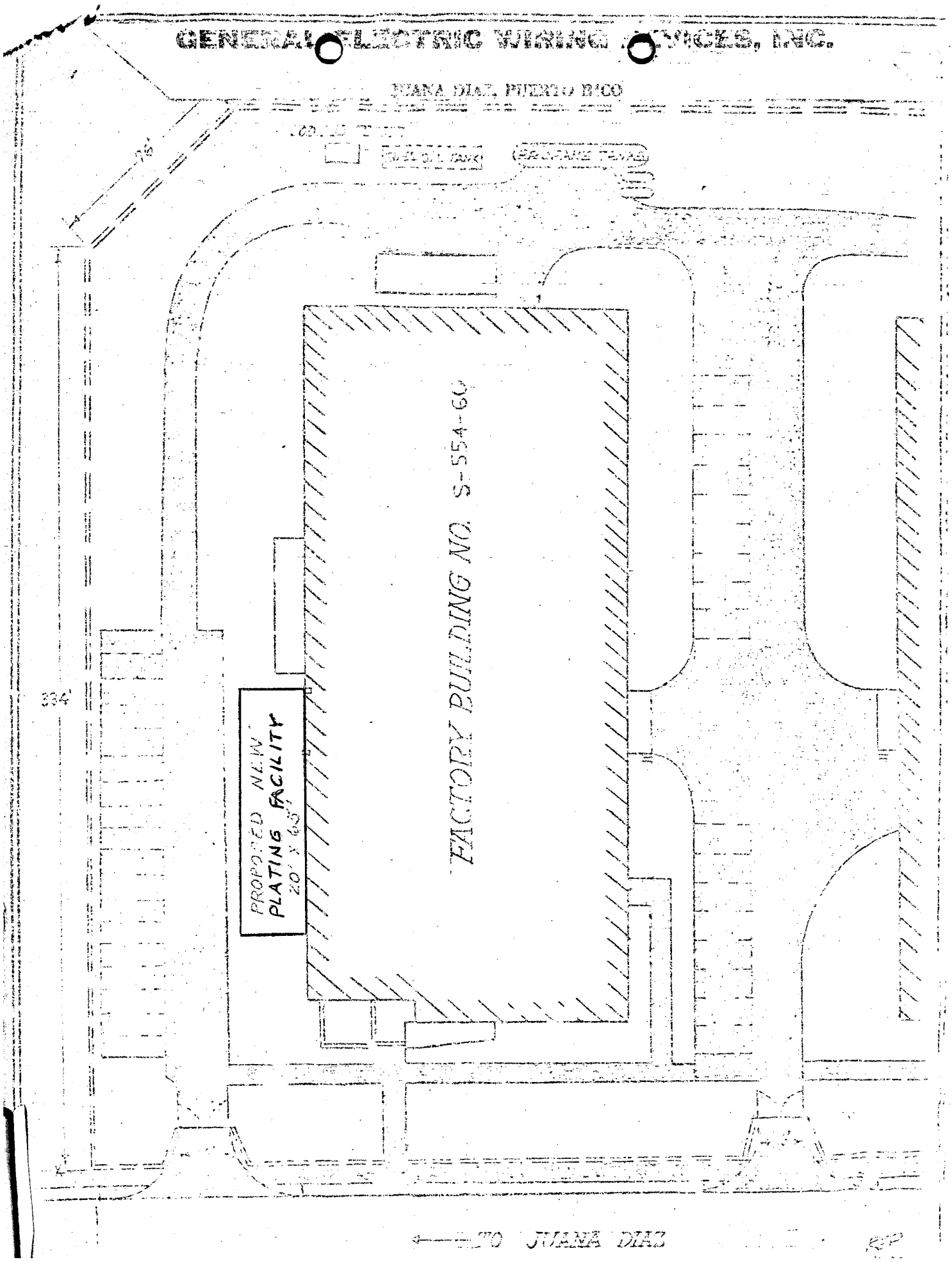
G.E.WIRING DEVICES, INC.

REP

R.E.Peterson
Manager- Mfg. Engineering

REP/mb

cc: T.E.Mosley-Pres.GEWD,Inc.


GENERAL ELECTRIC WIRING DEVICES, INC.
JUANA DIAZ, PUERTO RICO
PROPANE TANKS
FACTORY BUILDING NO. S-554-60
PROPOSED NEW
PLATING FACILITY
20' X 63'
334'
TO JUANA DIAZ

6/26/78

Transfer from
GEWD, Inc to G.E.Co.
(liquidated)

October 19, 1978

Ignazio Rivera
Counsel-PR Affairs
IGE-PR, Río Piedras

Dear Ignacio:

Included is the lease reassignment as requested.

Regards,

JBP / Helen

J.B. Poland
Plant Mangger

cc. Lease folder
liguidation folder

6 6

ASSIGNMENT

KNOWN ALL MEN BY THESE PRESENTS

I, John B. Poland, President of General Electric Wiring Devices, Inc., in consideration of the sum of ONE DOLLAR ($1.00) to me in hand paid, receipt whereof is hereby acknowledged, do hereby assign, transfer and set over to General Electric Company, Wiring Device Business Department, Juana Diaz Plant, P. O. Box "D", Juana Diaz, P.R. 00665, a corporation organized under the laws of the State of New York, duly authorized to conduct business in this Commonwealth, its executors and assigns, all my rights, title and interest in and to a certain Lease Contract entered into on October 20, 1956 by and between the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY and the undersigned in connection with the Lease Contract, Project S-554-60, in favor of General Electric Wiring Devices, Inc.

IN WITNESS WHEREOF, I hereunto set my hand at San Juan, Puerto Rico, this 26th day of June 1978.

JOHN B. POLAND

ACCEPTANCE

In consideration of the above I, John B. Poland, Plant Manager, General Electric Company, Wiring Device Business Department, Juana Diaz Plant, P.O. Box "D", Juana Diaz, P. R. 00665, acting on behalf of said company, hereby assumes and agrees to perform and keep all promises, covenants, conditions and agreements of the said Lease Contract, Project S-554-60, contract to be made, kept and performed by General Electric Company, Wiring Device Business Department, Juana Diaz Plant.

IN WITNESS WHEREOF, we hereunto set our hands and seal of the Corporation at San Juan, Puerto Rico, this 26th day of June 1978.

By: JOHN B. POLAND

COMMONWEALTH OF PUERTO RICO
PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY
G.P.O. BOX 2350 SAN JUAN, PUERTO RICO 00936
CABLE ADDRESS
"INDEVELCO"

3/6/74
Amendment
(Add back the undeveloped land into the Contract)

March 26 1974

General Electric Wiring Devices, Inc.
P.O. Box D
Juana Díaz, Puerto Rico 00605

Dear Sirs:

In compliance with instructions from Mr.Carlos A. Vallecillo, General Counsel, I enclose signed copy of the Supplement and Amendment to Lease With Option to Purchase Premises executed on March 6th 1974.

Very truly yours,

Iris Martin
Administrative Officer
Legal Department

Encl.

GENERAL ELECTRIC WIRING DEVICES, INC.

JUANA DIAZ, PUERTO RICO

P. O. BOX: D, JUANA DIAZ, P. R.
TELEPHONE - JUANA DIAZ 837-5000

CABLE ADDRESS: GEWIDE - PONCE, P. R.

R E S O L V E D: The Board of Directors of General Electric Wiring Devices, Inc. (The two undersigned members constituting a quorum) -

DO HEREBY AUTHORIZE T.E.Mosley to execute "Supplement and Amendment to Lease with Option to Purchase Premises" modifying Paragraph No. 2 of 1973 Supplement to provide for the inclusion of undeveloped land set forth in Exhibit "B" in the contract at an annual cost of $1200.00 per annum and providing for a lump sum payment of $300.40 of rental on this parcel for the period of exclusion.

ATTEST:

J.D.Kaff -Asst. Secretary — 3/6/74 Date

D.H.Rohrer-Chairman of the Board — 2/26/74 Date

P.V.Bachand-Treasurer — 2/25/74 Date

CAV:mjz

SUPPLEMENT AND AMENDMENT TO LEASE WITH OPTION
TO PURCHASE PREMISES

NOW COME the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC WIRING DEVICES, INC (hereinafter referred to as the "Lessee"), herein respectively represented by their duly authorized officers and agree to supplement and amend a certain Lease with Option to Purchase Premises entered into by them on October 20, 1956, supplemented and amended on July 7, 1958, July 13, 1959, February 26, 1962, August 17, 1971 and July 23, 1973 (hereinafter collectively referred to as the "Contract" and the Supplement and Amendment dated July 23, 1973 as the "1973 Supplement") in the following respects:

ONE: Paragraph TWO of the 1973 Supplement is hereby modified to read as follows:

> 'TWO: Anything contained in the Contract to the contrary notwithstanding: (i) the description of the landsite covered by the Contract is set forth in Exhibit A; (ii) the description of the undeveloped land covered by the Contract is set forth in Exhibit B.'

TWO; As a condition upon which Lessor's undertaking hereunder is predicated, Lessee agrees to pay to Lessor, in a lump sum and simultaneously with the execution hereof, the sum of $ 300.40 ~~$1,802.40~~ -----, which amount represents rental payments on the undeveloped land for the period comprised from March 1, 1972 up to and including February 28, 1974; it being agreed and understood that commencing on March 1, 1974 and during the remainder of the term of the lease under the Contract, rental payments upon such undeveloped land shall be at the rate of $1,200.00 per annum payable as provided in the Contract.

J.E.M.
3/8/74
$300.40
HC 1480
Free

THREE: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with the terms hereof and shall remain in full force and effect as herein supplemented and amended.

J.E.M.

IN WITNESS WHEREOF, the parties hereto execute this Contract at San Juan, Puerto Rico, this 6th day of March, 1974.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____

GENERAL ELECTRIC WIRING DEVICES, INC.

BY: J. E. Mosley, Jr.

GE_CARIBE001232

7/23/73
Amendment
(exclude undeveloped land)

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

G.P.O. BOX 2350 SAN JUAN, PUERTO RICO 00936

CABLE ADDRESS
"INDEVELCO"

September 12, 1973

Maria
File - Contract
Purchase Lease
Follow

Mr. J. D. Kaff
General Electric Wiring Devices, Inc.
P.O. Box D
Juana Díaz, Puerto Rico 00605

Dear Mr. Kaff:

In compliance with instructions from Mr. Carlos A. Vallecillo, General Counsel, I enclose signed copy of the Supplement and Amendment to Lease with Option to Purchase Premises executed on July 23, 1973.

Very truly yours,

Iris Martin
Administrative Officer
Legal Department

Encl.

6 6

GENERAL ELECTRIC WIRING DEVICES, INC.

JUANA DIAZ, PUERTO RICO

P. O. BOX: D, JUANA DIAZ, P. R.
TELEPHONE - JUANA DIAZ 837-5000

CABLE ADDRESS: GEWIDE - PONCE, P. R.

R E S O L V E D: The Board of Directors of General Electric Wiring Devices, Inc. (the two undersigned members constituting a quorum) -

D O H E R E B Y A U T H O R I Z E T. E. Mosley to execute "Supplement and Amendment to Lease with Option to Purchase Premises" amending the property line of said property to exclude Lot No. 4F on Drawing No.115-416D of 3/3/71 (Project No.L-75-56) and fix the southern boundary of this property at a straight line intersecting coordinate points 8B and 127B on said drawing.

A T T E S T:

Date: 7/21/73 Date 7/16/73

J.D.Kaff-Assistant Secretary D.H. Rohrer-Chairman of the Board

Date: 7/10/73

R.L.Yale - Treasurer

CAV:mod

6 6

SUPPLEMENT AND AMENDMENT TO LEASE WITH OPTION TO PURCHASE PREMISES

NOW COME the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC WIRING DEVICES, INC. (hereinafter referred to as the "Lessee"), herein respectively represented by their duly authorized officers and agree to supplement and amend a certain Lease with Option to Purchase Premises entered into by them on October 20, 1956, supplemented and amended on July 7, 1958, July 13, 1959, February 26, 1962 and August 17, 1971 (hereinafter collectively referred to as the "Contract") in the following respects:

ONE: Upon request by Lessor, the landsite covered by the Contract, 10.3706 cuerdas has been divided into two lots, one of 6.27031 cuerdas and the other of 3.9456 cuerdas, the descriptions of which are set forth in Exhibits A and B, respectively, attached hereto and made a part hereof.

?

6.27031
3.94560
10.21591

T/M Hennessy
3/2/83

TWO: Anything contained in the Contract to the contrary notwithstanding, as of March 1, 1972: (i) the description of the landsite covered by the Contract is set forth in Exhibit A; (ii) the landsite described in Exhibit B is removed from the provisions of the Contract; and (iii) rental payments covering the landsite described in Exhibit B shall cease.

in the amount of $921.16 per year

THREE: For ready reference drawing number 115-416-D dated March 3, 1971 is hereby attached and marked Exhibit C.

FOUR: Lessor agrees that it will, at its own cost and expense, stake the boundaries of the landsite covered by the Contract and, accordingly, relocate the fence.

FIVE: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with

INITIAL HERE

J.E.M. Jr.

the terms hereof and shall remain in full force and effect as herein supplemented and amended.

IN WITNESS WHEREOF, the parties hereto execute this Contract at San Juan, Puerto Rico, this 23 day of July 1973.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____

GENERAL ELECTRIC WIRING DEVICES, INC.

BY: J. E. Morley, Jr.

GE_CARIBE001236

6 6

EXHIBIT "A"

DESCRIPTION OF LANDSITE:

Parcel of land, lot number 4G of the Juana Díaz PRIDCO Industrial Area, Project No. L-75-56, at the municipality of Juana Díaz pertaining to the General Electric Co.

It bounds by the North with Puerto Rico Water Resources lot across an irrigation ditch; it bounds by the South, with lot number 4F of the same industrial area; it bounds by the East, with Old State Road No. 149 at Km. 67.1 and Km. 67.2; and by the West with lot number 3E of the same PRIDCO Industrial Area.

It has an area of two hundred sixty five thousand with two hundred seventy three point thirty four square feet (265,273.34 sq. ft.); equivalent to twenty four thousand and six hundred forty four point seventy nine square meters (24,644.79 sq. ft.); equivalent to six cuerdas point twenty seven thousand and thirty one (6.27031 cuerdas).

Liens and Encumbrances: None.

INITIAL HERE

J.E.R.Jr.

6 6

SCHEDULE "B"

DESCRIPTION OF LANDSITE:

Parcel of land, Lot No. 4F of the Juana Díaz PRIDCO Industrial Area, Project No. L-75-56, at the municipality of Juana Díaz pertaining to the General Electric Company.

It bounds by the North with Lot No. 4G of the Juana Díaz PRIDCO Industrial Area; it bounds by the South with Juana Díaz Housing Cooperative Lot No. 5; it bounds by the East with the Old State Road No. 149 at Km. 67.3; and bounds by the West with Lot No. 3E of Juana Díaz PRIDCO Industrial Area.

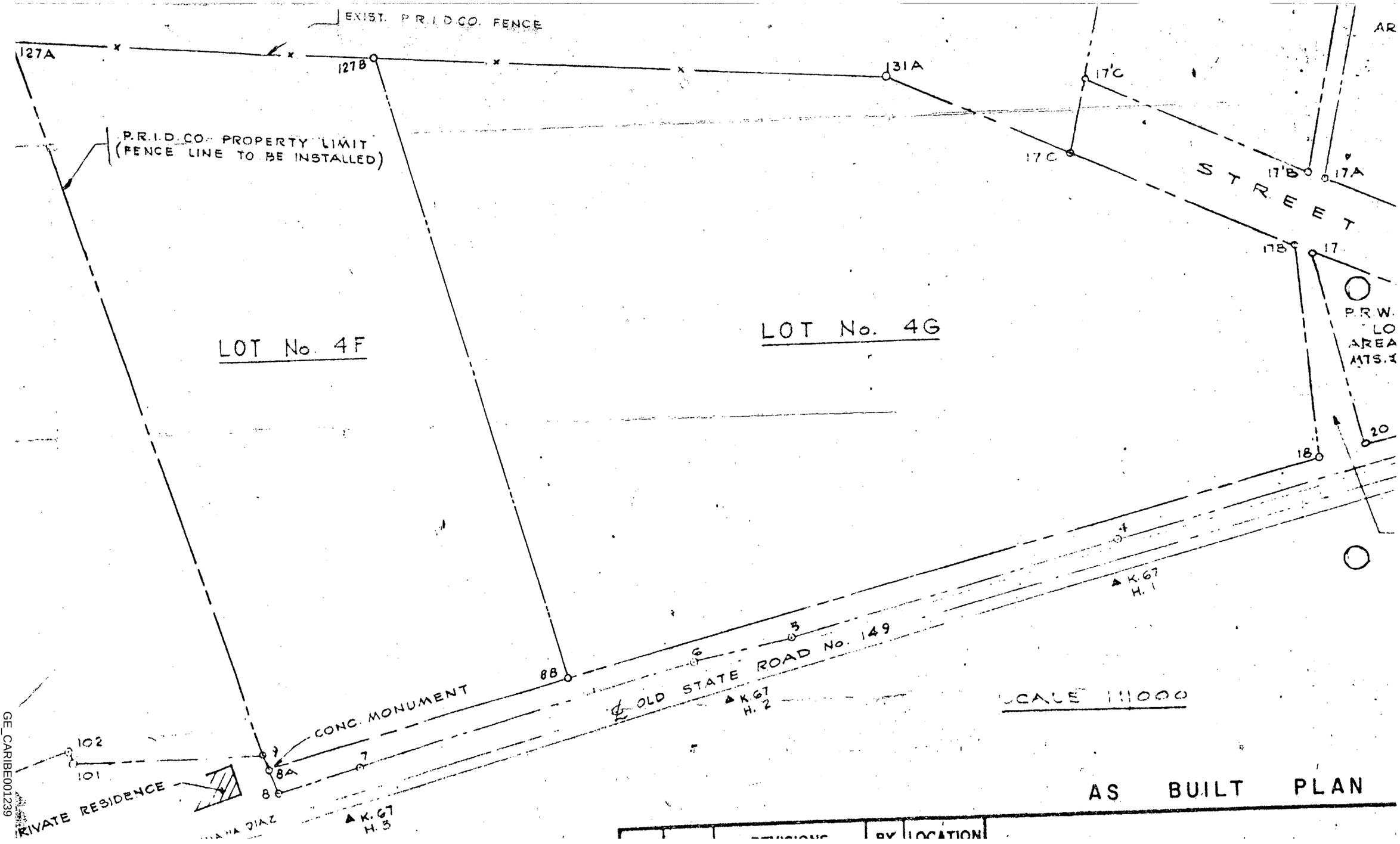
It has an area of one hundred sixty six thousand nine hundred twenty two point thirty eight square feet (166,922.38); equivalent to fifteen thousand five hundred and seven point sixty five square meters (15,507.65 sq. meters); equivalent to three cuerdas point nine thousand four hundred and fifty six of another (3,9456 cuerdas).

Liens and encumbrances: None

INITIAL HERE

JEM Jr.

GE_CARIBE001238



GE_CARIBE001239

LOT No. 4F

POINT	COORDINATES X (FT.)	COORDINATES Y (FT.)	CRSE.	BEARING	DISTANCE FT.	DISTANCE MTS.	REMARKS
127A	2,689.85	1,659.01					CHAIN LINK FENCE PIPE
9	3,290.36	1,877.78	127A - 9	N 69° 58' 58" E	639.12		CONC. FENCE POST
8A	3,307.57	1,885.36	9 - 8A	N 66° 13' 45" E	18.81		" " "
8B	3,230.80	2,134.12	8A - 8B	N 17° 09' 03" W	260.34		CHAIN LINK FENCE PIPE
127B	2,705.03	1,971.85	8B - 127B	S 72° 50' 52" W	550.24		CONC. FENCE POST
127A	2,689.85	1,659.01	127B - 127A	S 02° 46' 41" W	313.21		CHAIN LINK FENCE PIPE

AREA = 166,923.190 SQ. FT. ⇒ 15,507.730 SQ. MTS. ⇒ 3.94559 CDAS.

LOT No. 4G

127B	2,705.03	1,971.85					CONC. FENCE POST
131A	2,724.93	2,381.95	127B - 131A	N 02° 46' 41" E	410.53		" " "
17C	2,788.51	2,536.01	131A - 17C	N 22° 25' 32" E	166.66		" " "
17B	2,864.23	2,719.49	17C - 17B	N 22° 25' 31" E	198.49		CHAIN LINK FENCE PIPE
18	3,043.37	2,741.37	17B - 18	N 83° 02' 11" E	180.47		" " " "
8B	3,230.80	2,134.12	18 - 8B	S 17° 09' 11" E	635.52		" " " "
127B	2,705.03	1,971.85	8B - 127B	S 72° 50' 52" W	550.24		CONC. FENCE POST

AREA = 265,273.340 SQ. FT. ⇒ 24,644.79 SQ. MTS. ⇒ 6.27031 CUERDAS

LOT No. 3E

126	2,420.65	1,560.93					TO BE ESTABLISHED
134	2,478.24	2,593.79	126 - 134	N 2° 40' 52" E	1,034.41	315.31	CONC. FENCE POST
17C	2,788.51	2,536.01	134 - 17C	E 79° 27' 03" E	315.60	96.195	" " "
131A	2,724.93	2,381.95	17C - 131A	S 22° 25' 30" W	166.66	50.80	" " "
127A	2,689.85	1,659.01	131A - 127A	S 2° 03' 28" W	734.97	224.02	TO BE ESTABLISHED
126	2,420.65	1,560.93	127A - 126	S 69° 58' 57" W	286.58	87.33	TO BE ESTABLISHED

AREA = 23,674.095 SQ. MTS. ⇒ 6.02334 CUERDAS

NOTE:

- LOT No. 3E, 4F & 4G WERE FORMERLY LOTS No. 3 & 4.
- LOTS No. 4F & 4G WERE FORMERLY LOTS 4E.
- COORDINATES ARE EXPRESSED IN FEET.

INITIAL HERE

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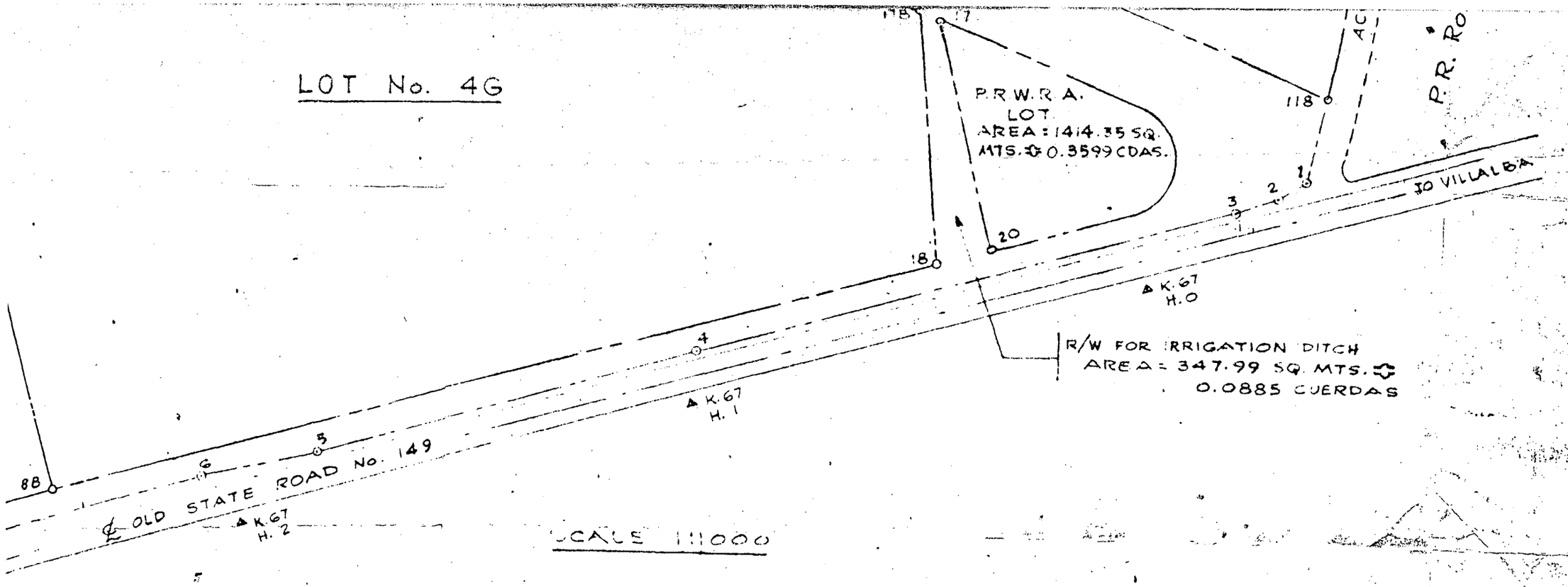


AS BUILT PLAN

PROJECT No. L-75-56

NO.	DATE	REVISIONS	BY	LOCATION

JUANA DIAZ INDUSTRIAL AREA

JUANA DIAZ, P.R.

COMMONWEALTH OF PUERTO RICO

P. R. INDUSTRIAL DEVELOPMENT CO.

LAND DEVELOPMENT DEPARTMENT

SAN JUAN, PUERTO RICO

	BY	DATE
SURVEYED		
COMPUTED		
DESIGNED		
DRAWN	G. Pons	March 3/71
TRACED		
CHECKED		

DWG. NO. 115-416 D

SHEET NO. 1 OF 1

RECOMMENDED: F. Urquiere DATE: 3 Mar 71

APPROVED: [illegible] DATE: 3 Mar 71

L M N P R S

GE_CARIBE001241

PRIDCO
FORM NO. 58

INDUSTRIAL SITE

MUN. JUANA DIAZ
BARRIO URBAN ZONE

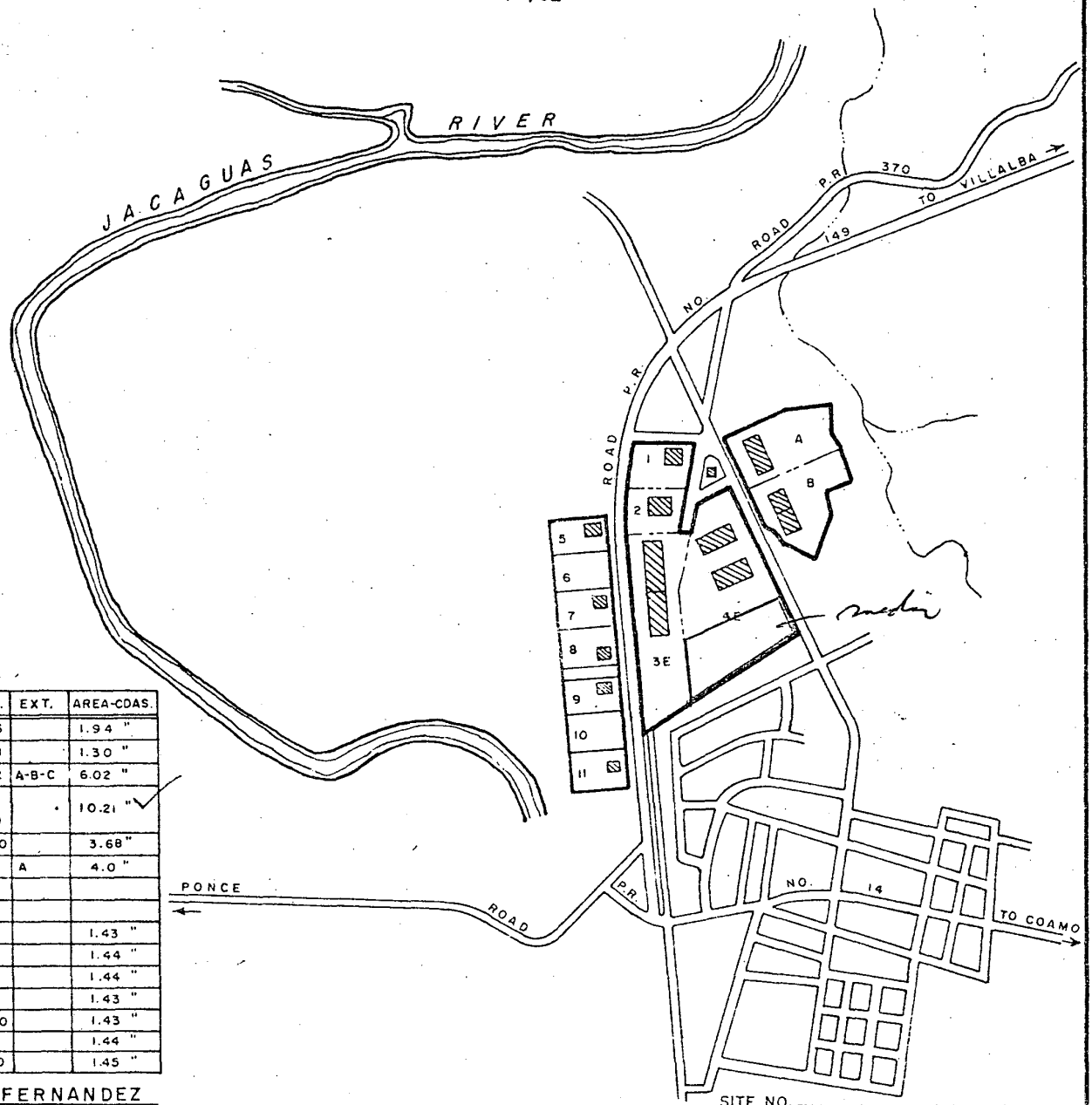
DATE JULY 29 '69

NUMBER JD-1

LOCATION PLAN

L-75-56
L-196-60
L-75(A)62

PRIDCO PROPERTY



LOT	BLDG. NO.	EXT.	AREA-CDAS.
1	S-328-56		1.94 "
2	6-470-58		1.30 "
3E	7-594-62	A-B-C	6.02 "
4E	S-299-56 S-254-60		10.21 "
A	S-529-60		3.68"
B	1-59-51	A	4.0 "
5	T-775-66		1.43 "
6			1.44 "
7	T-862-68		1.44 "
8	T-931-68		1.43 "
9	T-1010-70		1.43 "
10			1.44 "
11	T-1001-70		1.45 "

DRAWN D. FERNANDEZ

CHECKED

SITE NO.

SCALE 1:10,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. – PLANNING DEPT. – SAN JUAN. P. R.

TORENE-177 T.M. TRACING PAPER 60254

Lease Folder

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

G.P.O. BOX 2350 SAN JUAN, PUERTO RICO 00936

CABLE ADDRESS
"INDEVELCO"

May 16, 1972

Mr. John O. Kaff
Assistant Treasurer
General Electric Wiring Devices, Inc.
P.O. Box 274
Juana Díaz, Puerto Rico 00665

Dear Mr. Kaff:

We refer to your letter of February 15, 1972 wherein you inform this Company of your desire to exclude from the provisions of the Lease Contract the lot of undeveloped land reserved to your firm for expansion purposes.

Please be advised that it is necessary to segregate said track of land before we can proceed with the necessary amendment to the Contract. To this effect, an Engineer from our Planning Department will visit you shortly.

Once we have the approval of the Planning Board for the segregation of the lot we will contact you again.

Cordially yours,

Sergio Budet Calzada
Treasurer

February 15,1972

Mr. Asencio Seda,Treasurer
Puerto Rico Industrial Development Co.
P.O.Box 2350
San Juan,Puerto Rico 00936

Dear Mr. Seda:

As you may be aware, General Electric Wiring Devices has exercised its option to renew its lease on Buildings S-290-56 and S-554-60 as provided in the lease dated October 20,1956 for an additional 15-year period commencing September 1,1972. (See Mr. T.E.Mosley's letter of February 15,1972 to your Mr.Francisco Arends).

We would like at this time to explore the possibility of an after the fact amendment to said lease excluding the "undeveloped land" from this agreement. This exclusion would exempt General Electric Wiring Devices from the yearly rental of $901.20 and responsibility for upkeep on this lot, while at the same time make this land available for a future PRIDCO project.

Please advise your comments on the above to my attention or if this inquiry has been misdirected, forward to the proper individual. Your prompt attention will be much appreciated.

Very truly yours,

G.E.WIRING DEVICES, INC.

John D.Kaff
Assistant Treasurer

JDK/mb

cc: A.H.Kritzer, Esq.
R.L.Yale
T.E.Mosley

Marital File in Lease Folder

8/17/71
Amendment

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

G.P.O. BOX 2350 SAN JUAN, PUERTO RICO 00936

CABLE ADDRESS
"INDEVELCO"

September 14, 1971

General Electric Wiring Devices, Inc.
P.O. Box 274
Juana Díaz, Puerto Rico 00665

Dear Sirs:

I enclose signed copy of the Supplement and Amendment to Lease with Option to Purchase Premises executed on August 17th 1971.

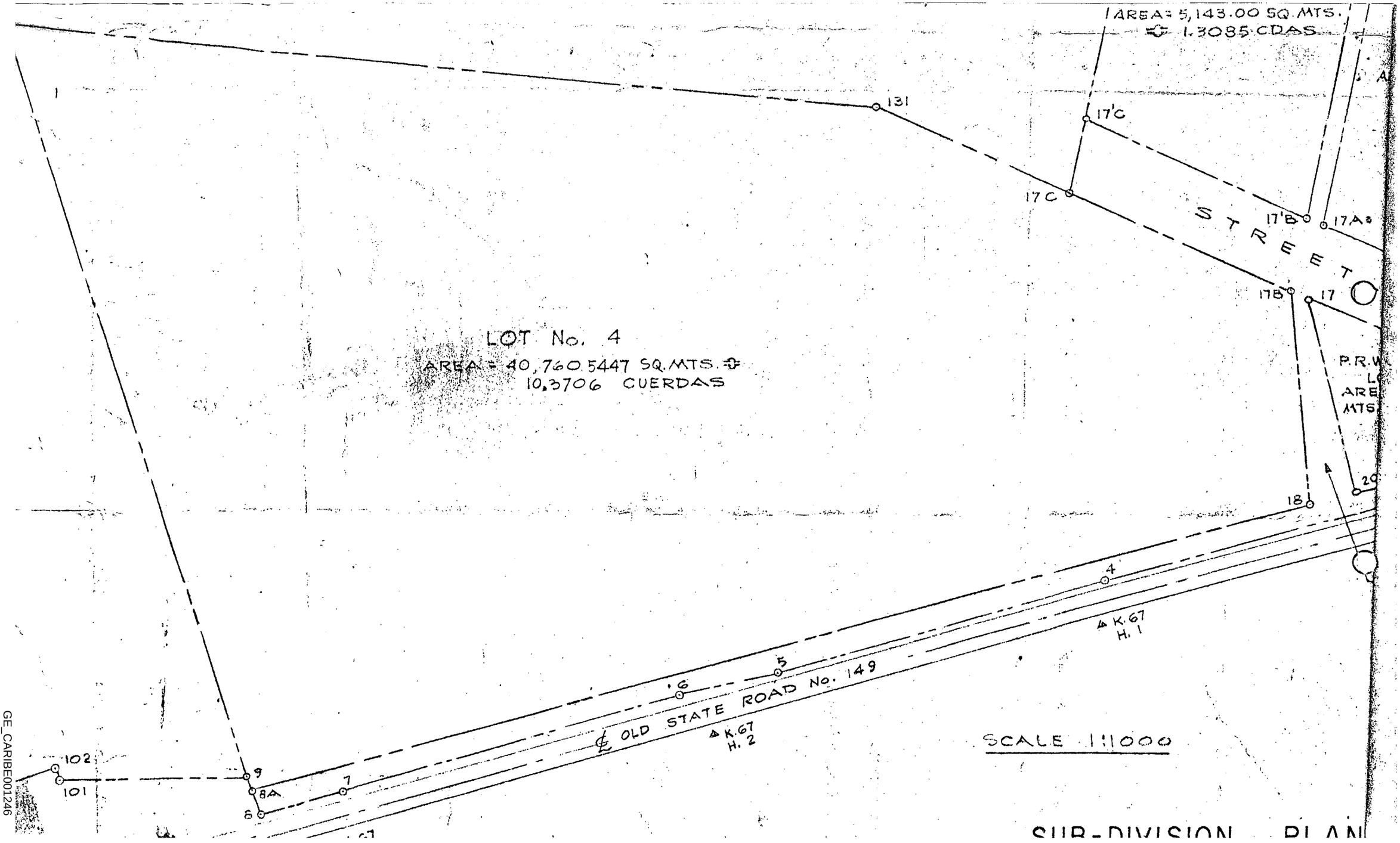
Very truly yours,

Carlos A. Vallecillo
General Counsel

cc: Kritzer 2-14-72

Encl.

RECEIVED
SEP 16 1971
GENERAL ELECTRIC
WIRING DEVICES, INC.



GE_CARIBE001246

CAV:ant

SUPPLEMENT AND AMENDMENT TO LEASE WITH OPTION TO PURCHASE PREMISES

NOW COME the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC WIRING DEVICES, INC. (hereinafter referred to as the "Lessee"), herein respectively represented by their duly authorized officers and agree to supplement and amend a certain "Lease With Option to Purchase Premises" entered into by them on October 20, 1956, supplemented and amended on July 7, 1958, July 13, 1959 and February 26, 1962 (hereinafter collectively referred to as the "Contract") in the following respects:

ONE: Anything contained in the Contract to the contrary notwithstanding, the description of the landsite covered thereby, and encumbrances thereon, is as follows:

> "Parcel of land (Lot No. 4) located at Juana Díaz Industrial Subdivision, Juana Díaz, Puerto Rico.
>
> It bounds by the North with an irrigation ditch and with a paved street of same industrial area; by the South with land owned by Juana Díaz Housing Cooperative, by the East with old State Road No. 149; and by the West lot No. 3 of same industrial area.
>
> It has a surface area of 40,760.5447 square meters equivalent to 10.3706 "Cuerdas".

TWO: The Lessor further agrees that it will promptly stake out the new boundary of the leased property and also construct a suitable fence along the boundary lines thereof at its expense.

THREE: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with the terms hereof and shall remain in full force and effect as herein supplemented and amended.

IN WITNESS WHEREOF, the parties hereto execute this Contract at San Juan, Puerto Rico, this 17th day of AUGUST 1971

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____

GENERAL ELECTRIC WIRING DEVICES, INC.

BY: J. E. Mosley, Jr.

RAMON RIVERA

105

LOT No. 4

POINT	COORDINATES X	COORDINATES Y	COURSE		BEARING	DISTANCES MTS	DISTANCES FT.	REMARKS
127	2674.25	1653.32						
131	2721.53	2373.71	127	131	N 3° 45' 18" E	220.050	721.94	
17C	2788.51	2536.01	131	17C	N 22° 25' 30" E	53.517	175.58	
17B	2864.23	2719.49	17C	17B	N 22° 25' 30" E	60.500	198.49	
18	3043.97	2741.37	17B	18	N 83° 02' 00" E	55.008	180.471	
8A	3307.57	1885.36	18	8A	S 17° 09' 00" W	273.053	895.84	
9	3290.36	1877.78	8A	9	S 66° 11' 00" W	5.721	18.77	
127	2674.25	1653.32	9	127	S 69° 58' 57" W	199.87	655.73	

AREA = 40,760.5447 SQ. MTS. ⇒ 10.3706 CUERDAS

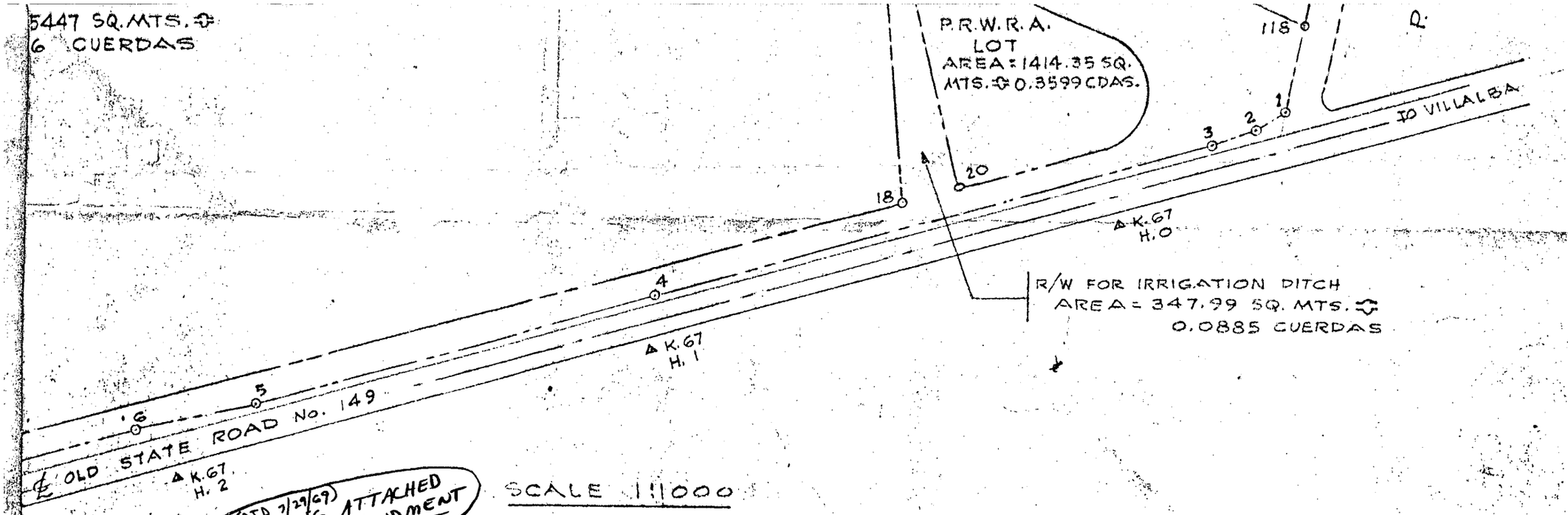
LOT No. 3

116A	2458.15	1574.59						
116C	2471.49	1813.87	116A	116C	N 3° 11' 30" E	73.046	239.65	
133	2441.60	1811.32	116C	133	S 85° 07' 00" W	9.144	30.00	
134	2478.24	2593.79	133	134	N 2° 40' 52" E	238.760	783.33	
17C	2788.51	2536.01	134	17C	S 79° 27' 00" E	96.195	315.60	
131	2721.53	2373.71	17C	131	S 22° 25' 30" W	53.517	175.58	
127	2674.25	1653.32	131	127	S 3° 45' 18" W	220.05	721.94	
116A	2458.15	1574.59	127	116A	S 69° 58' 57" W	70.104	230.00	

AREA = 21,920.3980 SQ. MTS. ⇒ 5.5772 CUERDAS

A B C D E

GE_CARIBE001248



SEE (DTD 7/29/69) DRAWING ATTACHED TO 7/23/73 AMENDMENT
T.M. Harrassy 3/2/83

SUB-DIVISION PLAN

PROJECT No. L-75-56

NO.	DATE	REVISIONS	BY	LOCATION
1	JULY 11, 1969	AREA FIGURES ON LOT NO. 4 REVISED	H.M. PDR	

JUANA DIAZ INDUSTRIAL AREA

JUANA DIAZ, P.R.

COMMONWEALTH OF PUERTO RICO

P. R. INDUSTRIAL DEVELOPMENT CO.

LAND DEVELOPMENT DEPARTMENT

SAN JUAN, PUERTO RICO

	BY	DATE
SURVEYED		
COMPUTED		
DESIGNED		
DRAWN	W. Pons	June 13/69.
TRACED		
CHECKED		

DWG. NO. 115-416C

SHEET NO. 1 OF 1

RECOMMENDED: [signature] DATE: 13 June 69

APPROVED: F. Umpierre DATE: 13 June 69

L M N P R S

GE_CARIBE001249

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

G.P.O. BOX 2350 SAN JUAN, PUERTO RICO 00936

CABLE ADDRESS
"INDEVELCO"

September 30, 1970

Mr. R. E. Peterson
Manager, Manufacturing Engineering
General Electric Wiring Devices, Inc.
P. O. Box 274
Juana Díaz, Puerto Rico

Dear Mr. Peterson:

Reference is made to your letter of September 25, 1970 regarding the land change proposed and accepted by your company in our letter of May 2, 1969.

8/17/71 Amendment

In August 1969 we sent to your company the enclosed Supplement and Amendment to Lease. Said document has not been received duly executed by General Electric Wiring Devices. Will you please exercise your best efforts to have it signed?

Enclosed, also please find a simple copy of the segregation document for the land which is being presented in the Registry of the Property as per letter of your Attorney Patrick Wilson, which is self explanatory.

Your cooperation in expediting this transaction shall be greatly appreciated.

Cordially yours,

Jobino de Jesús

Jobino de Jesús
Director, Contract Negotiations Department

Reference Only
TMH 3/2/83

Translation:

NUMBER FOURTEEN

SEGREGATION

In the city of San Juan,Puerto Rico
on the fourth day of August of nineteen 8/4/70
hundred seventy.

BEFORE ME
ARIEL CURET CUEVAS

Lawyer and Notary Public of the Commonwealth of Puerto Rico with residence and office in the city of San Juan, Puerto Rico -

APPEARS

The PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY(henceforth called the "Company"), a public corporation and governmental agency of the Commonwealth of Puerto Rico, created by Law Number One Hundred Eighty-Eight (188) of May eleventh of the year one thousand nine hundred forty eight, as subsequently amended and appearing in behalf in this Act its President and General Manager, Mr. Luis Cortes Ramos, of legal age, married, engineer and resident of San Juan, Puerto Rico.

Personally known to me and I do certify as to the expressed personal circumstances and statements. He assures me that he has and in my judgment has, the legal capacity necessary for this instrument and being in full enjoyment of his civil rights freely

DECLARES

FIRST: That the Company is the sole owner of the following property-

RUSTICA:Tract of land located in Barrio Lomas, now Pueblo Oeste of the municipality of Juan Diaz,Puerto Rico, comprised of thirty-four cuerdas and five thousand three hundred sixty one ten thousandths of another (34.5361),equivalent to thirteen hectares, fifty-seven areas (57) forty centiareas (40) and five thousand eight hundred sixty two ten thousandths centiareas (5,862). Bordered on the North by Luciana property of the Land Authority, to the South, by State Road number fourteen (14), the municipal government of Juana Diaz, Ramon Rivera and Luisa Vazquez, to the East with State Road number one hundred forty-nine (149) (old) , Luisa Vazquez,Sucesión Boria,Domingo Vazquez, Ramon Rivera and the town of Juana Diaz;and on the West, by easements of "via ferrea" which separates it from the property termed Luciana of the Land Authority of Puerto Rico.

SECOND:That the Company acquired this property through purchase from the Land Authority of Puerto Rico as stipulated in Deeed Number Eight (8) before Notary Gustavo de Pedro on the seventeenth day of June of the year nineteen

hundred and fifty-nine. Same is inscribed in the Registry of Property of Puerto Rico, Ponce Section, folio number two hundred and thirty-three of colume one hundred twenty-five (125) of Juana Diaz, tract number four thousand six hundred sixty (4,660), first inscription.

THIRD: The Company further states that from this parcel the following has been segregated:

One: Fourteen and six thousand three hundred and three ten thousanths cuerdas (14.6303) sold to Cooperativa de Hogares Jacaguax under instrument number twenty-six before Notary Julio Martinez Julia on date of september twenty-two of the year nineteen hundred and sixty-one.

Two: Three hundred twenty-six ten thousandths of a cuerda (.0326) sold to Public Works through Deed No.3 before Notary Estrella Garcia Cepella under date of March 3 of the year nineteen hundred and sixty-three.

FOURTH: That the Planning Board in its report on project number approved the segregation of a tract (henceforth called "Tract Number Four".

FIFTH : The Company now states that in accordance with the foregoing, by means of this instrument, now segregates Tract Number Four so that it may be registered in the Registry of Property as a separate and independent tract under a new number with the following description:

URBAN: Parcel of land identified as Tract Number Four located in the urban zone of Juana Diaz,Puerto Rico. Bordered on the North with an irrigation canal, on the south with land property of Cooperativa Hogareña de Juana Diaz; on the East by the old road number one hundred forty-nine (149) and on the West with land, property of the Puerto Rico Industrial Development Company, separated by a street. It has a superficial area of four thousand seven hundred sixty and five thousand four hundred forty-seven square meters(40,760.5447) equivalent to ten and three thousand seven hundred six ten thousandths cuerdas (10.3706) This tract is free of liens and encumbrances.

For inscription purposes at the Registry of Property, Tract Number Four is evaluated at ONE THOUSAND DOLLARS ($1,000.00).

ACCEPTANCE

The appearing party accepts this instrument in the form exactly as it is written as it faithfully represents that which was agreed to and I, THE NOTARY, have advised him of the pertinent legal aspects.

STIPULATION

So it is stated and declared by the appearing party and is executed before me, THE NOTARY, without the presence of instrumental witnesses as the appearing party has waived his right to require them although I have advised him of his right to have them.

READING

I have read this instrument to the appearing party who has also read it personally. He informs me that he is aware of the contents therein and so it is ratified, signed and initialed on all pages thereof , on the margin, in my presence.

To all of the foregoing and to everything else contained herein by me averred in this instrument, I, THE NOTARY, certify of my notarial faith and under my mark, signature and seal....sign

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

G.P.O. BOX 2350 SAN JUAN, PUERTO RICO 00936

CABLE ADDRESS "INDEVELCO"

TELEX — 385238

May 2, 1969

Mr. James A. Belleman, Senior Negotiator
General Electric Company
Building 3, Room 320
One River Road
Schenectady, New York 12305

Re: General Electric Wiring Devices, Inc.
Juana Díaz, Puerto Rico

Dear Mr. Belleman:

The enclosed maps show the land covered by the Lease Contract with your captioned company at Juana Díaz, Puerto Rico.

The piece of land marked in red identified with letter B is urgently needed by this Company to accomodate a building for a shoe industry already in operations in Juana Díaz. This land has approximately 4,872.54 square meters.

The piece of land marked in red identified with letter A adjacent to your project belongs to this Company and is not covered by any lease contract.

It contains approximately 5,173.47 square meters. It is our request, therefore, that the piece of land B which is covered by the lease contract be surrendered to us in exchange for the property identified as A.

We hope that you will find this proposal acceptable and will greatly appreciate your cooperation in expediting our request.

Best regards.

Very truly yours,

Jobino de Jesús

Jobino de Jesús
Senior Contract Negotiator

Encls.

Reference Only
TMH
3/2/83

PRIDCO
FORM NO. 58

INDUSTRIAL SITE

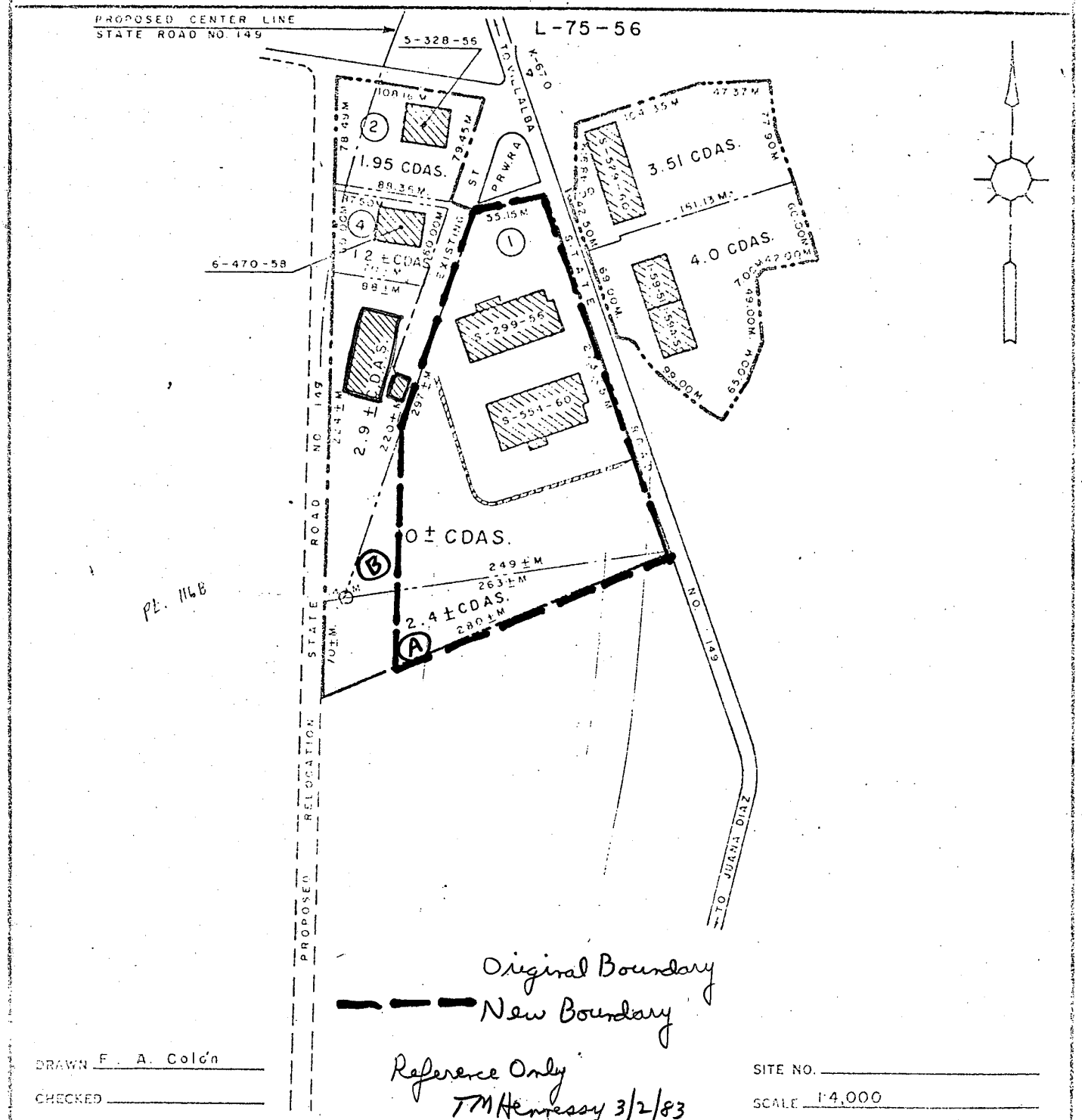
REV. 2/1/68 by JG

MUN. JUANA DIAZ
BARRIO URBAN ZONE

SITE PLAN

DATE DIC. 21, 1960.

NUMBER JD-2



DRAWN F. A. Colón

CHECKED

Reference Only
TM Hennessy 3/2/83

SITE NO.

SCALE 1:4,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. – PLANNING DEPT. – SAN JUAN, P.R.

PRIDCO
FORM NO. 58

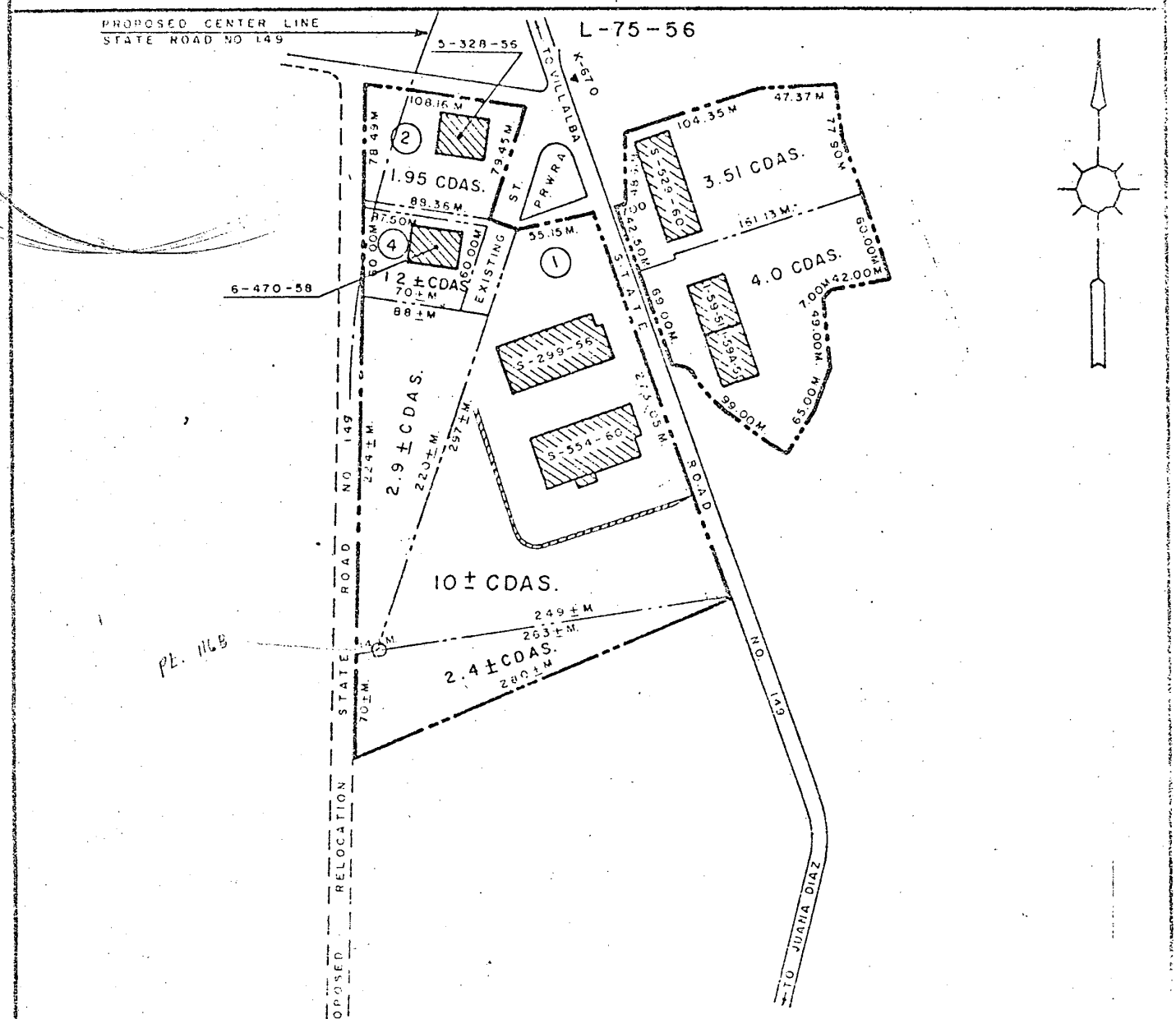
INDUSTRIAL SITE

MUN. JUANA DIAZ
BARRIO URBAN ZONE

SITE PLAN

DATE DIC. 21, 1960.

NUMBER JD-2



Original Boundary

Reference Only
TMH
3/2/83

DRAWN F. A. Colón
CHECKED

SITE NO.
SCALE 1:4,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. – PLANNING DEPT. – SAN JUAN, P.R.

TORENE 177 60204

GE_CARIBE001256

GENERAL ELECTRIC COMPANY

REAL ESTATE AND CONSTRUCTION OPERATION

DIAL COMM
8-235-5135

Schenectady, May 7, 1969

RECEIVED
MAY 9 1969
Manager - Finance

Mr. Jack B. Wright
Manager - Finance
Wiring Device Department
P. O. Box 6608
Providence, Rhode Island 02904

Dear Mr. Wright:

Enclosed are a May 2 letter from Jobino de Jesus together with two maps regarding a request by PRIDCO for an exchange of property covered under your lease with PRIDCO dated October 20, 1956 for the Juana Diaz plant.

Although I was involved in the original lease negotiations, I did not see the site that you occupy in Juana Diaz. If the parcels proposed for exchange are similar, it would appear that the request is reasonable. If your management is agreeable to this exchange, it can be handled by an amendment to the lease.

I would suggest, however, any existing fencing along the boundary line be re-installed to accommodate the new configuration and that any other expense involved be the obligation of PRIDCO.

If you have any comments or questions, please let me hear from you.

Very truly yours,

J. A. Belleman

J. A. Belleman
Senior Negotiator
Industrial Real Estate

JAB:dm
Enclosures

Reference Only
TMH
3/2/83

File: West Field

COMMONWEALTH OF PUERTO RICO
PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY
G. P. O. BOX 2350 SAN JUAN, PUERTO RICO 00936

cc: RIS
JBB

Hennessey

RECEIVED

'82 MAY -6 A10:51

W.D.P.R.
G.E. CO.-JUANA DIAZ

A. Neil Montilla
President & General Manager

PHONE (809) 764-1175

4th + Final Option

April 19, 1982

Mr. Ignacio Rivera
Counsel-Puerto Rico Operations
General Electric Company
P. O. Box 5718
Old San Juan, P. R. 00905

Re: General Electric Company
Projects S-0299-0-56, S-0554-0-60
& L-0075-0-04 Juana Díaz, P.R.

Dear Mr. Rivera:

We refer to your letter of February 22, 1982 whereby you exercise the option to renew the Lease Contract dated October 20, 1956, as supplemented and amended, executed by and between General Electric Wiring Devices, Inc. and this Company, subsequently assigned to General Electric Company-Wiring Device Business Department, covering the above captioned projects.

This Company hereby accepts said renewal for an additional period of five (5) years commencing on September 1st, 1982 and expiring on August 31, 1987. Said renewal shall be under the same terms and conditions of the original contract, as amended, including rental payments.

Cordially yours,

A. Neil Montilla

NO LEASE DATA
PLS FILE IN FOLDER I

GENERAL ELECTRIC WIRING DEVICES, INC.

JUANA DIAZ, PUERTO RICO

P. O. BOX: D. JUANA DIAZ, P. R.
TELEPHONE - JUANA DIAZ 837-2500

CABLE ADDRESS: GEWIDE - PONCE, P. R.

3rd Option

Certified 252277
Return Receipt Requested

February 7,1977

President
Puerto Rico Industrial Development Co.
P.O.Box 2672
San Juan, Puerto Rico

Gentlemen:

This is to advise Puerto Rico Industrial Development Company that General Electric Wiring Devices, Inc. wishes to exercise and hereby does exercise its option to extend that certain written lease dated October 20,1956 between Puerto Rico Industrial Development Company and General Electric Wiring Devices, Inc., as amended by agreement dated July 7,1958, by agreement dated July 13,1959, by agreement dated February 26,1962, by agreement dated August 17,1971, by agreement dated July 23,1973 and by agreement dated March 6,1974 and the term thereby demised for a five (5)-year period commencing upon September 1,1977.

Very truly yours,

G.E.WIRING DEVICES, Inc.

T. E. Mosley, Jr.

T.E.Mosley, Jr.
President

TEM/mb

cc: J.D.Kaff

Unable to locate PRIDCO acceptance letter
TM Hennessy
3/2/83

NO LEASE
DIS FILE IN FOLDER #I

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

G.P.O. BOX 2350 SAN JUAN, PUERTO RICO 00936

CABLE ADDRESS "INDEVELCO"

TELEX — 385238

March 9, 1972

2nd Option

CERTIFIED RETURN RECEIPT REQUESTED

Mr. T. E. Mosley, Jr., President
General Electric Wiring Devices, Inc.
P.O. Box 274
Juana Díaz, Puerto Rico 00665

Dear Mr. Mosley:

We refer to your letter of January 15, 1972, exercising the option granted to General Electric Wiring Devices, Inc., for the renewal of the Lease with Option to Purchase Premises, executed on October 20, 1956, as subsequently amended, covering our buildings no. S-299-56 and S-554-60 at Juana Díaz, Puerto Rico for an additional period of five (5) years.

We hereby accept the renewal of the aforesaid Lease Contract, starting on September 1, 1972, under the same terms and conditions as may be applicable.

Cordially yours,

Francisco Arends
President and General
Manager

Maria -
Run one copy for R L Yale } 3-22-72 mp
" " " A. Kritzer }
+ File in lease Folder.

3/14/72

NO LEASE
PLS FILE IN FOLDER #I

File - Lease Book

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

SAN JUAN, PUERTO RICO

CABLE ADDRESS
"INDEVELCO"

POSTAL ADDRESS
BOX 2672

April 18, 1967

1st Option

Mr. John H. Goodrich,
President
General Electric Wiring Devices, Inc.
P. O. Box 274
Juana Díaz, P. R.

Dear Mr. Goodrich:

We acknowledge receipt of your letter informing us your decision to renew the Lease Contract dated october 20, 1956 subsequently amended, covering our buildings No. S-554-60 and S-299-56 at Juana Díaz, Puerto Rico between your goodselves and this Company, for an additional term of five years, as provided for in the contract. 9/1/67 - 8/31/72

We hereby accept the renewal of the aforementioned Lease Contract.

Cordially yours,

JUAN F. BILLOCH
Treasurer

NO LEASE FILE IN PLS FOLDER # I

Feb. 26, 1962
Amendment
(copy)

COMMONWEALTH OF PUERTO RICO

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

SAN JUAN, PUERTO RICO

CABLE ADDRESS
"INDEVELCO"

POSTAL ADDRESS
BOX 2072

March 14, 1962

Mr. Kenneth E. Sutton, President
General Electric Wiring Devices, Inc.
P. O. Box 275
Juana Diaz, Puerto Rico

Dear Mr. Sutton:

Enclosed please find signed copy of the Supplement and Amendment to Lease With Option to Purchase Premises entered into by and between General Electric Wiring Devices, Inc. and this Company on February 26, 1962.

Cordially yours,

EDUARDO COLON CASTRO
Assistant General Counsel

Enclosure

GE_CARIBE001262

6 6

SUPPLEMENT AND AMENDMENT TO LEASE
WITH OPTION TO PURCHASE PREMISES
Copy

This Agreement entered into by and between the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC WIRING DEVICES, INC. (hereinafter referred to as the "Lessee") herein respectively represented by their duly authorized officers.

WITNESSETH THAT:

WHEREAS, Lessor and Lessee entered, on October 20,1956, into a Contract of Lease with Option to Purchase Premises, which contract was supplemented and amended on July 7,1958 and July 13,1959 (hereinafter collectively referred to as the "Contract"): and

WHEREAS, in Article 5 of the Contract an option was granted to the Lessee to request, within the first five years of the term of the lease, the construction of an additional building of approximately 30,000 sq. ft. of building area which building upon completion,would be incorporated into the lease; and

WHEREAS, Lessee has duly exercised said option and the Lessor has constructed said building: and

WHEREAS, the Contract also covered the lease of certain undeveloped land, the rental payments for which have to be now reduced due to the fact that part of said land has been developed.

NOW,THEREFORE, the portion hereto hereby covenant and agree as follows:

ONE: The description of the original building and the landsite upon which constructed,(identified as Project S-229-56) are as set forth in Exhibit "A" attached hereto and made a part hereof.

TWO: The description of the new building and the landsite upon which constructed (identified as Project S-554-60) are as set forth in Exhibit "B" attached hereto and made a part hereof.

THREE: The description of the undeveloped land is as set forth in Exhibit "C" attached hereto and made a part hereof.

FOUR: The building described in Exhibit "B" hereof is hereby included as part of the demised premises covered by the Contract, and, as such, subject to all the terms, covenants and conditions therein included except as they may have been supplemented and amended by the within agreement.

FIVE: The Lessee agrees to pay to the Lessor commencing on November 1st, 1961 and up to August 31,1967 rent as follows:

(a) Forty-Five cents ($0.45) per square foot of gross building area per annum on the building described in Exhibit "A" hereof,

(b) Until the final cost of the building described in Exhibit "B" is determined in accordance with the

formula provided in Article 5 of the contract, a temporary rent equivalent to FIFTY-FIVE CENTS ($0.55) per square foot of gross building area per annum on the building described in Exhibit "B" hereof. The rent to be determined in accordance with Article 5 of the contract for the aforesaid building described in Exhibit "B" shall be retroactive to November first 1961 and the necessary adjustments, if any, shall be made upon such determination.

(c) NINE HUNDRED ONE DOLLARS AND SIXTEEN CENTS ($901.16) for the undeveloped land described in Exhibit "C" hereof, per annum.

(d) The aggregate of the rent payable under (a) to (c) above shall be payable in advance in equal monthly installments.

Rent for the first two five-year extensions of the term of the lease referred to in Article 2 of the Contract shall be the same as in (a) to (d) above. Rent on the two buildings described in Exhibits "A" and "B" hereof for the second two five-year extensions of the term of the lease referred to in Article 2 of the Contract shall be one-half of the rate specified in (a) and (b) above.

SIX: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent set forth herein and as so supplemented and amended shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto execute this contract at San Juan, Puerto Rico on this 26th day of February 1962.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

By_____

GENERAL ELECTRIC WIRING DEVICES, INC.

By_____

6 6

EXHIBIT "A"

DESCRIPTION OF LANDSITE AND BUILDING:

LANDSITE:

Parcela de terreno radicada en la zona urbana de Juana Díaz, Puerto Rico. Colinda por el norte con la servidumbre de un canal de riego, por el sur con terrenos propiedad de la Compañía de Fomento industrial, por el este con la Carrera Estatal #149 que conduce de Juana Díaz a Villalba y por el oeste con franja de terreno para la construcción de carretera en proyecto.

Tiene una cabida superficial de 12,677.12 metros cuadrados, equivalentes a 3.2257 cuerdas.

BUILDING:

The building is a half monitor type building consisting of reinforced concrete foundations,columns,beams and girders to support a 3-1/2" roof slab in two sections with clerestory on one side to accommodate a continuous row of chain operated windows.

It consists of a main floor 241'-2" x 121'-6" plus 80' -5" x 6' -7" cut to cut dimensions for an area of 29,831.31 sq. ft. of manufacturing space; an entrance lobby and office 17' -8" x 6' -2" plus 15' -0" x 12' -0" for an area of 289.00 sq. ft. and lean-to 50' -7" x 10' -6" for an area of 531.09 sq. ft. to be used for sanitary facilities and 32' - 6" x 21' -0" for an area of 682.50 sq.ft. to be used for the Impregnating Room. This gives a total area of 31,334 sq. ft. of covered floor space.

The floor consists of a 4" thick reinforced concrete slab with a monolithic cement finish on the manufacturing area, office area, cleaning gear, closets, platform and entries. Ceramic files on toilets and rest rooms and quarry tiles on the entrance lobby.

The exterior and interior walls are plastered and painted, except for toilet and rest rooms which have a 5' -0" high sprayed-on glassed finish wainscot on the inside.

Ceilings are rubbed and painted except for the entrance lobby which is plastered and painted.

Windows are Miami aluminum louvers and naming type throughout the building.

The doors are a double sliding one at the loading platform, a flush steel, double swing one at the entrance porch; a similar one equipped with antipanic hardware at the side exit and single swing finish plywood doors at toilets.

Clearance inside the building from finish floor to lower part of the beams at the side eaves is 101-6" and 17'- 0" along the clerestory.

EXHIBIT "B"

DESCRIPTION OF LANDSITE AND BUILDING:

LANDSITE:

Parcela de terreno radicada en la zona urbana de Juana Díaz, Puerto Rico. Colinda por el norte con terrenos de la Compañía de Fomento Industrial, por el sur con terrenos de la Compañía de Fomento Industrial, por el este con la Carretera Estatal #149 que conduce de Juana Díaz a Villalba, y por el oeste con terrenos de la Compañía de Fomento Industrial.

Tiene una cabida superficial de 10,625.00 metros cuadrados equivalentes a 2,7033 cuerdas.

BUILDING:

This is a pitched roof type building consisting of reinforcement concrete foundations, columns and girders supporting 30 feet long concrete joist which in turn supports 4" reinforced concrete slabs. This building as 1/2 monitor, ventilation is provided.

The structure of a main floor 241' - 7" x 121 - 0" out to out dimensions with an area of 29,231.18 sq. ft. plus 80' - 7" x 7' -3" with an area of 584.20 sq. ft. making a total gross manufacturing area of 29,815.38 sq. ft.; two entrance porches 15' - 0" x 13' -0" and 6' - 10" x 5' - 0" with an area of 229.15 sq. ft. and a lean-to 50' - 10" x 10' - 6" with an area of 533.71 sq. ft. to be used for sanitary facilities, this gives a total area of 30,578.24 sq. ft. of covered floor space.

The floor consists of 5" thick reinforced concrete floor slab with monolithic cement finish in the manufacturing area, janitor rooms, closet, quarry tiles on the entrance porch and ceramic tiles on the men's and ladies' rooms. Glazed tiles on shower wainscot.

Exterior walls are 6" concrete blocks, plastered and painted on both sides except on the front wall which is plastered, blue ceramic and ornamental yellowstone flower box.

Interior walls at the lean-to are plastered and painted together with a 5' - 11" high D eluxe Superwhite (two coats) finish wainscot at the men's and ladies' toilet rooms.

Ceilings are rubbed and painted throughout the building.

Windows are miami aluminum louvers throughout the building, except for awning type at the front wall.

Doors are made of flush plywood except for one steel flush double swing door at the main entrance, a similar door equipped with ("antipanic") hardware set at the rear entrance and a roll-up door at the loading platform.

Clearance in the manufacturing area from finish fllor is 21' -5" ft. and 14' - 6" ft. at the highest point on the building.

6 6

EXHIBIT "C"

DESCRIPTION OF LANDSITE:

Parcela de terreno radicada en la zona urbana de Juana Díaz , Puerto Rico. Colinda por el norte con terrenos de la Compañía de Fomento Industrial, por el sur con terrenos de la Compañía de Fomento Industrial, por el este con la Carretera Estatal #149 que conduce de Juana Díaz a Villalba y por el oeste con franja de terreno para la construcción de carretera en projecto.

Tiene una cabida superficial de 25,988.85 metros cuadrados, equivalentes a 4,068 cuerdas.

GE_CARIBE001267

AGREEMENT

This agreement entered into as of the 21st day of September 1959, by and between the Puerto Rico Industrial Development Company (hereinafter referred to as the "Company) and General Electric Wiring Devices, Inc., a corporation organized under the laws of the State of Delaware (hereinafter referred to as the Delaware Corporation):

WITNESSETH THAT:

WHEREAS, on the 20th day of October 1956 the Company leased to General Electric Wiring Devices, Inc., a corporation organized under the laws of the State of New York (hereinafter referred to as the "New York Corporation) certain factory buildings at Juana Díaz, Puerto Rico duly described in a Lease with Option to Purchase Premises Contract executed between both parties on that same date and subject to the terms specified thereon, as supplemented and amended on the 7th day of July 1958 and the 13th day of July 1959;

WHEREAS, on the 21st day of September 1959 the New York Corporation merged into the Delaware Corporation and the Delaware Corporation acquired all the assets and assumed all the liabilities of the New York Corporation;

NOW, THEREFORE, in consideration of the above premises and in conformity therewith the Delaware Corporation does hereby covenant and agree with the Company that it will henceforth pay the rent and other payments reserved, and perform the covenants and agreements on the part of the Lessee contained in the aformentioned Lease with Option to Purchase Premises Contract on the 20th day of October 1956, as supplemented and amended of the 7th day of July 1958 and the 13th of July 195~~6~~9, and the Company does hereby consent to such assumption of obligations and liabilities and to consider and treat the Delaware Corporation for all pertinent purposes as the Lessee under the aforesaid lease contract.

IN WITNESS WHEREOF, the parties hereto execute this contract at San Juan, Puerto Rico, this 18th day of November 1959.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: Carlos M. Panalang

GENERAL ELECTRIC WIRING DEVICES, INC.
A DELAWARE CORPORATION

BY: Kenneth T. Seetton President
Chairman of

July 13, 1959
Amendment

SUPPLEMENT AND AMENDMENT TO LEASE CONTRACT WITH OPTION TO PREMISES

This Agreement entered into by and between GENERAL ELECTRIC WIRING DEVICES, INC., (hereinafter referred to as Lessee) a corporation organized under the laws of the State of New York, and authorized to do business in Puerto Rico, and PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as Lessor), herein respectively represented by their duly authorized officers.

WITNESSETH THAT:

WHEREAS, on October 20, 1956 the parties hereto entered into a construction and lease contract (hereinafter referred to as the Contract) which was supplemented on July ~~4~~ 7, 1958 to clarify that the term of 10 years of the Contract started on September 1, 1957.

WHEREAS, the parties desire to clarify description of the parcel of land covered by the Contract which is set forth as an Exhibit of the Contract;

Now, therefore, the parties hereto hereby agree to supplement and amend the Contract as follows:

The correct and exact description of the parcel of land referred to in paragraph One of the Contract is as follows:

> "Parcel of land located in the municipality of Juana Díaz. It bounds along the North with an irrigation canal; along the South with land of the principal estate from which the parcel is segregated which principal estate is owned by the Puerto Rico Industrial Development Company; along the East with State Road No. 149 and along the West with a right of way for a proposed road. It has an area of 40,459.50 sq. meters equivalent to 4 ares, 04 hectares and 59.50 centiares; equivalent to 10.294 cuerdas, equivalent to 10 acres.
>
> The description of this property by meters and bounds is as follows:
> Starting at point 116B, in a direction N 22°26'E for a distance of 298.06 meters along a proposed road to point 17B, which is a concrete monument; from this point in a direction N 83°02'E for a distance of 55.01 meters along an irrigation canal to point 18, also a concrete monument, from this point in a direction S 17°09'E for a distance of 273.05 meters along State Road 149 to point 8A which is a concrete monument; and from this point in a direction S 85°07'O for a distance of 249.73 meters adjoining land of the principal estate owned by the Puerto Rico Industrial Development Company from which the parcel is segregated up to point 116B which is the point of origin."

GE_CARIBE001269

For further verification, attached is a site plan with respect to the foregoing.

IN TESTIMONY WHEREOF, the parties hereto hereby affix their hands at San Juan, Puerto Rico on this 13th day of July 1959.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____

GENERAL ELECTRIC WIRING DEVICES, INC.

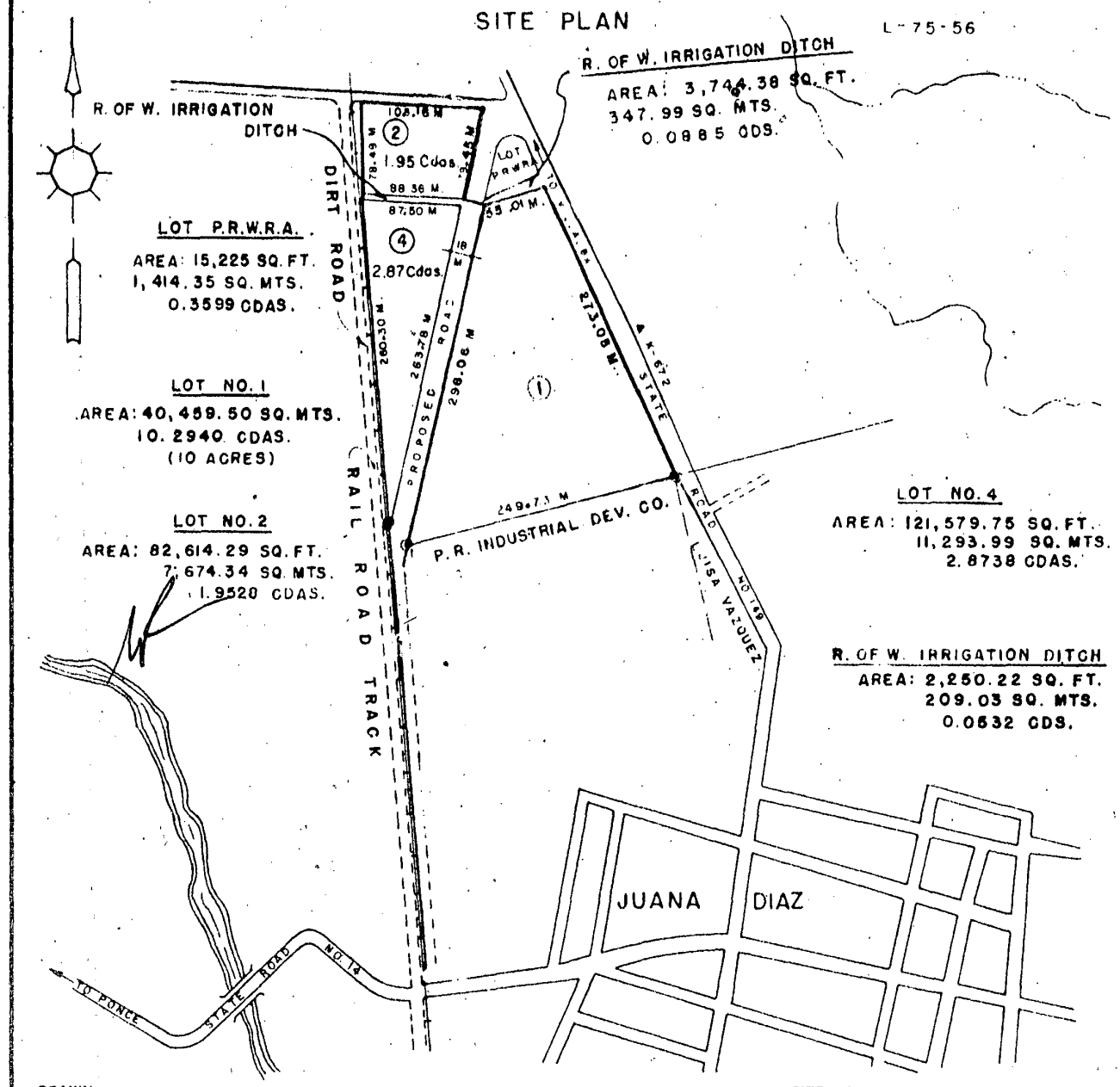
BY: Kenneth T. Burton
President

MUN. JUANA DIAZ
BARRIO URBAN ZONE

INDUSTRIAL SITE

DATE 12 JUNE 58.

NUMBER JD-2



DRAWN

CHECKED

SITE NO.

SCALE 1 : 5,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. – PLANNING DEPT. – SAN JUAN, P. R.

July 7, 1958
Amendment

July 21, 1958

Mr. D. A. Nettleton
GE Wiring Device Dept.
Providence, R. I.

Dear Dan:

Attached is signed copy of Amendment to Lease Contract changing the effective date from May 15, 1957 to September 1, 1957.

You wanted a signed copy for your files and will you return the unsigned copy that I sent you a few weeks ago so Bert Hamel will have a copy in his files here.

Regards,

KENNETH E. SUTTON

KES/dmi
Attachment

cc: B. F. Hamel

Berth
Our typed copy of original sent to Prudco
KS

SUPPLEMENT AND AMENDMENT TO LEASE
CONTRACT WITH OPTION TO PREMISES

Dan Roberts Prudco signed copy when w/ receive

This Agreement entered into by and between GENERAL ELECTRIC WIRING DEVICES, INC., (hereinafter referred to as Lesee) a corporation organized under the laws of the State of New York, and authorized to do business in Puerto Rico, and PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as Lessor), herein respectively represented by their duly authorized officers.

WITNESSETH THAT:

WHEREAS: On October 20, 1956 the parties hereto entered into a Construction and Lease Contract, (hereinafter referred to as the Contract) and the lease term thereunder was to become effective as of the first day of the month next following the date of beneficial occupancy of the building or after completion of said building but not later than May 15, 1957, and

WHEREAS: The construction of the said building was not completed until August 28, 1957.

NOW, THEREFORE: The parties hereto in consideration of the foregoing and of the terms, conditions and covenants hereinafter contained hereby agree to supplement and amend the Contract as follows:

ONE: The first sentence, of Paragraph numbered 2 of the Contract is hereby amended to read as follows:

> "The Lessor hereby leases to the Lessee and the Lessee hereby hires and takes on a lease from Lessor of the demised premises (the aforesaid landsite with one building and other improvements) for a period of ten (10) years effective on September 1st, 1957".

TWO: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with the terms hereof and shall remain in full force and effect as herein supplemented and amended.

Copy

SUPPLEMENT AND AMENDMENT TO LEASE
CONTRACT WITH OPTION TO PREMISES

IN WITNESS WHEREOF, the parties hereto execute this contract at San Juan, Puerto Rico on this 7th day of July 1958.

GENERAL ELECTRIC WIRING DEVICES, INC.

BY: _____ PRESIDENT
CHAIRMAN OF THE BOARD

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____

Copy

Site Purchase '87

GE_CARIBE001275

cc: Elaine Price

GE Lighting

J. G. Purdy
Manager-Puerto Rico Operations

Lighting Services
Caribe General Electric Products, Inc.
PO Box 1430, Juana Diaz, PR 00665
809 837-2500

March 29, 1993

Miss Karol Augsburger
GE RECO
1 River Road - Bldg. 36 - Rm 3W
Schenectady, New York 12345

Karol:

Hope this is what you and Edda need - if you need more assistance - please call.

Perry
J. PURDY

JP/tt

COPIA SIMPLE

On the same date of its execution I issued a first certified copy at the request of Caribe General Electric Products, Inc.----------

NOTARY PUBLIC

---NUMBER ONE HUNDRED TWENTY NINE (129)----------

----------DEED OF SALE----------

---At San Juan, Puerto Rico, this thirty -------

(30) day of December nineteen hundred eighty seven (1987).----------

----------BEFORE ME----------

---VIRGILIO MAINARDI PERALTA, attorney at-law and notary public for the Commonwealth of Puerto Rico, with residence at Río Piedras, Puerto Rico, and offices at Bayamón, Puerto Rico.----------

----------APPEAR----------

---AS PARTY OF THE FIRST PART: COMPAÑIA DE FOMENTO INSDUSTRIAL DE PUERTO RICO, a corporation duly organized under the laws of Puerto Rico, with employer social security number six six zero three eight hyphen seven five six seven (66038-7567), represented in this act by RAFAEL LUIS JAVIER SOSA, of legal age, married, property owner and resident of San Juan, Puerto Rico, hereinafter referred as SELLERS.----------

---AS PARTY OF THE SECOND PART: CARIBE GENERAL ELECTRIC PRODUCTS, INC., a corporation duly organized under the laws of Delaware, with employer social security number six six hyphen zero two six four six three nine (66-0264639) represented in this act by EDUARDO BUSO LOPEZ, of legal age, married, property owner and resident of San Juan, Puerto Rico, hereinafter referred as BUYERS.----------

---I, the Notary certify that I personally know the appearing parties and through their statements their personal circumstances. They assure me that they had the necessary legal capacity to perform this act; being in my

VIRGILIO MAINARDI PERALTA Puerto Rico ABOGADO - NOTARIO

judgment competent to execute this deed the freely:----------

----------SET FORTH----------

---FIRST: That the Sellers is the owner in fe simple of the property describe in the spanis language as follows:----------

---URBANA: Parcela de terreno identificado com el solar número cuatro (4) localizado en la zon urbana de Juana Díaz, Puerto Rico. Colinda po el Norte, con un canal de irrigación; por el Sur, con terrenos de la Cooperativa Higartúa de Juan Díaz; por el Este, con la vieja carretera númer ciento cuarenta y nueve (149) y por el Oeste, co terrenos propiedad de la Compañía Industrial d Puerto Rico, identificada como el solar númer tres (3) y más terrenos de la Compañía de Foment Industrial de Puerto Rico, separado para un calle. Tiene un área superficial de cuarenta mi setecientos sesenta punto cinco mil cuatrocientos cuarenta y siete metros cuadrados (40,760.5447 m.c.) equivalentes a diez cuerdas con tres mil setecientos seis diez milésimas de otra. Se segrega de la finca cuatro mil seiscientos sesenta (4,660) al Folio doscientos treinta y tres (233) del tomo ciento veinticinco (125) de Juana Díaz.----------

---Duly recorded in the Registrary of Property of Juana Díaz at page One Hundred Twenty Five (125), volume One Hundred Seventy Three (173), property number Five Thousand Eight Hundred Ninety Seven (5,897).----------

---SECOND: Seller acquired the aforementioned property in accordance with Deed of Sale Number Eight (8) dated June seventeen (17), nineteen hundred fifty nine (1959) before Notary Gustavo de Pedro.----------

---THIRD: The property is free at all of liens and encumbrances.----------

---FOURTH: The appearing parties have agreed to sell and purchase the aforementioned property subject to the following:----------

--------A) The Seller sells, assigns and transfers to the Buyers who purchases it, together with all of its rights, easements, interests, buildings and servitudes, without any

GE_CARIBE001278

limitation for the agreed and stipulated price c ONE HUNDRED SEVENTY SEVEN THOUSAND EIGHT HUNDRE FOURTEEN DOLLARS AND FORTY THREE CENT ($177,814.43), receipt of which sum is hereb admitted, acknowledged and confessed by th Seller thus releasing and discharging the Buye: forever thereform.----------

---FIFTH: The sale is made with all propert taxes assessed on the described property paid u to this date, and the Sellers hereby agrees wit the Buyer to make all the necessary payments on that account not heretofore made.----------

---SIXTH: On this same date Seller delivers possession of the subject property to Buyer who accept it on its present condition.----------

---SEVENTH: The appearing parties hereby state that the purchase and sale subject to this deed has been executed by seller in consideration and support of its industrialization program for the general welfare of Puerto Rico and in compliance with the public goals and purposes for which it was created by the Legislature of Puerto Rico. Furthermore, buyer states, recognizes and admits that the restrictions hereinafter imposed on the property sold are reasonable and necessary to comply with the aforementioned purposes and goals of the seller and have been voluntarily mutually agreed by the parties as a condition for said transaction.----------

-------A) Buyer agrees and blinds himself to use the Property for manufacturing operations for a minimum period of ten (10) years from the date of execution of this Deed. During such period of manufacturing utilization, buyer cannot sell,

VIRGILIO MAINARDI PERALTA ABOGADO - NOTARIO

EBL

lease, encumber or transfer the Property, in any other manner, in whole or in part, without the prior written consent of seller, which consent will not be unreasonable withheld. Such consent will not be necessary if the transfer is made to an affiliated corporation or subsidiary of buyer or if buyer encumbers the Property for the purpose of financing any extension to the building made pursuant to what is hereinafter provided, but in such case he will immediately notify the seller.----------

------B) If the buyer should, pursuant to what has been stated above, sell, lease or in any other manner transfers the Property, he will include, through the corresponding public document, all the obligations which he binds himself to in this Deed as obligations to be assumed by such subsequent buyer, lessee, user and other beneficiary of the Property.----------

---EIGHTH: The Buyer hereby accepts the sale, transfer and conveyance of the describe property subject to the agreements and sitpulations herein contained and both parties hereto accept this Deed finding its terms and conditions a true statement of their agreement.----------

----------ACCEPTANCE----------

---I, the Notary do hereby CERTIFY and ATTEST that the appearing parties: (a) were advised of the legal effects of this deed, (b) read and

VIRGILIO MAINARDI PERALTA NOTARIO

EBL

Notary CERTIFY and ATTEST as to everything stat
and contained in this deed.----------

VIRGILIO MAINARDI PERALTA
NOTARIO

THIS COPY IS FORWARDED BY
R. J. DANIELSON, SENIOR ENGINEERING OFFICER and
KAREN SEIKOVSKY, ENGINEERING TECHNICAL ASSISTANT
ARKWRIGHT MUTUAL INSURANCE COMPANY
301 MERRITT 7, P.O. BOX 5414
NORWALK, CT 06856-5414
(203) 849-0010
FAX (203) 845-7675

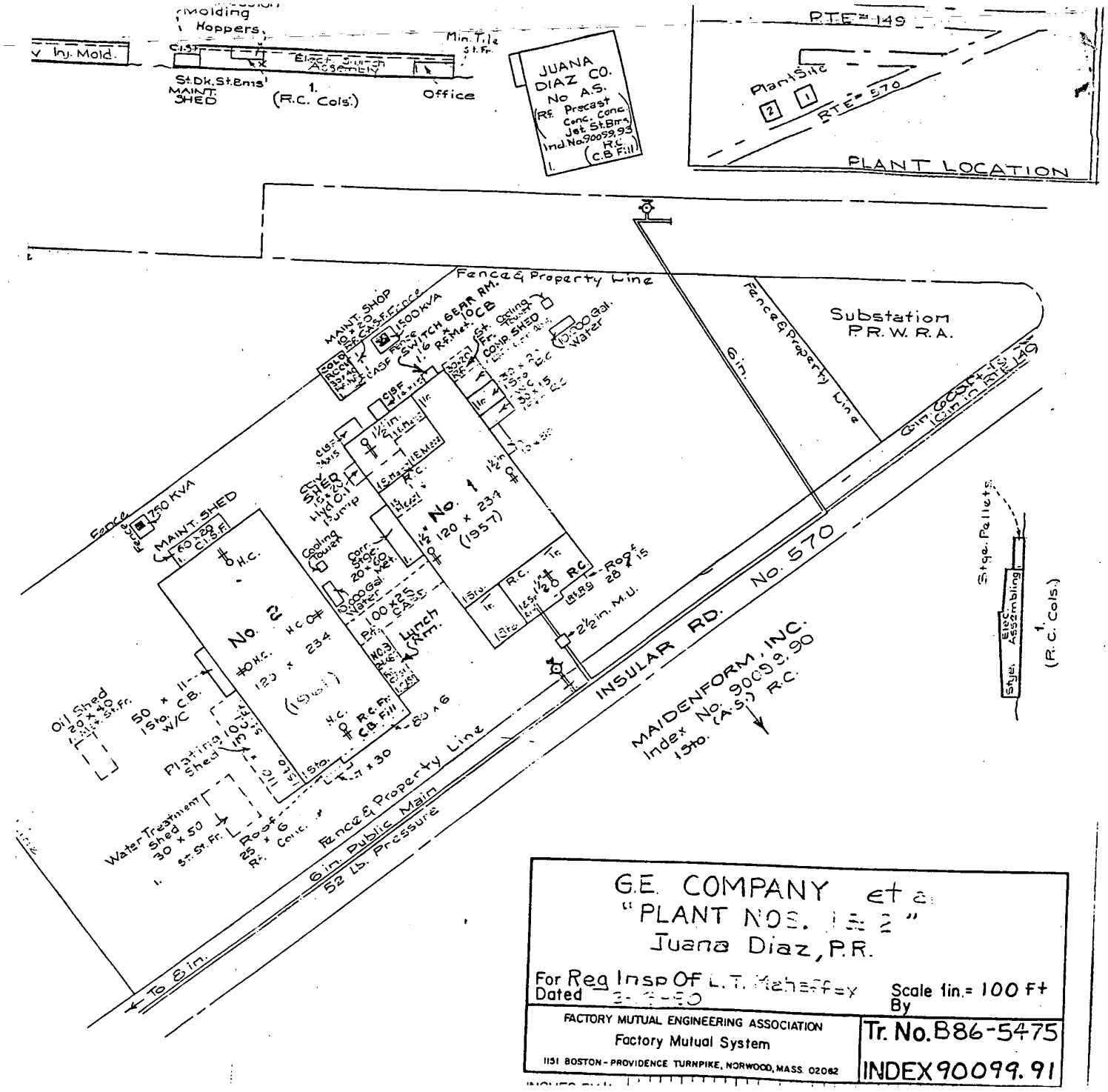
GE COMPANY ET AL
"PLANT NOS 1 & 2"
Rte 570 & Rte 149 (Near)
Juana Diaz, Puerto Rico 00665

CONFERENCE WITH

Mr. Fernando Maldonado, Facilities Manager
On February 13, 1990

REPORT BY	INDEX	ACCOUNT
L. T. Mahaffey	90099.91	2-33350

PLEASE ATTACH THE ACCOMPANYING DOCUMENT TO THE PREVIOUSLY ISSUED REPORT DESCRIBED ABOVE


Molding Hoppers
Inj. Mold.
Elect. Switch Assembly
St.Dk.St.Bms
MAINT. SHED
1. (R.C. Cols.)
Office
Min. Tile St.Fr.
JUANA DIAZ CO. No A.S.
Rf. Precast Conc. Conc. Jst. St.Bms
Ind. No. 90099.93 R.C. (C.B Fill)
RTE-149
Plant Site
RTE-570
PLANT LOCATION
Fence & Property Line
Substation P.R.W.R.A.
6 in.
Fence & Property Line
6 in. Cocoa Pt. 1 (10 in. in RTE 149)
Stge. Pellets
Elec. Assembling
1. (R.C. Cols.)
Stge.
No. 570
INSULAR RD.
MAIDENFORM, INC.
Index No. 90099.90
1 Sto. (A.S.) R.C.
No. 1
½ 120 x 234
(1957)
No. 2
120 x 234
(1961)
MAINT. SHOP
MAINT. SHED
750 KVA
1500 KVA
SWITCH GEAR RM.
Lunch Rm.
Cooling Tower
Oil Shed
Plating Shed
Water Treatment Shed
Roof
Fence & Property Line
6 in. Public Main
52 Lb. Pressure
To 8 in.
G.E. COMPANY et al
"PLANT NOS. 1 & 2"
Juana Diaz, P.R.
For Reg Insp Of L.T. Mahaffey
Dated
Scale 1in.= 100 Ft
By
FACTORY MUTUAL ENGINEERING ASSOCIATION
Factory Mutual System
1151 BOSTON - PROVIDENCE TURNPIKE, NORWOOD, MASS. 02062
Tr. No. B86-5475
INDEX 90099.91

BUILDING NO. 1

OFFICE AREA	120	X	37	=	4,440
MANUFACTURING AREA	120	X	150	=	18,000
NEW SWITCHGEAR AREA	17	X	12	=	204
REST ROOMS	10	X	50	=	500
* COLD ROOM	30	X	40	=	1,200
MOLDING ROOM	120	X	60	=	7,200
QC LABORATORY	20	X	32	=	640
CORRUGATED SHED	23	X	75	=	1,725
POWDER MEZZANNINE	40	X	60	=	2,400
WHEELABRATOR ROOM	18	X	30	=	540
OFFICE/UPSTAIRS AREA	37	X	40	=	1,480
BRASS SCRAP AREA	20	X	15	=	300
SUBTOTAL					38629

BUILDING NO. 2

MANUFACTURING AREA	247	X	120	=	29,640
REST ROOMS	10	X	50	=	500
PLATING AREA	23	X	112	=	2,576
CORRUGATED SHED	25	X	74	=	1,850
MAINTENANCE SHED	80	X	24	=	1,920
LOADING DOCK	19	X	100	=	1,900
SUBTOTAL					38386

GUARD HOUSE	10X10	100
Chemical Lab + Storage	38X20	760
total space available		77775

GENERAL ELECTRIC

REAL ESTATE AND CONSTRUCTION OPERATION
GENERAL ELECTRIC COMPANY • 1 RIVER ROAD • SCHENECTADY, NEW YORK 12345 • (518) 385-2211

August 27, 1987

D.W. Stoskopf
General Electric Company
Wiring Device Department
225 Service Avenue - Box 1050
Warwick, RI 02866

Re: PAR #JD87-22
Juana Diaz, Puerto Rico
Investment $187,715

Dear D.W. Stoskopf:

The captioned A/R requests authorization for Wiring Device Department to acquire its two (2), leased manufacturing buildings totaling 61,912 SF and situated on approximately ten acres in Juana Diaz, Puerto Rico.

By the terms of the current lease, which expires on August 31, 1987, Wiring Device Department reportedly has an option to acquire these demised premises at a total cost estimated at $187,715. Alternatively, Wiring Device Department's lease could be extended for an additional period at an annual cost of $99,059.

Wiring Device Department has elected to purchase these premises. The resulting DCRR is 52.8% with a 2.5 year payback period.

The Real Estate Services Operation (RESO) has reviewed the captioned A/R and endorses the acquisition of the property subject to mandatory environmental review and approval by Corporate Environmental Programs, and legal review of the option to purchase, contained in the lease.

Very truly yours,

Stephen T. Wahn
Manager-Assigned Real Estate Projects

STW/tph
2011D22

cc: A.L. Kaplan
E.J. McCaffery
R.E. Schlegel

GENERAL ELECTRIC

LIGHTING BUSINESS GROUP
GENERAL ELECTRIC COMPANY • NELA PARK • CLEVELAND, OHIO 44112 • (216) 266-

September 4, 1987

D. M. Flatt, General Manager
Wiring Device Department

Subject: Purchase of Manufacturing Site in Juana Diaz, P.R.

There is no legal objection or concern with respect to environmental conditions raised by the proposed purchase of Wiring Device Department Manufacturing facility in Juana Diaz.

This facility has been exclusively used by GE and has not been previously used by others for manufacturing or waste disposal. The condition of the site has been thoroughly reviewed and there is no environmental contamination other than that which originated with GE. Under these circumstances, there does not seem to be any significant potential for liability beyond that which GE presently has.

Furthermore since we are in the process of determining remedial actions at the site, a purchase will remove the complicating factor of making modifications to someone else's property. The purchase will also obviate future claims of the owner for any reduction in value of the property caused by the contamination or the remedial actions.

Very truly yours,

Michael A. Lamanna

MAL/cf

GENERAL ELECTRIC
GENERAL ELECTRIC COMPANY
FAIRFIELD, CONNECTICUT 06431

THOMAS M. HELLMAN
MANAGER - HEALTH, SAFETY & ENVIRONMENTAL PROTECTION

(203) 373-3563

August 18, 1987

Arthur Kaplan
LBG
Nela Park
Cleveland, OH 44112

Dear Art:

SUBJECT: PURCHASE OF MANUFACTURING SITE ON JUANA DIAZ, PUERTO RICO

Based on your letter of August 3, 1987 and our discussion on the subject, CEP approves the proposed purchase.

Sincerely,

Tom

TMH:ls
cc: SB Hettig
DW Stoskopf

PAR#: JD87-22

PROJECT SUMMARY

The facilities that we currently occupy in Juana Diaz, Puerto Rico consist of 2 buildings totaling 61,912 sq. ft. situated on approximately 10 acres of land leased from PRIDCO (Puerto Rico Industrial Development Company). Building #1 was built in 1956 and Building #2 was built in 1960.

Terms of the existing lease which expires on 8/31/87 include an annual charge of $14,695, and an option to purchase the existing facilities at the depreciated value of the buildings ($127,050 as of 7/1/87) plus $42,000 for the land for a total purchase price of $169,050. Under the terms of a contract renewal lease, the annual charge would increase by $84,365 to $99,059.

As owners of the facility, increased costs for Caribe GE, Inc. would be limited to an estimated $4000.00 annually for real estate taxes. Exercising the option to purchase would result in a payback period of 2.4 years and a DCRR of 52.8% using US Tax Rates. When favorable Puerto Rican Tax Rates are considered a shorter payback of 1.8 years and an improved DCRR of 77.8% results.

GE Wiring Devices has operated in the Juana Diaz location for 30 years and also operates a plant in the nearby city of Ponce under common management. The current plans are for continued manufacture at this location for the indefinite future to take advantage of the Puerto Rican labor market, low taxes and Caribbean Basin initiative incentives.

The manufacturing facility in Juana Diaz, Puerto Rico being proposed for purchase has been subjected to a thorough environmental impact review. The results of this review demonstrate that there are no significant environmental concerns except for an area on the site filled with waste materials from earlier manufacturing activities. These materials included mercury used in the manufacture of mercury switches between 1959 and 1969. We are presently determining the remedial actions required for this landfill under a consent agreement with the U. S. Environmental Protection Agency.

We believe that purchase of this property will not increase, but in fact would decrease General Electric's future liability relative to this condition. In fact, the purchase should simplify GE's completion of the remedial work there. Environmental conditions which are under current review remain the responsibility of the GE Co. irrespective of lease or purchase.

DEVICE DEPARTMENT abbraviated
PLANT APPROPRIATION REQUEST (PAR) Job. No._____ No. JD87-22

1. Consumer Products ..... Sector
Lighting Business ..... Group
Lamp Products ..... Division
Wiring Device ..... Department
All ..... Product Line
Juana Diaz, Puerto Rico ..... Project Location

APPROVAL REQUIRED
Department General Manager .....

(Amounts in dollars)

2. SUMMARY DESCRIPTION OF PROPOSED PROJECT

Exercise option to purchase Juana Diaz plant facility (Buildings #1 and #2 and land).

3. PROJECT EXPENDITURES

	This request	Previously approved	Future requests	Total project
Basis for approval	$187,715			$187,715
Related expense				
Total	$187,715			$187,715

4. KEY FINANCIAL MEASUREMENTS

US TAX RATES

	Reported	Inflation Adjusted
DCRR	52.8%	___%
Payback period (years)	2.4	___

At P.R. Tax Rates

DCRR	77.8%	--

Chart of cumulative funds flow

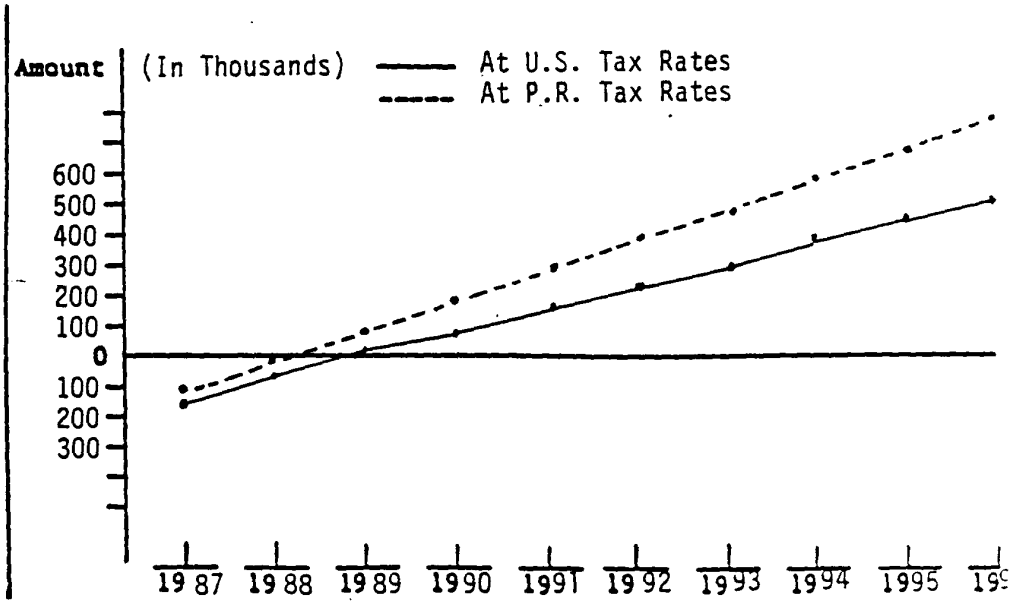


Exhibit A
Page 1 of 3

	This request	Previously approved	Future requests	Total project
Investment expenditures.....	$187,715			$187,715
Associated deferred charges.....				
Lease commitments not capitalized plus lease related expenses.....				
Sub-total - Basis for approval.....	$187,715			$187,715
Patterns and tooling.....				
All other related expense.....				
Grand total.....	$187,715			$187,715

As a memo:

All other starting costs.....	
Trade-in value of surplus equipment.....	

8. CATEGORY(S):

	Total	Investment	Expense
Category V	$187,715	$187,715	
Category VII (if applicable)			
Total, this request	$187,715	$187,715	

9. ESTIMATED GAIN (LOSS) IN NET INCOME TO OTHER G.E. COMPONENTS:

	2 calendar years following project completion	
	19__	19__

N O T A P P L I C A B L E

STARTING DATE.....7/87..... month/year

COMPLETION DATE.....12/87..... month/year

10. FACILITY TO BE REPLACED

First cost.....
Year purchased.....
Book value.....

Description of facility and proposed disposition

None

UTILIZATION ANTICIPATED IN FIRST YEAR AFTER PROJECT COMPLETION - 19.... .....%

Basis.....N/A.....

13. NUMBER OF EMPLOYEES Location None

	Before	After	Before	After
Manufacturing				
All other				
Total				

Exhibit A
Page 2 of 3

14. PERFORMANCE ON CLOSED APPROPRIATIONS

	Appropriations past 3 years -a)		
		Project incremental net income	
	Total expenditures	1st year	2nd year
Forecast -b)			
Actual	N O T	A P P L I C A B L E	
VF% -c)			

	Board appropriations past 5 years		
		Project incremental net income	
	Total expenditures	1st year	2nd year
Forecast -b)			
Actual	N O T	A P P L I C A B L E	
VF% -c)			

(a- Sector Executive approval and above
(b- In appropriation requests
(c- Variance from forecast

15. PRINCIPAL COMPETITORS

Name	Estimated rank or market position	
	This year	Last year
N/A		

16. APPROPRIATION ENDORSED AND SUPPORTING FINANCIAL DATA CERTIFIED BY

L. R. Heslin 7/21/87
Manager-Finance

Appropriation endorsed or approved by

J. B. Poland 7/17/87

D. W. Stoskopf 7/17/87

R. E. Jenison 7/17/87
Financial Reviewer

W. S. Burns 7/24/87
Manager-Employee Relations

E. B. Miller 7/
Manager-Engineering

J. L. Greenlee 7/17/
Manager-Manufacturing

D. L. Hilderley 7/21/87
Manager - Marketing

Manager-Strategic/Operational Planning

D. M. Flatt 7/21/87
Department General Manager Date

GE_CARIBE001292

September 8, 1987

Bob Schauseil

Subject: PAR JD87-22 (Exercise Option to Purchase Juana Diaz Facility)

Enclosed are copies of the following:

-PAR87-22: Exercise Option to Purchase Juana Diaz Facility

-Review letters from Messrs. Wahn, Lamanna, Hellman, and Burns.

As we agreed today, I'll keep the original documents until the transaction is completed and then forward them to you.

For your information, the appropriation cash flow assumes unamortized leasehold will not be written off when the lease is terminated and the facility purchased. I spoke with Dom De Fabio (LBG Fixed Asset Accounting, 8-346-4554) concerning this matter on July 16th. He reviewed the question with Russ Graves from Corporate Accounting Services. Mr. Graves indicated that since the Juana Diaz plant was a direct connect with WDD and the facility purchase would have no impact on the method operation, leasehold cost should continue to be amortized over the same period as originally scheduled.

Dick

R. E. Jenison

'87 14 A9:01

INCREMENTAL FUNDS FLOW WORKSHEET

US Tax Rates

(in thousands)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
REPORTED FUNDS FLOW										
Incremental increase/decrease* in net income resulting from the project based on:										
Cost reductions	22.6	68.3	67.5	66.6	65.8	65.0	64.1	63.2	63.2	63.2
Incremental volume										
Changes in average selling price										
Investment credit										
Total-a)	22.6	68.3	67.5	66.6	65.8	65.0	64.1	63.2	63.2	63.2
Provision for incremental depreciation expense.	8.4	15.4	14.0	12.6	11.2	9.8	8.4	7.0	7.0	7.0
Increased*/decreased incremental investment in:										
Plant and equipment-b)	187.7*									
Inventories										
Receivables										
All other										
Reported annual funds flow	156.7*	83.7	81.5	79.2	77.0	74.8	72.5	70.2	70.2	70.2
Reported cumulative funds flow	156.7*	73.0*	8.5	87.7	164.7	239.5	312.0	382.2	452.4	522.6
INFLATION ADJUSTED FUNDS FLOW										
Reported annual funds flow										
CPIU (1st year of investment = 100.0)										
Inflation adjusted annual funds flow										
Inflation adjusted cumulative funds flow										

Residual investment value at the end of funds flow period: Reported 52.8% Inflation adjusted _____

(a- Must agree with incremental net income as shown in Section 6 (c) of Exhibit A.

(b- Gross expenditures only, exclusive of provision for depreciation expense.

EXHIBIT B

GE_CARIBE001294

DETAILS OF EXPENDITURES

Period of expenditures (In dollars)

Year	Total	Investment	Expense: Tooling	Expense: All Other
1987	$170,650	$170,650		
19				
19				
19				
19				
19				
19				
19				
Total	170,650	170,650		
Contingencies	17,065	17,065		
Grand total	$187,715	$187,715		

Accounting distribution

Account number	Description	Amount
201	Land	$ 46,200
203	Grading and Other Land Acquisition Costs	1,760
205	Buildings	139,755
	Total gross expenditures (including contingencies)	$187,715

EXHIBIT C
Page 1 of 2

PAR

DETAILS OF EXPENDITURES

Details by item	Total	Investment	Expense: Tooling	Expense: All Other
- Exercise Option to Purchase Land and Buildings				
- Buildings	$127,050	$127,050		
- Land	42,000	42,000		
- Closing Fees: Notory, Property Deed, Legal and Title Search	1,600	1,600		
Sub total	170,650	170,650		
Contingency	17,065	17,065		
TOTAL	$187,715	$187,715		

MEMO:

HIGHER ANNUAL OPERATING EXPENSES FOR PROPERTY TAXES ($4,000.00)

PAP

GE_CARIBE001296

****
BUY VS LEASE JUANA DIAZ FACILITY
FUNDS FLOW @ US TAX RATE
****

****
FUNDS FLOW DETAILS
****

	1987 4 MOS	1988	1989	1990	1991	1992	1993	1994	1995	1996
INCREMENTAL IMPACT ON NET INCOME										
-BUILDING LEASE	33.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
-DEPRECIATION: BUILDING	8.4	15.4	14.0	12.6	11.2	9.8	8.4	7.0	7.0	7.0
-PROPERTY TAXES	-1.3	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0
CHANGE IN OPERATIONS	40.2	110.5	109.1	107.7	106.3	104.9	103.5	102.1	102.1	102.1
TAXES										
US INCOME TAX 1'87 @ 40%/AFTER @ 34%)	16.1	37.6	37.1	36.6	36.1	35.7	35.2	34.7	34.7	34.7
INCOME AND FRANCHISE @ 6.3%	1.5	4.6	4.5	4.5	4.4	4.2	4.2	4.2	4.2	4.2
TOTAL TAXES	17.6	42.2	41.6	41.1	40.5	39.9	39.4	38.9	38.9	38.9
INCREMENTAL IMPACT ON NET INCOME	22.6	68.3	67.5	66.6	65.8	65.0	64.1	63.2	63.2	63.2
FUNDS FLOW										
INCREMENTAL IMPACT ON NET INCOME	22.6	68.3	67.5	66.6	65.8	65.0	64.1	63.2	63.2	63.2
ADD DEPRECIATION - NON CASH ITEM	8.4	15.4	14.0	12.6	11.2	9.8	8.4	7.0	7.0	7.0
LAND AND BUILDING	-187.7									
CASH FLOW: CURRENT YEAR	-156.7	83.7	81.5	79.2	77.0	74.8	72.5	70.2	70.2	70.2
CUMULATIVE	-156.7	-73.0	8.5	87.7	164.7	239.5	312.0	382.2	452.4	522.6

DCRR: 52.8 % PAYBACK: 2.4 YEARS

****
BUY VS LEASE JUANA DIAZ FACILITY
FUNDS FLOW @ PR TAX RATE
****

	1987 4 MOS	1988	1989	1990	1991	1992	1993	1994	1995	1996
INCREMENTAL IMPACT ON NET INCOME										
-BUILDING LEASE	33.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
-DEPRECIATION: BUILDING	8.4	15.4	14.0	12.6	11.2	9.8	8.4	7.0	7.0	7.0
-PROPERTY TAXES	-1.3	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0
CHANGE IN OPERATIONS	40.2	110.5	109.1	107.7	106.3	104.9	103.5	102.1	102.1	102.1
TAXES										
PR INCOME TAX 14.5% @ 75% EXEMPT)	4.5	12.4	12.3	12.1	12.0	11.8	11.6	11.5	11.5	11.5
TOLLGATE @ 3.5%	1.2	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.2
TOTAL TAXES	5.7	15.8	15.7	15.4	15.3	15.1	14.8	14.7	14.7	14.7
INCREMENTAL IMPACT ON NET INCOME	34.5	94.7	93.4	92.3	91.0	89.8	88.7	87.4	87.4	87.4
FUNDS FLOW										
INCREMENTAL IMPACT ON NET INCOME	34.5	94.7	93.4	92.3	91.0	89.8	88.7	87.4	87.4	87.4
ADD DEPRECIATION - NON CASH ITEM	8.4	15.4	14.0	12.6	11.2	9.8	8.4	7.0	7.0	7.0
LAND AND BUILDING	-167.7									
CASH FLOW: CURRENT YEAR	-144.8	110.1	107.4	104.9	102.2	99.6	97.1	94.4	94.4	94.4
CUMULATIVE	-144.8	-34.7	72.7	177.6	279.8	379.4	476.5	570.9	665.3	759.7

DCRR: 77.6 % PAYBACK: 1.8 YEARS

EXHIBIT D

PAR#: JD87-22

DCRR

DCRR WITH US TAX RATES

YEAR	QTR.	CASH FLOW BY QUARTER-YEARS DURING PER.	END-OF-PER.	TOTAL CF	CUMULATIV CASH FLOW
0	1	0.0	0.0	0.0	0.0
	2	0.0	0.0	0.0	0.0
	3	-179.9	0.0	-179.9	-179.9
	4	23.2	0.0	23.2	-156.7
	TOTAL	-156.7	0.0	-156.7	-156.7
1	TOTAL	83.7	0.0	83.7	-73.0
2	TOTAL	81.5	0.0	81.5	8.5
3	TOTAL	79.2	0.0	79.2	87.7
4	TOTAL	77.0	0.0	77.0	164.7
5	TOTAL	74.8	0.0	74.8	239.5
6	TOTAL	72.5	0.0	72.5	312.0
7	TOTAL	70.2	0.0	70.2	382.2
8	TOTAL	70.2	0.0	70.2	452.4
9	TOTAL	70.2	86.9	157.1	609.5

ZERO-INTEREST BREAK-EVEN POINT: 2.40 YEARS
FIRST CASH FLOW IS AT THE START OF 3RD QTR OF YR 0

EFFECTIVE DCRR: 52.79%

DCRR WITH PR TAX RATES

YEAR	QTR.	CASH FLOW BY QUARTER-YEARS DURING PER.	END-OF-PER.	TOTAL CF	CUMULATIV CASH FLOW
0	1	0.0	0.0	0.0	0.0
	2	0.0	0.0	0.0	0.0
	3	-177.0	0.0	-177.0	-177.0
	4	32.2	0.0	32.2	-144.8
	TOTAL	-144.8	0.0	-144.8	-144.8
1	TOTAL	110.1	0.0	110.1	-34.7
2	TOTAL	107.4	0.0	107.4	72.7
3	TOTAL	104.9	0.0	104.9	177.6
4	TOTAL	102.2	0.0	102.2	279.8
5	TOTAL	99.6	0.0	99.6	379.4
6	TOTAL	97.1	0.0	97.1	476.5
7	TOTAL	94.4	0.0	94.4	570.9
8	TOTAL	94.4	0.0	94.4	665.3
9	TOTAL	94.4	86.9	181.3	846.6

ZERO-INTEREST BREAK-EVEN POINT: 1.82 YEARS
FIRST CASH FLOW IS AT THE START OF 3RD QTR OF YR 0

EFFECTIVE DCRR: 77.80%

EXHIBIT E

GENERAL ELECTRIC

PUERTO RICO OPERATIONS
GENERAL ELECTRIC COMPANY • P.O. BOX 1552 • SAN JUAN, PUERTO RICO 00903 • (809) 725-2966

August 13, 1987

Mrs. Maria Teresa Ocasio
Puerto Rico Industrial Development Company
GPO Box 2350
San Juan, PR 00936

Dear Mrs. Ocasio:

I'm enclosing copy of documents requested in connection with the "cost certification" for Building S-554-60 and site plans of the 10.3706 (cds) lot. I hope this will enable you to establish cost of purchase according to the formula on the contract.

Many thanks for your interest on the matter.

Cordially yours,

Emilio A. Casellas

EAC/gc

xc E. L. Busó

Enclosures

NO. 58

MUN. JUANA DIAZ

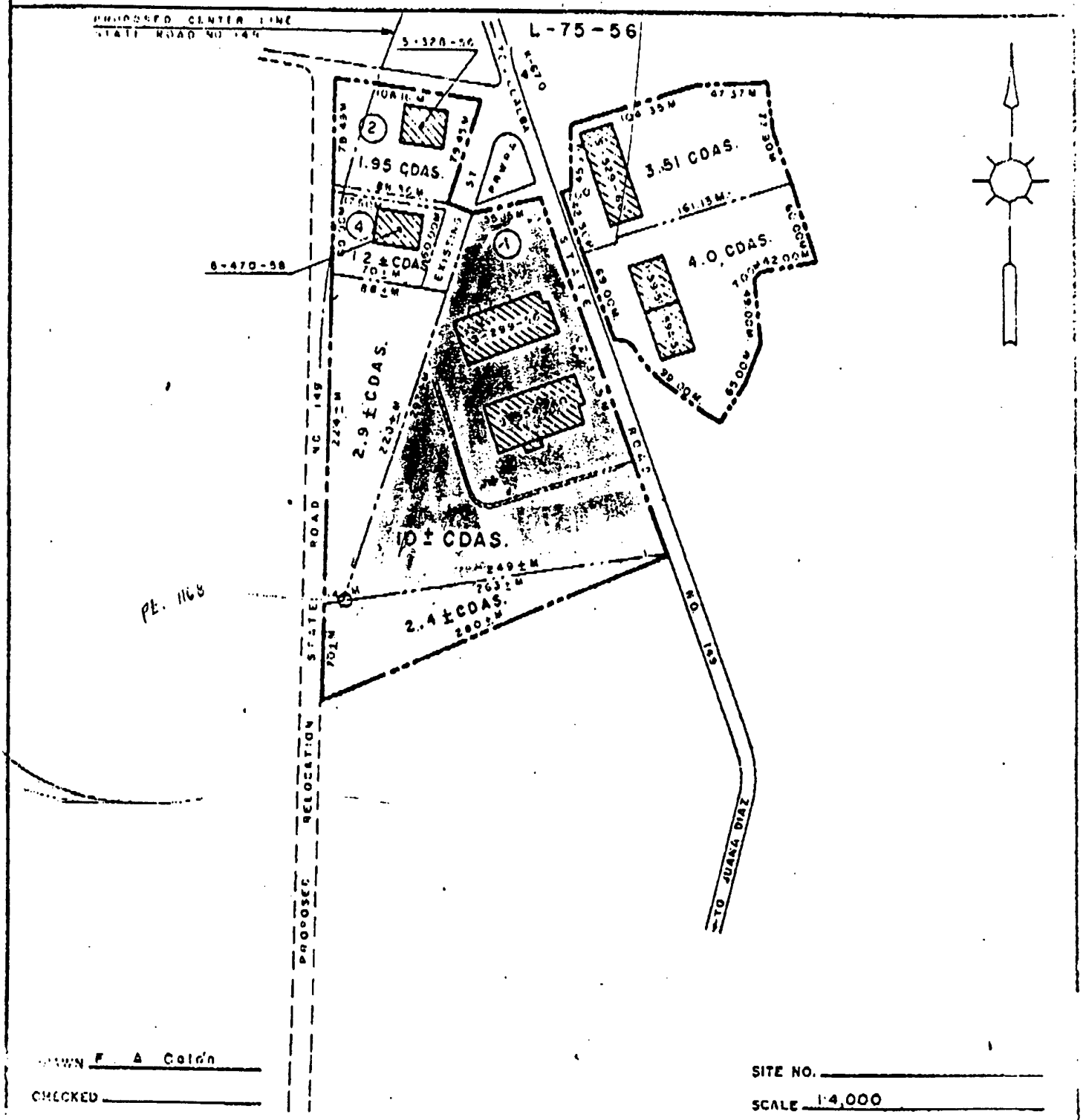
BARRIO URBAN ZONE

INDUSTRIAL SITE

SITE PLAN

DATE DIC 21, 1960.

NUMBER JD-2



DRAWN F. A. Colón

CHECKED

SITE NO.

SCALE 1:4,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. - PLANNING DEPT. - SAN JUAN, P.R.

GE_CARIBE001300

MUN. JUANA DIAZ
BARRIO URBAN ZONE

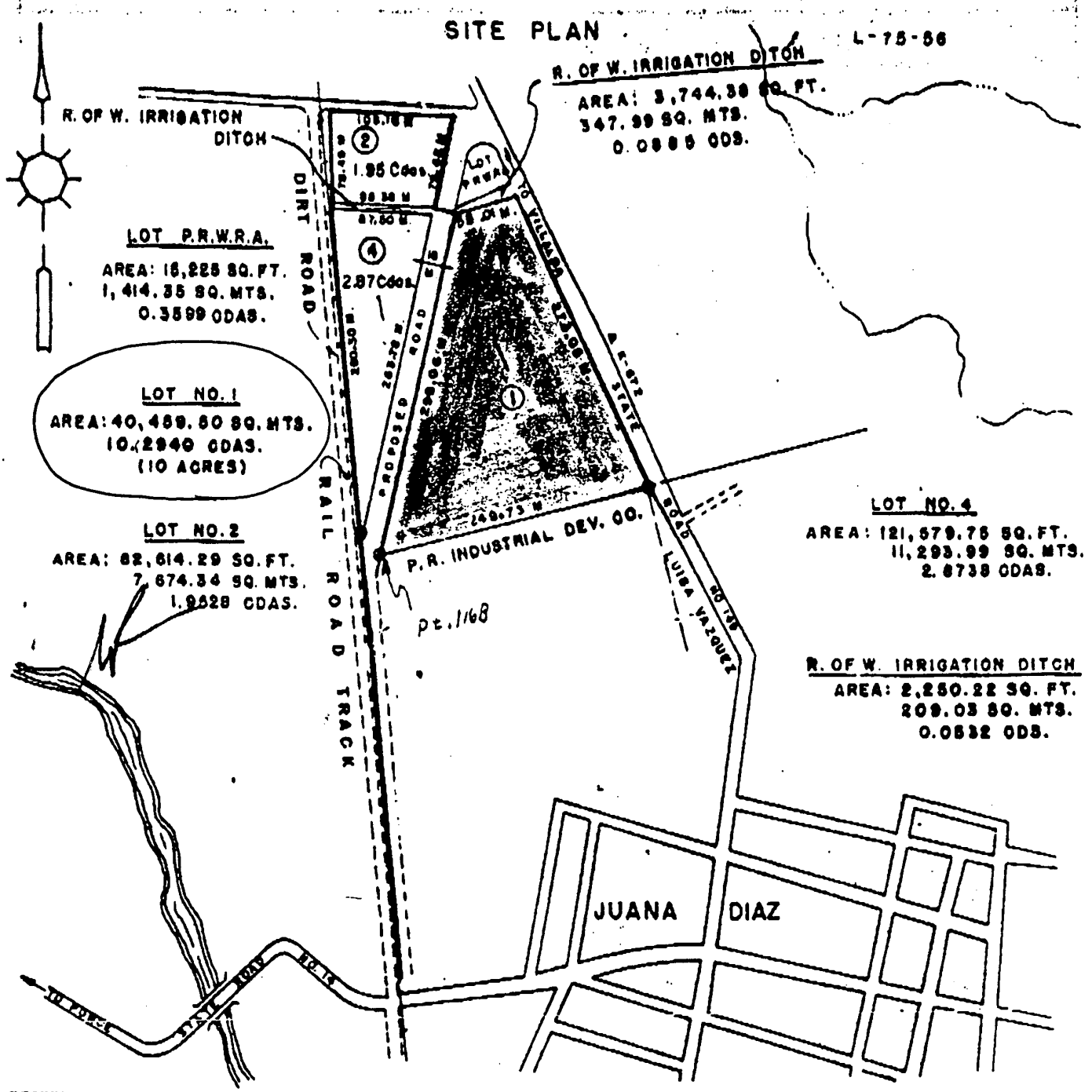
INDUSTRIAL SITE

DATE 12 JUNE 58.

NUMBER JD-2

SITE PLAN

L-75-56



DRAWN

CHECKED

SITE NO.

SCALE 1 : 5,000
1" = 127 M = 415'

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. – PLANNING DEPT. – SAN JUAN, P.R.

1/16" = 8 M = 26'

TORENE 177

GE_CARIBE001301

SUPPLEMENT AND AMENDMENT TO LEASE WITH OPTION TO PURCHASE PREMISES

NOW COME the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC WIRING DEVICES, INC. (hereinafter referred to as the "Lessee"), herein respectively represented by their duly authorized officers and agree to supplement and amend a certain "Lease With Option to Purchase Premises" entered into by them on October 20, 1956, supplemented and amended on July 7, 1958, July 13, 1959 and February 26, 1962 (hereinafter collectively referred to as the "Contract") in the following respects:

ONE: Anything contained in the Contract to the contrary notwithstanding, the description of the landsite covered thereby, and encumbrances thereon, is as follows:

"Parcel of land (Lot No. 4) located at Juana Díaz Industrial Subdivision, Juana Díaz, Puerto Rico.

It bounds by the North with an irrigation ditch and with a paved street of same industrial area; by the South with land owned by Juana Díaz Housing Cooperative, by the East with old State Road No. 149; and by the West lot No. 3 of same industrial area.

It has a surface area of 40,760.5447 square meters equivalent to 10.3706 "Cuerdas".

TWO: The Lessor further agrees that it will promptly stake out the new boundary of the leased property and also construct a suitable fence along the boundary lines thereof at its expense.

THREE: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with the terms hereof and shall remain in full force and effect as herein supplemented and amended.

IN WITNESS WHEREOF, the parties hereto execute this Contract at San Juan, Puerto Rico, this 17th day of AUGUST 1971

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____

GENERAL ELECTRIC WIRING DEVICES, INC.

BY: J. E. Bracley, Jr.

TOTAL P.09

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF STATE
SAN JUAN, PUERTO RICO

CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT: No. 9077-F.

CARIBE GE PLATING, INC.

a corporation organized under the laws of **Delaware** has filed on **December 15, 1993** in the Department of State of Puerto Rico the instruments required by Section 1401 of the General Corporation Law for the Commonwealth of Puerto Rico, approved January 9, 1956.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of the Commonwealth of Puerto Rico, at the City of San Juan, this 20th day of December, A.D., nineteen ninety three.

Lourdes I. de Pierluisi
Assistant Secretary of State

H-0405312

WDP
8/17/82

Facility Name: General Electric - WIRING DEVICES OF PUERTO RICO
Rd 149 Km 67.2

Location: Juana Diaz, Puerto Rico

EPA Region: II

Person(s) in Charge of the Facility: WAYNE PIERRE (EPA)
LUZ V. GARCIA (EQB)

Name of Reviewer: Dave Lipsky (FIT) Date: 8/4/82

General Description of the Facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

Active Industrial facility manufacturing mercury light switches. Company has an approximately 0.5 acre inactive open dump site where off-spec products containing metallic mercury were dumped. GE property is built on 5 acres. The company has already obtained the services of a consultant(Law engineering) to determine the extent of contamination the degree of ground water and soil contamination, remedial actions. The consultant has produced two reports describing the extent of the contamination and evidence that a continous thick clay layer underlies the dump site. Most of the dump site and the plant property is fenced off. Some small amount of outlying debris is accessible near the fence line. The plant is built just on the outskirts of the town and within 1200 feet of a public supply well.

Scores: S_M =42.40 (S_{gw} =73.08 S_{sw} = 6.38 S_a = 0)

S_{FE} = 0

S_{DC} = 20.83

HRS COVER SHEET

GROUND WATER ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	0 45	1	45	45	3.1
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					3.2
Depth to Aquifer of Concern	0 1 2 3	2		6	
Net Precipitation	0 1 2 3	1		3	
Permeability of the Unsaturated Zone	0 1 2 3	1		3	
Physical State	0 1 2 3	1		3	
	Total Route Characteristics Score			15	
3 Containment	0 1 2 3	1		3	3.3
4 Waste Characteristics					3.4
Toxicity/Persistence	0 3 6 9 12 15 18	6	18	18	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	1	8	
	Total Waste Characteristics Score		19	26	
5 Targets					3.5
Ground Water Use	0 1 2 3	3	9	9	
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 ~~35~~ 40	1	40	40	
	Total Targets Score		49	49	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			41895	57,330	
7 Divide line 6 by 57,330 and multiply by 100	S_{gw} = 73.08				~~73%~~

SURFACE WATER ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	0 45	1	0	45	4.1
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					4.2
Facility Slope and Intervening Terrain	0 1 2 3	1	0	3	
1-yr. 24-hr. Rainfall	0 1 2 3	1	3	3	
Distance to Nearest Surface Water	0 1 2 3	2	6	6	
Physical State	0 1 2 3	1	3	3	
Total Route Characteristics Score			12	15	
3 Containment	0 1 2 3	1	3	3	4.3
4 Waste Characteristics					4.4
Toxicity/Persistence	0 3 6 9 12 15 18	1	18	18	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			19	26	
5 Targets					4.5
Surface Water Use	0 1 2 3	3	6	9	
Distance to a Sensitive Environment	0 1 2 3	2	0	6	
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 / 12 16 18 20 / 24 30 32 35 40	1	0	40	
Total Targets Score			6	55	
6 If line 1 is 45, multiply 1 x 4 x 5 / If line 1 is 0, multiply 2 x 3 x 4 x 5			4104	64,350	
7 Divide line 6 by 64,350 and multiply by 100 S_{sw} =			6.38		

AIR ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	0 45	1		45	5.1
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the S = 0. Enter on line 5. If line 1 is 45, then proceed to line 2.					
2 Waste Characteristics					5.2
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
3 Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
4 Multiply 1 x 2 x 3				35,100	
5 Divide line 4 by 35,100 and multiply by 100	S_a = 0				

	S	S^2
Groundwater Route Score (S_{gw})	73.08	5329 40.24
Surface Water Route Score (S_{sw})	6.38	40.70 67
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		5369.70 80.91
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		73.28 35
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		42.36 40

FIGURE 10
WORKSHEET FOR COMPUTING S_M

FIRE AND EXPLOSION WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Containment	1 3	1		3	7.1
2 Waste Characteristics					7.2
Direct Evidence	0 3	1		3	
Ignitability	0 1 2 3	1		3	
Reactivity	0 1 2 3	1		3	
Incompatibility	0 1 2 3	1		3	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score				20	
3 Targets					7.3
Distance to Nearest Population	0 1 2 3 4 5	1		5	
Distance to Nearest Building	0 1 2 3	1		3	
Distance to Sensitive Environment	0 1 2 3	1		3	
Land Use	0 1 2 3	1		3	
Population Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Buildings Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Total Targets Score				24	
4 Multiply 1 x 2 x 3				1,440	
5 Divide line 5 by 1,440 and multiply by 100 S_{FE} =					

DIRECT CONTACT WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Incident	0 45	1	0	45	8.1
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 3	1	1	3	8.2
3 Containment	0 15	1	15	15	8.3
4 Waste Characteristics Toxicity	0 1 2 3	5	15	15	8.4
5 Targets					8.5
Population Within a 1-Mile Radius	0 1 2 3 4 5	4	20	20	
Distance to a Critical Habitat	0 1 2 3	4	0	12	
Total Targets Score			20	32	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			4500	21,600	21
7 Divide line 6 by 21,600 and multiply by 100	S_{DC} = ~~21~~ 20.83				

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: Wiring devices of Puerto Rico
GE Co.

LOCATION: Juana Diaz, P.R.

GROUND WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

Mercury (1, 2, 11)
Phenol

→ See Bibliography

Rationale for attributing the contaminants to the facility:

1. Contaminants found on site
2. Co. manufactures Hg light switches

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern: (3)

A. Pleistocene and/or Recent Alluvial Deposits; sand, silt, clay, and gravel flood plain and terrace deposits
B. Ponce Limestone lower member: thin to medium bedded limestone locally massive, some beds of shale and sandstone.
C. Juana Diaz Formation, shale, sandy limestone, sandy conglomerate.

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

(1)(4)
20 feet

Depth from the ground surface to the lowest point of waste disposal/storage: 3.5 (1) feet

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Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

50.34" (Ponce STA) (8)

Mean annual lake or seasonal evaporation (list months for seasonal):

76.29" (Ponce STA)

Net precipitation (subtract the above figures):

— 26"

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Silty Clay (1,2)

Permeability associated with soil type:

$10^{-7} - 10^{-8}$ cm/sec

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Solid plastics
Liquid Hg^0

* * *

GE_CARIBE001313

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:
UNLined ~~Lat~~ Open dump F - However tests conducted by Law Engineering Suggests a continuos clay layer underlying landfill.

Method with highest score: O/D.

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:
Hg
Phenol

Compound with highest score:
Hg

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum): 1-2 tons

Basis of estimating and/or computing waste quantity:
4000 cu yds of waste (9) - Not all haz. waste
≈ 70 lbs/cu FT
≈ 200 ppm Hg (1,2)

* * *

GE_CARIBE001314

5 TARGETS

Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Public Supply
Irrigation

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

3600'
Lat 18° 38' 2" N
Long 66° 30' 35" W
From well Logs (4)

~~1200~~

1200' - Ceiba well (5)
Jose Colon - Dept of Health
Julio Gonzalez - P.R. sewer authority
Well was sampled by F.I.T.

Distance to above well or building:

1200'

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

3600 feet
4800 feet
1200

7 wells (4) - see Attachment
Central Distribution system provides water for 7500 people

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

Sugar cane grown throughout area outside of city.
Irrigation wells draw from aquifer of concern. (4)

Total population served by ground water within a 3-mile radius:

>7500 (6)
5557 - pueblo Juana Diaz (1980 census)
" " (1980 census)

7,985 - Rand Mcnally map (1970)

Will use figure >10,000 based on 7500 number with an assumption of a 3% growth rate → 1970 census

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

None

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

0

Name/description of nearest downslope surface water:

RIO JACAGUAS (7)

Average slope of terrain between facility and above-cited surface water body in percent:

1% (7)

Is the facility located either totally or partially in surface water?

NO

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Is the facility completely surrounded by areas of higher elevation?

No

1-Year 24-Hour Rainfall in Inches

≈10" - (6) - Hurricanes

Distance to Nearest Downslope Surface Water

< 1/4 mile

Physical State of Waste

Liquid metal
Solid plastic

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Open dump
LdF.

Method with highest score:

Landfill not covered and no diversion system present

GE_CARIBE001317

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

Mercury
Phenol

Compound with highest score:

Mercury

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

1-2 tons Hg

Basis of estimating and/or computing waste quantity:

See previous discussion

* * *

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

(10)
Recreation
Fishing

GE_CARIBE001318

Is there tidal influence?

no

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

No

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

No

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

No

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

0 (6)

GE_CARIBE001319

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

0.6

Total population served:

0

Name/description of nearest of above water bodies:

Rio Jacaguas

Distance to above-cited intakes, measured in stream miles.

0

GE_CARIBE001320

1 OBSERVED RELEASE

Contaminants detected:

None

Date and location of detection of contaminants

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Most incompatible pair of compounds:

GE_CARIBE001321

Toxicity

Most toxic compound:

Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

* * *

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi 0 to 1 mi 0 to 1/2 mi 0 to 1/4 mi

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

GE_CARIBE001322

Distance to critical habitat of an endangered species, if 1 mile or less:

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

GE_CARIBE001323

-E JUANA DIAZ

BIBLIOGRAPHY OF INFORMATION SOURCES USED TO

APPLY THE HAZARD RANKING SYSTEM*

TITLE	DATE	AUTHOR/PUBLISHER	AVAILABLE FROM
1. Law Engineering Rpt TO GE	6/19/81	— Neal, Larry	1) GE. 2) Law Eng.
2. " " "	9/16/81	- "	"
3. Hydrogeologic Map of P.R. + V.I	(1965)	USGS	G.P.O.
4. Well Logs		Office of H.O.	USGS.
5. Jose Colon - Julio Gonzalez -		J. Diaz Dept of Health P.R. Sewer Auth.	
6. Carlos O'Neill		USEPA	R II
7. USGS Quad map -	1970	- Juana Diaz Quad	USGS
8. Climatological Data -		Am. Sum. Vol 25, #13	NOAA
9. Bob Schausiel - Co. Pres.		— Personal Comm.	1982 — GE P.R.
10. Observation -		Fit Site Inspection	4/19/82
11. Memo from EQB		2/22/82 Santos, M	— EQB

*Attach additional pages, if necessary.

... in the unshaded areas only.

GSA No. 0246-EPA-OT

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTALLATION'S EPA I.D. NO.	D73 164
I. NAME OF INSTALLATION	
II. INSTALLATION MAILING ADDRESS	PLEASE PLACE LABEL IN THIS SPACE
III. LOCATION OF INSTALLATION	

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law *(Section 3010 of the Resource Conservation and Recovery Act).*

DETACH

FOR OFFICIAL USE ONLY

COMMENTS: C

INSTALLATION'S EPA I.D. NUMBER: F 1

APPROVED

DATE RECEIVED (yr., mo., & day)

I. NAME OF INSTALLATION: GENERAL ELECTRIC CONTROLS INC

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 3 PO BOX 328

CITY OR TOWN: 4 VEGA ALTA — ST. PR — ZIP CODE 00762

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 5 STATE HIGHWAY NO 2 KM 301

CITY OR TOWN: 6 VEGA ALTA — ST. PR — ZIP CODE 00762

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title): 2 MARTINEZ RAFAEL METHODS SPEC

PHONE NO. (area code & no.): 809-883-3000

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: 8 GENERAL ELECTRIC CO

DETACH

B. TYPE OF OWNERSHIP (enter the appropriate letter into box): F = FEDERAL, M = NON-FEDERAL — M

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

- [X] A. GENERATION
- [ ] B. TRANSPORTATION (complete item VII)
- [X] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only – enter "X" in the appropriate box(es))

- [ ] A. AIR
- [ ] B. RAIL
- [ ] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

EPA Form 8700-12 (6-80)

CONTINUE ON REVERSE

13233

I.D. – FOR OFFICIAL USE ONLY

W

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1 F001	2 F006	3 F007	4 F008	5 F009	6 F017
7	8	9	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

- [X] 1. IGNITABLE (D001)
- [X] 2. CORROSIVE (D002)
- [ ] 3. REACTIVE (D003)
- [X] 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
Robert O. Malinowski	President	5/5/80

EPA Form 8700-12 (6-80) REVERSE

DETACH A

This lease entered into this 20th day of June, 1966 between PUERTO RICO INDUSTRIAL DEVELOPMENT CO. (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC PILOT DEVICES, INC. (hereinafter referred to as the "Lessee"), a corporation organized under the laws of the State of Delaware and duly authorized to do business in Puerto Rico, herein respectively represented by their duly authorized officers

W I T N E S S E T H:

That in consideration of the rent and covenants herein received and contained on the part of the Lessee to be paid, performed and observed, said Lessor hereby demises and leases to said Lessee all that parcel of land with the building thereon and the building addition to be erected thereon described as follows, to-wit:

Lots No. 3 and No. 4 shown on site plan L-206-60 dated March 23, 1961, a reduction of which from the inscription plan of Vega Alta Sub-Division Sheet No. 3, Dwg. No. 695 prepared by Gonzalez & Gonzalez, -- Architects and Engineers, is attached hereto marked Exhibit "A" and by this reference made a part hereof, together with all the rights, easements and appurtenances to the same belonging and usually had and enjoyed therewith, and upon and subject to the terms, conditions and provisions herein contained, it being understood that the aforesaid Lot No. 3 is subject to a right of way in favor of the Puerto Rico Water Resources Authority whereby said authority is permitted to run existing power lines along the Southern and Western boundary lines of said Lot No. 3. The present building on said Lot No. 3 is known as Project 7-635-63. Lot No. 4 is subject to the same right of way in favor of Puerto Rico Water Resources Authority but along Lot No. 4's Northern and Western boundaries.

Lessor undertakes to erect upon the demised premises and immediately adjacent to the West wall of the building presently on Lot No. 3 shown on said Exhibit "A" a building extension having a sq. ft. area of not less than 11,500 sq. ft., which building shall have the same width from North to South, to-wit: 92'-4" and a depth of 121 ft. and lean-tos to be located by the Lessee to bring the total square foot area leased to not less than 11,500 sq. ft. and which building extension shall be of the same type of construction as the existing building but shall have a 6 ft. greater ceiling height and which building shall be built in accordance with all applicable building laws of Vega Alta, Puerto Rico and in accordance with all laws, rules and regulations of all public authorities. There is attached hereto, marked Exhibit "B" a description of building "Q-1A" -- Project No. 7-635-63 which indicates the building construction of the existing building on said Lot No. 3. Said Exhibit "B" is attached purely for the purpose of indicating the type of construction which is to be used in the extension.

It is understood and agreed that the West wall on the existing building on Lot No. 3 shall not be removed until the building extension referred to above shall be substantially completed at which time the two buildings shall be roofed over, properly jointly supported and made weather tight.

It is understood and agreed by the Lessor that should this building addition not be substantially completed and ready for occupancy by the Lessee on or before November 15, 1966 then the Lessee has the privilege of cancelling this agreement.

Notice in writing must be given with respect to the exercising of the above privilege not later than November 30, 1966.

It is expressly understood and agreed that a loading platform, satisfactory to the Lessee shall be built at the back of the building extension, and that there

GE_CARIBE001327

will be built into said loading platform at the expense of the Lessor levelers which the Lessee will furnish to the Lessor at Lessee's expense. Such loading platform shall be 50 ft. in length and 20 ft. in depth and shall be roofed over for half of its depth. It is further understood and agreed that when said loading platform is built the present door on the North side leading into the presently existing building shall be blocked up at Lessor's expense in the event the Lessee at that time so requests. It is also understood and agreed that the square foot area of the loading platform is in addition to the not less than 11,500 sq. ft. area referred to above.

It is understood and agreed that the Lessor will, at Lessor's expense, do the things listed on Exhibit "C" which is attached hereto and by this reference made a part hereof.

Lessor leases and conveys the right to have and to hold the said Lots No. 3 and No. 4 together with the existing building erected upon Lot No. 3 for the term of ten years and four months commencing on July 1, 1966 and terminating on October 31, 1976.

It is understood and agreed that when the aforesaid building extension is completed and ready for occupancy by the Lessee, as mutually agreed between the Lessor and the Lessee, that said extension shall automatically become a part of the demised premises.

1. It is understood and agreed that until said building extension is completed and ready for occupancy by the Lessee as mutually agreed by the Lessor and Lessee the rent to be paid by the Lessee shall be at the annual rate of Eight thousand forty-nine and 96/100 Dollars ($8,049.96) payable in monthly installments of Six hundred seventy and 83/100 Dollars ($670.83) payable in advance on the first day of each lease month. It is further understood and agreed that after the Lessor and Lessee agree that the aforesaid lease extension is complete and ready for occupancy by the Lessee the annual rent upon the entire demised premises shall then prospectively become a figure arrived at by multiplying the gross sq. ft. building area, including the aggregate of the existing building and the aforesaid building extension (exclusive of unroofed portion of loading platforms) by 70¢. The said rent shall then be payable in twelve equal monthly installments on the first day of each month during the lease year in advance, such monthly installment to be arrived at by dividing the annual rental by twelve. It is understood and agreed that in the event the parties mutually agree that the aforesaid building extension becomes complete and ready for occupancy by the Lessee during a lease month, the rent for that portion of the lease month prior to the date upon which the parties mutually agreed the building extension has become complete and ready for occupancy shall be that portion of the monthly rental theretofor paid which the amount of the lease month which has expired prior to said mutually agreed upon date is of the entire month and the rent to be paid thereafter during such calendar month is to be that portion of the new monthly rental which the amount of the unexpired portion of the lease month following the date upon which the building addition is complete and ready for occupancy is of the entire lease month.

2. Anything in this lease heretofore and hereafter to the contrary, the Lessee shall pay to the Lessor as additional rent for Lot No. 4 shown on said Exhibit "A" an annual rent of Two thousand three hundred and 04/100 Dollars ($2,300.04) payable in equal monthly installments of One hundred ninety-one and 67/100 Dollars ($191.67) in advance on the first day of each lease month commencing on July 1, 1967 provided, however, that it is understood and agreed that if and when the Lessor and the Lessee enter into a lease agreement under which the Lessor is to build wholly

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or partially on Lot No. 4 any additional structure having a square foot area of at least 10,000 sq. ft. not presently wholly or partially on Lot No. 4, this additional rental for Lot No. 4 shall cease on the date upon which Lessee is first obligated to pay rental on such additional building. No structure shall be constructed on Lot No. 4 by Lessee without prior written approval of the Lessor.

3. It is understood and agreed that the Lessee shall have the right to cancel this lease and the term demised insofar as the aforesaid Lot No. 4 is concerned by 90 days written notice served at any time after July 1, 1971, provided, however, that the Lessee shall have this right only if a building of the type referred to in paragraph 2. above has not been built wholly or partially on the aforesaid Lot No. 4 prior to July 1, 1971 by mutual agreement between the Lessor and the Lessee.

4. WATER SUPPLY. The Lessor agrees to arrange for provision of an additional raw water supply with a capacity of one hundred fifty (150) gallons per minute on the demised premises. In the event that at any time during the demised term or during any extension thereof the said additional raw water supply is not equal to at least one hundred fifty (150) gallons per minute on the demised premises and so remains for more than thirty (30) consecutive days after Lessee advises the Lessor in writing that the said additional water supply is less than one hundred fifty (150) gallons per minute, Lessee may at its option terminate this lease by written notice effective sixty (60) days after such notice is given to Lessor.

It is understood and agreed that in making provision for the aforesaid additional water supply the Lessor will furnish at its expense well pump, pressure tank, water softener and associated piping.

5. TAX EXEMPTION. It is agreed that in the event that the Tax Exemption Grant for which the General Electric Pilot Devices, Inc. made application in Case No. SL-838 is not granted to the Lessee in accordance with the aforesaid Application, the Lessee shall have the right to cancel and terminate this lease, the demised term and any extension or renewal thereof by giving written notice to the Lessor within ninety days after the Lessee has been notified of the denial of the application. It is agreed that such cancellation and termination may be either before or after the effective date of this lease. In the event of such cancellation or termination neither party shall thereafter be liable to the other for any loss, cost, damage or expense. It is further understood and agreed that Lessee at its option shall have the further right to terminate this lease if the Tax Exemption Grant granted to it is cancelled or annulled during the demised term or during any extension thereof for any reason other than acts or omissions of Lessee which shall have caused such cancellation or annulment to be effected.

6. MAINTENANCE OF PREMISES. The Lessee shall at all times keep the premises in substantial order and repair, including but not limited to all walls, roofs, floors, vaults, water and sewer connections, windows and other glass, plumbing, water, gas and electric installations, pipes, wires and conduits and the Lessee shall also replace and renew, with like kind and quality, any of the said things, in, or about, the premises that may become too worn to be repaired, so that at all times, the said premises shall be in thoroughly good order provided, however, that when the Lessee surrenders the premises at the end of the term or of any extension thereof, or on an earlier termination thereof, Lessee shall only be obligated to surrender and deliver to the Lessor the demised premises broom-clean, in thorough repair and good order and safe condition, reasonable wear and tear of walls, floors, and other parts of the building on the demised premises excepted. Should the Lessee fail to make repairs necessary to keep the demised premises in good condition as aforesaid the Lessor may make such repairs for the account of the Lessee upon giving the Lessee fifteen (15) days prior notice in writing of its intention to make the

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same, in which case the Lessor will charge the cost thereof to the Lessee, and the Lessee will pay for the same immediately upon being billed therefor.

It shall be the responsibility of the Lessor to promptly correct any defects in the building or improvements on the demised premises which are due to faulty design or to errors of construction not apparent on the first day of the term.

7. INSPECTION OF PREMISES. The Lessor may at all reasonable times during business hours but without interfering with the normal operations of Lessee's plant inspect the demised premises to ascertain if Lessee is complying with the terms hereof.

8. LIABILITY INSURANCE. Lessee shall keep in force at all times during the life of this lease public liability insurance in the amount of not less than Fifty thousand Dollars ($50,000.00) for one person and One hundred thousand Dollars ($100,000.00) for one accident covering both the liability of the Lessor and the Lessee as owner and tenant, respectively of the premises. Certified copies of the original policy or Certificates of Insurance, and all riders or notices of payment of premiums on due date, shall be placed by Lessee in the hands of Lessor no later than the first day of the demised term.

9. OTHER INSURANCE. Lessee agrees to keep the building on the demised premises insured at all times during the life of this lease or any extension thereof against the risks of fire, hurricane, earthquake and boiler (if any such boiler shall be operated for Lessee's use) if such insurance is obtainable, in the names of the Lessor and the Lessee as their respective interests may appear, and with responsible insurance companies authorized to do business in Puerto Rico and for the following amounts:

A. - Fire. 80% of insurable value exclusive of foundations.
B. - Hurricane. 50% of insurable value exclusive of foundations.
C. - Earthquake. 50% of insurable value including foundations.
D. - Boiler. (if any) 100% of insurable value.

The proceeds of any such insurance on account of casualty damages to the Lessor's property shall be totally applied to the restoration of the damaged premises with all reasonable promptness. In the event that the proceeds of such insurance are insufficient for the total restoration and repair of the demised premises, Lessor shall have an option to terminate this agreement as of the day on which the loss occurred and Lessee shall have no right to be indemnified by Lessor for such earlier termination. However, Lessee may in that case supply the necessary funds to complete the cost of the restoration and repair over and above the proceeds of the insurance and in such event Lessor shall promptly proceed to the restoration and repair of the demised premises, disregarding any notice of termination given by it hereunder.

The parties hereto agree, however, that if a substantial part of the demised premises are damaged by the occurrence of any such risks to the extent that Lessee is unable to use any such part as herein provided, and such portion of the demised premises remains in such damaged condition for a period of one hundred twenty (120) consecutive days or more, Lessee, may at its option, terminate this lease by giving written notice to Lessor to that effect, which date of termination in no event shall be earlier than the expiration of the aforesaid one hundred twenty (120) day period provided Lessee has well and fully performed all its obligations hereunder up to such day of termination.

While this lease, or any extension thereof is in effect, the Lessee will use reasonable care in securing the doors and windows in the building upon the demised premises, in the event public notice is given by the United States Weather Bureau of a threatened wind storm, flood or other calamity, sufficiently in advance to permit the Lessee to take such precautions. This paragraph shall not be deemed to

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require the Lessee to supply hurricane shutters for use on such occasions; but if the Lessor should supply such hurricane shutters the Lessee will cause the same to be properly placed, at its own expense, in the event of any public notice aforesaid. However, this stipulation shall not be interpreted as imposing any liability on the Lessor for damages suffered by Lessee due to such calamities because of the failure of Lessor to supply such shutters or otherwise to provide any other type of protection.

The premiums of said insurance policies shall be paid by Lessee when due and official receipts evidencing the payment thereof on the due date shall be delivered to the Lessor by the Lessee not later than five (5) days after the due date thereof.

In the case of failure of the Lessee to pay such premium when due, the Lessor may do so in its stead and charge to Lessee whatever sums it shall have paid therefor and such sums will be paid by Lessee at the time it is obligated to pay rent for the month next following the one in which such payments were made by Lessor. The option given to the Lessor to pay the insurance premiums upon failure to do so by the Lessee, does not release the Lessee of its obligation to pay for said premiums and does not affect the right of the Lessor to rescind this lease for the default of the Lessee in the payment of said premium when due.

The Lessor and Lessee agree that Lessee shall not occupy the existing building on aforesaid Lot No. 3, nor the Lessor be required to allow Lessee to occupy said building, unless and until Lessee shall have delivered to Lessor certified copies of the aforesaid insurance policies or certificates evidencing such insurance policies, together with the receipt of the corresponding premium payments. Such policies shall contain a clause providing that the insurer shall deliver to Lessor copy of all notices sent by the insurer to Lessee at the same time that the original notice is delivered to Lessee.

Wherever the word "building" appears in this section such word shall be interpreted to include the aforesaid addition after said addition has been mutually held by the Lessor and Lessee completed and ready for occupancy by the Lessee.

Anything in this and the preceding sections of this lease to the contrary notwithstanding it shall be the obligation of Lessor up to and including the date upon which the aforesaid building addition is completed and ready for occupancy as mutually agreed between the Lessor and Lessee to carry public liability insurance for the construction of the building addition to fully protect the Lessee, its employees, licensees and business invitees from all damage and the Lessee shall not have any obligation to carry any such insurance up to and including said date. It is also understood and agreed anything in this lease to the contrary notwithstanding that up to and including such date the risk of loss by fire, hurricane and earthquake or other accidents or casualty shall be upon the Lessor and not the Lessee and that the Lessee shall not up to and including the said date have any obligation to carry any fire, hurricane, earthquake, boiler or any other kind of insurance on said building extension.

10. MINIMUM WAGES. Lessee agrees to pay for all work performed by it at the leased premises the minimum wages prescribed for such operations either by applicable Federal or Insular laws and abide by and comply with all laws and regulations applicable to the operations of the Lessee in the leased premises and to laborers and their relations to the Lessee; provided, however, that the Lessee shall not be in default hereof whenever it shall in good faith contest by appropriate proceedings the matter or issue which otherwise would constitute cause or basis for such default.

11. PUBLIC SERVICE LIABILITY. The Lessee shall pay for all potable water and electricity consumed at the demised premises at the regularly established rates therefor, during the life of this lease, or any extension thereof, as well as any other public service thereon. Any and all taxes and assessments (except beneficial assessments) assessed against the demised premises with respect to said potable water or electricity and other public services shall be paid by the Lessee; provided, however, that the Lessee shall not be in default hereof whenever it shall in good faith contest by appropriate proceedings the matter or issue which otherwise would constitute cause or basis for such default.

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12. TRANSFER OF LEASE. Lessee shall not assign, transfer or otherwise convey this lease or sublet or dispose of the demised premises, except to the parent corporation or a subsidiary or other affiliate of the Lessee without the prior written consent of the Lessor (which consent shall not be unreasonably withheld) and in no event for purposes other than the operation of an industrial plant; provided, however, that in no case shall the Lessee be relieved of its liability and obligations hereunder, unless agreed to in writing by Lessor.

13. STOPPAGE OF OPERATIONS. It is understood by the parties hereto that this lease is made by the Lessor in furtherance of the industrialization plans of the Commonwealth of Puerto Rico, and it is accordingly understood that the Lessee will use all reasonable efforts while this lease is in effect to maintain in operation upon the demised premises an industrial plant, but, nothing contained in this paragraph shall be deemed to require the Lessee to operate such plant otherwise than in accordance with sound principles of business management, or (without limiting the generality of the foregoing) to prevent the Lessee from curtailing production in such plant or from shutting down such plant or any part thereof, whenever and as often as the Lessee may, in the exercise of sound business judgment deem such action advisable. No curtailment of operations or shutdown of the plant of the Lessee in accordance with the provisions of this paragraph shall constitute a default under paragraph 19. of this contract which will enable the Lessor to terminate it, unless such plant shall have been completely shut down for a period of six (6) consecutive months. A shut-down on account of unforeseeable events or events which although foreseeable could not be prevented, or other causes beyond Lessee's control shall not constitute a breach of this agreement. Nothing in this paragraph contained shall relieve the Lessee from payment of rental during the period of any shut-downs or curtailments of operations.

14. PAYMENT OF SUMS DUE. Any sum of money which the Lessor may pay or disburse on account of the failure of the Lessee to comply with any of the terms or covenants of this lease, and all other expenses incidental thereto, shall be charged to Lessee and Lessee will immediately pay the same to the Lessor.

15. LIABILITY FOR DAMAGES TO PREMISES. All damages or injuries caused at the demised premises by reason of the installation or removal by Lessee of machinery, equipment, furniture or fixtures of any kind, shall be repaired by Lessee at its exclusive expense upon the termination of this lease whether by expiration of the term hereof or otherwise. The parties hereto agree that none of the improvements, machinery, equipment or materials of any kind brought into the demised premises shall become attached to the land but that the Lessee shall have the right to remove the same provided it shall have been removed from the premises at or before the expiration or earlier termination of this lease and further provided that the Lessee shall have repaired any damages caused by such removal prior to such expiration.

16. RECORDING. Either party hereto may elect to record this lease in the Registry of Property. In such event both parties agree to execute any necessary public deeds or contracts for said purpose. The cost and fees of the execution, copies, recording and cancellation of such deeds shall be borne by the party electing to record.

17. NOTICES. All notices herein required or permitted to be given to or served upon either party shall be in writing. Any such notice shall be sufficiently given or served if served personally or by registered mail on an officer of such party at its address set forth below, or at such other address as it shall designate in a notice to the other party:

In the case of notice to Lessor:

Puerto Rico Industrial Development Company
Post Office Box 2672
San Juan, Puerto Rico

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In the case of notice to Lessee:

General Electric Pilot Devices, Inc.
Vega Alta, Puerto Rico

This lease is exclusively between the Lessor and Lessee and their successors and assigns and is not to be construed directly or indirectly for the benefit of any third person or party.

18. WAIVER. No waiver of any condition or covenant of this lease by either party shall be deemed to imply or constitute a further waiver by such party of the same or any other condition or covenant.

19. EVENTS OF DEFAULT. The following shall be considered events of default hereunder:

a. Non-payment by Lessee of any installments of the stipulated rent thirty (30) days after notice in writing that such rent is due and unpaid has been given by Lessor to Lessee.

b. Non-compliance by Lessee with any of the terms or covenants of this lease with respect to insurance of the leased premises as provided herein and such non-compliance shall remain uncorrected for ten (10) days from notice in writing of such non-compliance has been given to Lessee by Lessor.

c. Non-compliance by Lessee with any other of the terms or covenants of this lease not otherwise provided for herein after notice in writing of such non-compliance has been given to Lessee by Lessor and the same remains uncorrected thirty (30) days thereafter.

d. Vacation, desertion or abandonment of the demised premises.

e. The levy of an attachment or other order to secure the effectiveness of judgment, or the levy of execution, upon the demised premises, or upon the lease, in any proceeding pending against the Lessee in any court of competent jurisdiction, unless such attachment, order, or execution be discharged by bond or otherwise not later than twenty (20) days counted from the date upon which Lessee shall have received notice thereof.

f. The mere filing by Lessee of a voluntary bankruptcy proceeding.

g. The filing by any creditor against the Lessee, in any court of competent jurisdiction, of any involuntary proceeding permitted under any bankruptcy statute then in force, unless the same shall have been dismissed or set aside within sixty (60) days after the date of filing thereof.

h. The issuing of an order placing the demised premises under the control or management of a trustee, liquidator or receiver, except that Lessee shall have 30 days in which to vacate or annul said order.

Upon the happening of any such event of default, and once the period of grace established in each case for the correction thereof has elapsed without such default having been corrected by Lessee to the satisfaction of the Lessor, this lease shall be automatically terminated as of the date on which the act of default occurred irrespective of the fact that the full lease term has not run in its entirety, and the Lessor may immediately reenter the demised premises and recover possession thereon without legal proceeding or through any legal proceeding available to it. The Lessee, however, shall remain liable to the Lessor for all its obligations previously due hereunder, as well as for any reasonable damage suffered by the Lessor on account of such early termination.

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All remedies given or reserved to Lessor hereunder shall be cumulative and non-exclusive of any other remedies in law or in equity which the Lessor might make use of in the exercise or in defense of its rights hereunder.

20. MATURITY OF PENDING OBLIGATION. It is hereby covenanted and agreed that in case the Lessor should declare the Lessee in default and the Lessee actually is in default in the performance of any of the terms or covenants of this lease, all other obligations of the Lessee to the Lessor of any nature whatsoever, whether or not arising out of this lease, will, at the option of the Lessor, immediately become due and payable, anything contained in any document or instrument evidencing such obligations to the contrary notwithstanding, and in case such obligation requires the performance or doing of any act or thing other than the payment of money, the performance of such obligation may be required immediately by the Lessor.

21. RESIDENT AGENT. In order that the Lessor may obtain judicial enforcement of all the obligations undertaken in this contract by the Lessee, the Lessee shall appoint and maintain at all times a bona-fide resident of San Juan, Puerto Rico to act as its representative to receive service of summons in its behalf, and notice, by registered mail, thereof, giving the name and address of such agent or representative shall be given in writing to the Lessor by the Lessee not later than ten (10) days from the effective date of this lease. In the event that the Lessee should fail to give such notice and/or to appoint such agent, or that the agent designated by the Lessee cannot be located in Puerto Rico or shall be no longer authorized to act as such, the Lessee agrees that service of summons may be made by service on the Secretary of State of the Commonwealth of Puerto Rico or any of his assistants. The Lessee further agrees that service of summons by or on behalf of the Lessor on the Secretary of State of Puerto Rico, or any of his assistants, when made as stipulated herein, shall be valid to submit the Lessee to the jurisdiction of the Courts of Justice of the Commonwealth of Puerto Rico and in this City of San Juan.

22. ARBITRATION. Any dispute or controversy which may arise between the parties hereto in the operation or other performances of the terms or covenants of this contract specified in paragraph 19. (c) hereof, may be submitted by either party hereto to the consideration of three arbitrators, one appointed by each of the contracting parties and the third one designated by the two arbitrators appointed by the parties; provided, however, that if the arbitrators appointed by the parties cannot agree on a third, then such third arbitrator shall be designated by the Senior-Judge of the Superior Court of San Juan. The parties in dispute shall submit their respective claims to these three arbitrators, whose decision by majority vote shall be final and binding upon the parties. The fees, costs and expenses of the arbitrators shall be borne by the party against whom the arbitration award is rendered, or partially by each party to the extent and in the manner to be determined by the arbitrators in the award, in the event the award is for and against each of the contesting parties. In no case shall performance under this contract be interrupted pending arbitration, except where such interruption is mutually agreed to in writing by the parties.

23. The Lessee agrees to install within sixteen (16) months after the effective date of this lease and maintain during the demised term or any extension thereof, manufacturing machinery and equipment worth on the basis of an aggregate purchase cost to General Electric Company and/or to the Lessee at least Four hundred thousand Dollars ($400,000.00) exclusive of the cost of transportation and installation thereof and exclusive of its ordinary depreciation and with capacity to provide employment for 95 persons and the Lessee shall provide necessary capital to conduct its operations on the demised premises.

24. ALTERATIONS. Lessee may make alterations, changes, additions and improvements to any building now or hereafter erected on the demised premises, provided:

a. That the same shall not lessen the value of said building as it is at the commencement of such work or change the purposes for which said building may be used;

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b. That the same shall be made in accordance with plans and specifications therefor. Such plans and specifications shall first be submitted to and approved in writing by Lessor;

c. That before commencing any such work said plans and specifications shall be filed with and approved by all municipal or other governmental departments or authorities having jurisdiction thereof, and the written consent of any mortgagee having any interest in or lien upon the demised premises shall be procured by Lessee and delivered to Lessor if required by the terms of the mortgage;

d. That Lessee shall pay the increased premium, if any, charged by the insurance companies carrying insurance policies on said building, to cover the additional risk during the course of such work.

(i) Except as otherwise provided in this lease, all such alterations, changes, additions and improvements made by Lessee shall be and become the property of Lessor.

(ii) Except as provided in this article d. or elsewhere in this lease, no building or improvements now or hereafter erected upon the premises, or any part thereof, shall be demolished, altered, added to or changed without the prior written consents of Lessor and any mortgagee.

25. It is the condition of this lease that Lessee will prosecute its request for a permit to use the existing building on aforesaid Lot No. 3 before the Planning Board of Puerto Rico with due diligence and that Lessor will cooperate fully with Lessee in its effort to obtain promptly such Use Permit. Such request shall be made within five (5) days after Lessor advises Lessee that the demised premises are ready for Use Permit Inspection. It is understood and agreed that Lessee and Lessor shall have similar obligations with respect to the aforesaid addition to said existing building to be built onLot No. 3.

26. Lessor hereby grants Lessee an option to extend this lease and the term demised for two (2) additional successive five (5) year periods upon the same terms and conditions provided that all the terms and conditions of this lease shall have been complied with, by giving written notice to the Lessor of its intention to extend the same not later than six (6) months prior to the date of the expiration of the original term or of the expiration of the first aforesaid five (5) year period as the case may be.

27. It is understood and agreed that the Lessee shall have during the demised term and during any renewal or extension thereof a right of first refusal to lease Lot No. 2 shown on the aforesaid site plan L-206-60 dated March 23, 1961, a reduction of which is attached hereto marked Exhibit "A." It is understood and agreed that this right of first refusal shall give to the Lessee a right to negotiate with the Lessor with respect to a mutually satisfactory lease covering said Lot No. 2 for the then balance of the demised term and/or of any renewal or extension thereof. The Lessor agrees that before leasing the same to any tenant other than the Lessee, Lessor shall notify the Lessee in writing that it desires to lease said Lot No. 2. Thereupon the Lessor and the Lessee shall commence negotiations. In the event that such negotiations have not resulted in a mutually satisfactory leasing arrangement within six (6) months after the Lessor has given the aforesaid written notice to the Lessee, the Lessor shall be free to lease said Lot No. 2 to another tenant.

28. The Lessor covenants that the Lessee, on paying the rent, additional rent, and on keeping, observing and performing all the other terms, covenants, conditions, provisions and agreements herein contained on the part of the Lessee

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to be kept, observed and performed, shall, during the term of this lease and during any renewal or extension thereof, peaceably and quietly, have, hold and enjoy the said premises for the said term and during any renewal or extension of this lease, subject to the terms, covenants, conditions, provisions and agreements thereof.

Attest:

Secretary

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

By

President

Attest:

Secretary

GENERAL ELECTRIC PILOT DEVICES, INC.

By

Chairman of the Board

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PRIDCO
FORM NO. 58

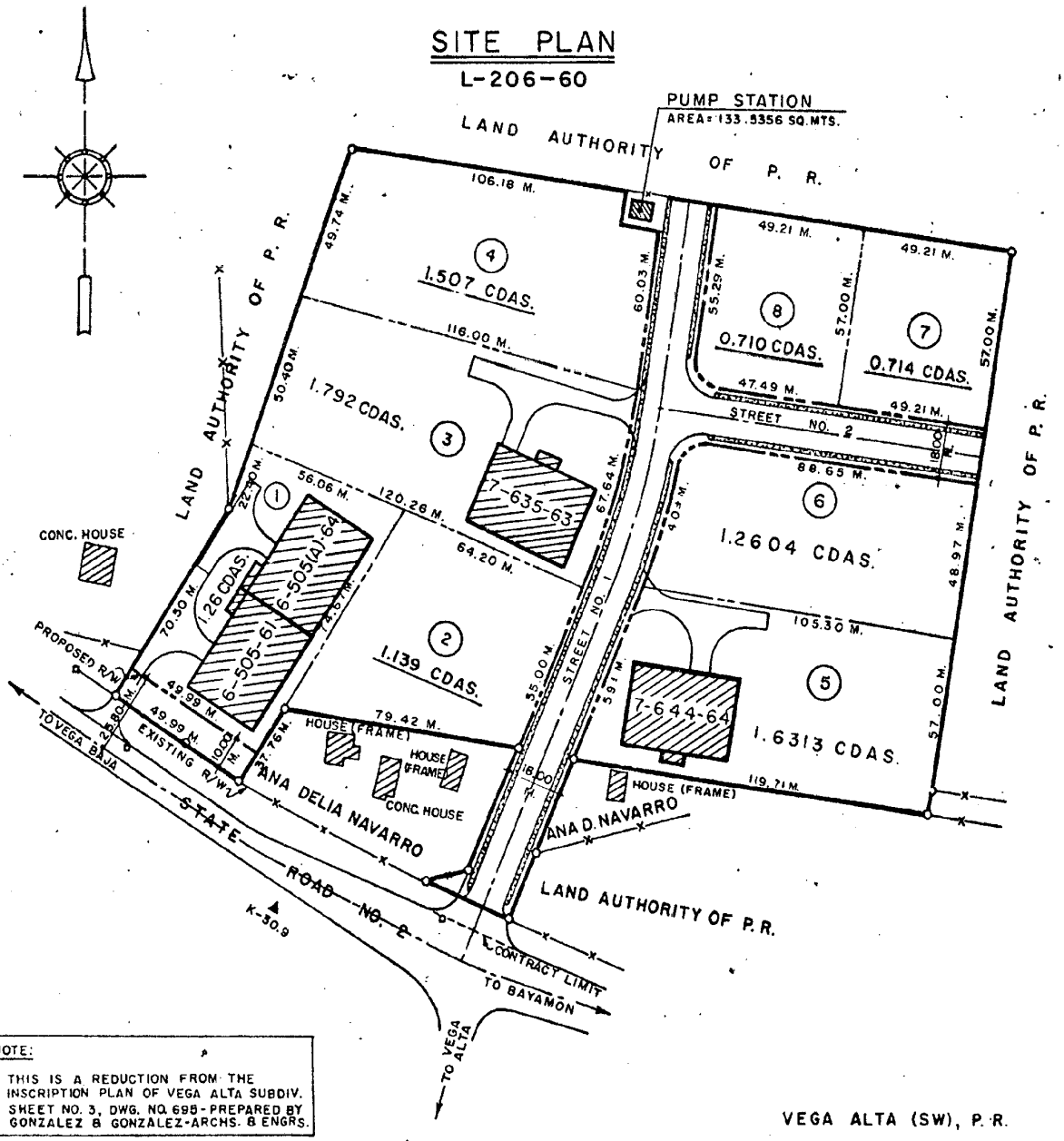
Exhibit 17

MUN. VEGA ALTA
BARRIO ESPINOSA

INDUSTRIAL SITE

DATE 23 MAR 1961

NUMBER VA-



NOTE:
THIS IS A REDUCTION FROM THE INSCRIPTION PLAN OF VEGA ALTA SUBDIV. SHEET NO. 3, DWG. NO. 698 - PREPARED BY GONZALEZ & GONZALEZ-ARCHS. & ENGRS.

DRAWN
CHECKED

PRIDCO PROPERTY

VEGA ALTA (SW), P.R.
SITE NO. 163.35 - 64.70
SCALE 1: 2,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. – PLANNING DEPT. – SAN JUAN, P.R.

K+E TORENE 177 T.M. TRACING PAPER 60264

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EXHIBIT "B"

DESCRIPTION OF BUILDING "Q-1A" - Project No. 7-635-63
at Vega Alta, P.R.

This is a pitched roof type building consisting of reinforced concrete foundations, columns, and girders supporting 30 feet long pacadar joists which in turn support prestressed concrete slabs (poretes), covered by 1/2" fiberglass insulation and a 3 ply built-up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor 121'-0" x 92'-4" out to out dimensions with an area of 11,171.93 sq.ft. of manufacturing space; and a lean-to 31'-0" x 10'-6" for an area of 325.50 sq.ft. This amounts to an approximate total area of 11,497.43 sq.ft. of covered floor space.

The floor consists of a 3½" thick reinforced concrete slab with a monolithic cement finish everywhere.

Exterior walls are of concrete blocks plastered and painted on both sides; except on the front wall which is plastered and painted together with a rectangular pattern finish on plaster next to main entrance and to left and right side edges of wall.

Interior walls at the lean-to are plastered and painted together with a 5'-0" high sprayed-on glazed finish wainscoat.

Ceiling is rubbed throughout the building, and painted at lean-to.

Windows are miami louvers throughout the building.

Doors are made of plywood, except for one flush metal double swing door at the main entrance; a similar door equipped with antipanic hardware set at the right side wall, and one double sliding door at the loading entrance.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side eaves is 12'-0" and 12'-11 1/4" at the highest point of the building.

EXHIBIT "C"

As provided on Page 2 of the lease between General Electric Pilot Devices, Inc. and Puerto Rico Industrial Development Co., to which this is an attachment, the Lessor will, at its expense, as soon as possible do the following:

1. Furnish and install a chain link fence around the cafeteria area as located by the Lessee.

2. Furnish and install around the boundaries of Lot No. 3 as defined in the said lease a 6-ft. high cyclone fence with three strands of barbed wire on the top with appropriate gates as desired and located by the Lessee.

3. Furnish and install around the boundaries of Lot No. 4 as defined in the said lease a 6-ft. high cyclone fence with three strands of barbed wire on the top with appropriate gates as desired and located by the Lessee.

4. Furnish and install a well house covering the well and accessories referred to in Paragraph 4. of the aforesaid lease.

5. Construct a lean-to as a part of the building addition referred to in the aforesaid lease as desired by the Lessee to house air compressors, a boiler and other equipment.

6. Cut holes as desired in the roof of the existing building on Lot No. 3 referred to in said lease and provide for holes in the building extension referred to in said lease, all for air conditioning.

7. Furnish and install two poles and luminaires and install the same on the boundary between Lots No. 3 and No. 4 referred to in the aforesaid lease to illuminate said lots and to install lighting on the rear of the building extension referred to in the attached lease to illuminate the rear thereof.

8. Compact a portion of the land adjacent to the rear of the building presently existing on Lot No. 3 referred to in the attached lease 20 ft. by 20 ft. in dimension as desired by the Lessee and build thereon a 12" concrete slab.

9. Build a sidewalk from the front entry of the existing building on Lot No. 3 referred to in the attached lease to a guardhouse to be built by the Lessee at Lessee's expense (except for the concrete slab 10 ft. by 10 ft. upon which site the guardhouse will rest which will be laid by the Lessor at Lessor's expense) on the front of said Lot No. 3 adjacent to the fence which is to be built around the boundaries thereof.

10. Grade approximately 15,000 sq. ft. of land in Lot No. 4 for a parking area as desired by the Lessee.

11. Build a ramp from the loading platform to be built in the rear of the building extension referred to in the attached lease as desired by the Lessee.

12. Plastic in the window apertures in the existing building on Lot No. 3 referred to in the attached lease upon request of Lessee.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY
SAN JUAN, PUERTO RICO

CERTIFICATE OF ACCEPTANCE ON FULL OCCUPANCY

It is hereby certified that the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY, hereafter called the Landlord and General Electric Pilot Devices, Inc., hereafter called the Tenant have agreed regarding the full occupancy of Factory Building No. 7-635-63, located at Vega Alta, Puerto Rico, as follows:

1. The Tenant accepts the aforementioned building for full occupancy, except for those items specified in Exhibit C to lease dated June 20, 1966 between the Landlord and the Tenant to be constructed thereat; it being understood that the West wall of the Building shall only be removed as provided in the aforesaid lease.

2. The Tenant may occupy said Factory Building rent free from June 15, 1966 to and including June 30, 1966. Thereafter the Tenant shall pay rent pursuant to the aforesaid lease dated June 20, 1966.

As evidence of their agreement, the Landlord and the Tenant hereby sign this document on this 20th day of June, 1966.

GENERAL ELECTRIC PILOT DEVICES, INC.

by: _____ Chairman of the Board

PUERTO RICO INDUSTRIAL DEVELOPMENT CO.

by: _____

Please print or type with ELITE type *(12 characters/inch)* in the unshaded areas only.

Form Approved OMB No. 158-S79016
GSA No. 0246-EPA-OT

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTALLATION'S EPA I.D. NO. D 73 187

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

III. LOCATION OF INSTALLATION

PLEASE PLACE LABEL IN THIS SPACE

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law *(Section 3010 of the Resource Conservation and Recovery Act).*

DETACH A

FOR OFFICIAL USE ONLY

COMMENTS: C

INSTALLATION'S EPA I.D. NUMBER: F 1

APPROVED:

DATE RECEIVED (yr., mo., & day):

13233

I. NAME OF INSTALLATION

GENERAL ELECTRIC PILOT DEVICES INC

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 3 PO BOX 328

CITY OR TOWN: 4 VEGA ALTA

ST.: PR

ZIP CODE: 00762

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 5 STATE HIGHWAY NO 2 KM 30.9

CITY OR TOWN: 6 VEGA ALTA

ST.: PR

ZIP CODE: 00762

IV. INSTALLATION CONTACT

NAME AND TITLE *(last, first, & job title)*: 2 MARTINEZ RAFAEL METHODS SPEC

PHONE NO. *(area code & no.)*: 809-883-3000

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: 8 GENERAL ELECTRIC CO

B. TYPE OF OWNERSHIP *(enter the appropriate letter into box)*: M

F = FEDERAL
M = NON-FEDERAL

VI. TYPE OF HAZARDOUS WASTE ACTIVITY *(enter "X" in the appropriate box(es))*

- [X] A. GENERATION
- [ ] B. TRANSPORTATION *(complete item VII)*
- [ ] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION *(transporters only – enter "X" in the appropriate box(es))*

- [ ] A. AIR
- [ ] B. RAIL
- [ ] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER *(specify)*:

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION *(complete item C)*

C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

EPA Form 8700-12 (6-80)

CONTINUE ON REVERSE

I.D. – FOR OFFICIAL USE ONLY

W

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1 F007	2 F017	3	4	5	6
7	8	9	10	11	12

DETACH

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

- [X] 1. IGNITABLE (D001)
- [X] 2. CORROSIVE (D002)
- [ ] 3. REACTIVE (D003)
- [X] 4. TOXIC (D000)

X. CERTIFICATION

DETACH

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
Robert S. Malinowski	President	5/5/80

EPA Form 8700-12 (6-80) REVERSE

EPA NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTALLATION'S EPA I.D. NO.	J 51022 PRT000040618
I. NAME OF INSTALLATION	GENERAL ELECTRIC GEPOL, INC.
II. INSTALLATION MAILING ADDRESS	ARECIBO, P.R. 00612
III. LOCATION OF INSTALLATION	

INSTRUCTIONS: If you received a preprint label, affix it in the space at left. If any of information on the label is incorrect, draw a li through it and supply the correct informat in the appropriate section below. If the lab complete and correct, leave Items I, II, and below blank. If you did not receive a preprint label, complete all items. "Installation" mea single site where hazardous waste is generat treated, stored and/or disposed of, or a tra porter's principal place of business. Please r to the INSTRUCTIONS FOR FILING NOTI CATION before completing this form. T information requested herein is required by *(Section 3010 of the Resource Conservation a Recovery Act).*

DETACH

FOR OFFICIAL USE ONLY

COMMENTS: C

INSTALLATION'S EPA I.D. NUMBER	APPROVED	DATE RECEIVED (yr., mo., & day)
F I		

I. NAME OF INSTALLATION

GENERAL ELECTRIC GEPOL, INC.

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 3 P. O. BOX 363

CITY OR TOWN: 4 ARECIBO — ST: PR — ZIP CODE: 00612

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 5 ROUTE 129 Km. 41.0 ZENO INDPARK

CITY OR TOWN: 6 ARECIBO — ST.: PR — ZIP CODE: 00612

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title): 2 SOLERO JOSE MFG ENG

PHONE NO. (area code & no.): 809-878-1420

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: 8 GENERAL ELECTRIC CO

B. TYPE OF OWNERSHIP (enter the appropriate letter into box)

F = FEDERAL
M = NON-FEDERAL

VI. TYPE OF HAZARDOUS WASTE ACTIVITY *(enter "X" in the appropriate box(es))*

- [X] A. GENERATION
- [X] B. TRANSPORTATION *(complete Item VII)*
- [X] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION *(transporters only – enter "X" in the appropriate box(es))*

- [ ] A. AIR
- [ ] B. RAIL
- [X] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER *(specify)*

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notificatio If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION *(complete Item C)*

C. INSTALLATION'S EPA I.D. NO.: PRT000040618

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

EPA Form 8700-12 (6-80)

CONTINUE ON REVERSE

92027

W P R T 0 0 0 0 4 0 6 1 8

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1 F001	2 F006	3 F007	4 F008	5 F009	6 F010
7	8	9	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary

31 P030	32 P104	33 P106	34 U226	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

☐ 1. IGNITABLE (D001) ☐ 2. CORROSIVE (D002) ☐ 3. REACTIVE (D003) ☐ 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
[signature]	PRESIDENT	8–15–80

EPA Form 8700-12 (6-80) REVERSE

Phase I Environmental Site Assessment Report

GE Lighting Juana Diaz
Carrion Maduro Street
Juana Diaz, Puerto Rico

Prepared for

General Electric
3010 Spartanburg Highway
East Flat Rock, NC 28726

Prepared by

Arcadis U.S., Inc.
1687 Cole Blvd., Suite 200
Lakewood, CO 80004
Phone: 303.231.9115

Job Number: CO001525.00001
05/07/2010

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Executive Summary

On behalf of GE Lighting (GEL), ARCADIS US, Inc. (ARCADIS) has prepared this Phase I Environmental Site Assessment (ESA) of the GEL facility located at Carrion Maduro Street, Road No. 149, Km.67 in Juana Diaz, Puerto Rico, (herein referred to as the "Site"). The general location of the Site is shown in Figure 1.

The Site is comprised of 10.5 acres land area, including three one-story buildings, several outbuildings, and parking lot area. The property boundaries are:

- North: Puerto Rico Electric Power Authority building and substation, Road PR-149
- South: Urb. Jacaguax (residential neighborhood with single family units)
- East: Carrion Maduro Street (Rd.159), PRIDCO vacant building
- West: John Dewey College and Global Manufacturing (office furniture)

GE Lighting began operations at the facility in 1957. The site had previously been used for agricultural purposes. The facility manufactured various electrical components, including switches, relays, and receptacles. Operations at the facility ceased in 2000.

As directed by GEL, this assessment has been prepared in general accordance with ASTM Standard Practice E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, subject to the scope and limitations of the ASTM standard and the assessment methodology as described herein, and the GE Statement of Work for Transactions Involving Manufacturing or Service Sites (Appendix F). The goal of the Phase I ESA is to gather information on current and historical Site operations and to identify recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), and other environmental information associated with the property.

The Phase I ESA included a visual inspection of the Site completed on April 9, 2010, observation of adjacent properties, reviews of environmental regulatory agency records, historical documents and facility records that were made available for review by GEL, and interviews with personnel represented to be familiar with the Site.

Recognized Environmental Conditions (RECs)

- No Recognized Environmental Conditions were identified.

Historical Recognized Environmental Conditions (HRECs)

- The facility was placed on the National Priorities List (NPL) as a Superfund site in 1983, due to a waste-fill area contaminated with mercury from on-site disposal practices. Several site investigations were conducted to determine the nature and extent of contamination in soil and groundwater at the site and adjacent properties. Results of these investigations indicated areas where soils contained mercury concentrations exceeding the residential preliminary remediation goals of 39 mg/kg established by USEPA. Groundwater monitoring detected concentrations of mercury and several volatile organic compounds (VOCs), but no concentrations exceeded their respective maximum contaminant level (MCL). Impacted soils were transported and disposed at a RCRA Subtitle C hazardous waste landfill in South Carolina. Excavation and backfill activities were completed in December 1999. Post Remedial Action groundwater monitoring indicated no impact to groundwater from remedial activities. The site was delisted from the NPL in October 2000.
- The Puerto Rico Environmental Quality Board (EQB) submitted a RCRA Facilities Assessment Report in May 1989 which identified seven (7) Solid Waste Management Units (SWMUs) and two (2) Areas of Concern (AOCs) at the Juana Diaz facility. GE undertook environmental investigation and corrective action efforts at these areas, including decommissioning and disposal of equipment, excavation and removal of impacted soils, and pressure washing and scarification of concrete surfaces. Confirmatory sampling indicated concentrations of chromium and nickel in soils beneath the settling tank were above Residential Direct Contact Soil Cleanup Criteria, although below Non-Residential Direct Contact Soil Cleanup Criteria. Documentation describing these activities and the results of post Corrective Action sampling were submitted to USEPA, including a recommendation that the site place an institutional control limiting future land use to industrial purposes. USEPA agreed with the recommendation, and provided a No Further Action (NFA) letter stipulating land use restrictions to industrial usage to GE in September 2007.

Observations:

- Sediments were observed in two sanitary manholes located east of the building, and in the catch basins at the west of the facility.
- Oil staining was observed in several areas of the former manufacturing area. Chemical staining was observed in the laboratory.
- Flaking paint was observed on both internal and external surfaces of the buildings. No sampling was conducted to assess lead containing paint.
- Broken fluorescent lamps were observed inside the building. New and discarded fluorescent lamps were also noted in areas inside of the structures.
- Stagnant water was observed accumulated in the area of the former wastewater treatment plant.
- Based on interviewed personnel, asbestos containing materials were removed from the site circa 1990. However, no documentation was provided to confirm this information. Materials that are considered potential ACMs (such as vinyl floor tiles) were observed in some areas of the site. These materials were observed to be in good condition in most areas of the building, but were worn in the laboratory area.

Physical limitations:

- No safe access to the ceilings was available.
- Grown vegetation and domestic wastes prevented observing some of the outbuilding structures.

Data Gaps

- Facility personnel indicated that asbestos-containing materials were removed from the facility, but no documentation was available describing what activities were conducted. No sampling was conducted to assess potential asbestos containing materials.
- Correspondence has been submitted to local regulatory authorities requesting available public records, but no information has yet been received.

Previous Investigations

- Several site investigations were conducted to determine nature and extent of soil and groundwater contamination related to the site's listing on the NPL and the RCRA Facility Assessment report, as described above.

1 Introduction

On behalf of GE Lighting (GEL), ARCADIS US, Inc. (ARCADIS) has prepared this Phase I Environmental Site Assessment (ESA) of the Client facility located at Carrion Maduro Street, Road No. 149, Km 67, in Juana Diaz, Puerto Rico, (herein referred to as the "Site"). The general location of the Site is shown in Figures 1.

The GE Lighting facility is located north of the Municipality of Juana Diaz, in the south central region of Puerto Rico. The facility is bounded on the west by Highway 149, and bounded on the east by Carrion Maduro Street. The site covers an area of approximately 10.5 acres, and contains three main buildngs and several outbuildings. Site features are shown in Figure 2.

1.1 Purpose

ARCADIS understands that the purpose for conducting this Phase I ESA is to assess and document the current status of environmental conditions at the Site prior to planned divestiture.

1.2 Detailed Scope of Services

As directed by GEL, this assessment has been prepared in general accordance with ASTM Standard Practice E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, subject to the scope and limitations of the ASTM standard and the assessment methodology as described herein, and the GE Statement of Work for Transactions Involving Manufacturing or Service Sites (Appendix F). The goal of the Phase I ESA is to gather information on current and historical Site operations and to identify recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), and other environmental information associated with the property.

A REC is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or obvious material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not considered RECs. The assessment of RECs has been based primarily on conditions observed at the Site during the inspection, information obtained from publicly available databases, review of information provided by GEL and others, and interviews with individuals having relevant information pertaining to Site conditions.

An HREC is defined as an environmental condition which in the past would have been considered a REC, but which may or may not be considered a REC currently.

ARCADIS' scope of work included:

- Review of GE Documentation - ARCADIS will review documents on file at GE's Appliance Park facility that describe past environmental information related to the site. This documentation may include, but not be limited to, reports describing site investigation and remediation activities conducted under RCRA and CERCLA. A summary of known environmental conditions at the site will be prepared in advance of the site reconnaissance. This will include a site map outlining the areas of the site where previous investigations have taken place, as well as a narrative summary of activities conducted in each of these areas and the environmental conditions in these areas once activities were complete.
- Publicly Available Regulatory Review - ARCADIS will conduct a review of readily/publicly available regulatory information for the site and vicinity to include hazardous and non-hazardous waste management, waste storage, treatment, and disposal facilities; spills; contaminated properties; land use restrictions; and other local information that may be industry standard for conducting ESAs. This will include review of applicable regulatory agency files and EDR reports. It is understood that EDR reports will not be considered a substitute for a complete and thorough agency file review.

Please note that ARCADIS will request pertinent documents from local regulatory agencies, but it is our experience that obtaining said documents can take up to two months. Upon receipt, ARCADIS will review the documents and forward along to GE, along with a written report detailing our findings.

- Site Reconnaissance - A thorough site reconnaissance will be conducted to include evidence of chemical usage and storage; stormwater and wastewater discharge/management; presence/ absence of monitoring wells; evidence of former air emissions; visible indications of potential water, soil, or surface contamination; aboveground or underground storage tanks, drums, transformers and hydraulic equipment that may contain PCBs; and any other readily available information to evaluate potential site environmental concerns. ARCADIS will complete the GE *Appendix F* questionnaire during the site reconnaissance. The questionnaire is considered to meet or exceed the requirements of the ASTM E1527-05 standard user questionnaire. It is ARCADIS' understanding that a GE employee familiar with former site operations will be available for an interview during the site reconnaissance.
- Environmental Setting - Our report will include an overview of the local physical setting to include geology, hydrogeology, surface water, wetlands, depth to groundwater, topography, surrounding land use, and any other observations deemed relevant. ARCADIS will also conduct any appropriate reviews of publicly available information and perform visual curb-assessment review of adjacent areas surrounding the site.
- A preliminary asbestos, PCB, and lead-based paint review will be performed based on: observations of the Site reconnaissance and property location; the age(s) of the building/building materials; and discussions with the owner/tenant/operator to the extent practicable. No sampling of asbestos, lead-based paint, or PCB-containing equipment associated with site facilities will be conducted as part of this assessment.
- Data gaps (defined as the lack or inability to obtain information required by ASTM E-1527-05 despite good faith efforts to gather such information), if any, will be identified, resolved to the extent feasible, and documented in the event that the gaps could not be resolved.

The Phase I did not include the collection or analysis of soil, air, water, groundwater or other samples.

Photographs of the site and surrounding areas were taken to document current conditions and are included in Appendix B.

1.3 Significant Assumptions

ARCADIS has assumed that the information sources utilized for this investigation provided accurate information. Evaluations presented in this report are based exclusively on information provided by GEL, Juana Diaz personnel, and research completed and observations made during the Site visit. No invasive field activities were conducted and no laboratory analyses were performed.

The boundaries of the Site were described in documents provided by GEL and by interviews with personnel at the Site. ARCADIS has assumed this information is accurate.

1.4 Limitations and Exceptions of Assessment

This assessment was prepared in general accordance with ASTM Standard Practice E1527 05, subject to the scope and limitations of the ASTM standard and the assessment methodology as described herein. It is understood that the services performed and any opinions expressed by ARCADIS in the report are based upon the limits of the investigation as described above. It is understood that ARCADIS has relied upon the accuracy of documents, oral information, and other material and information provided by Client and others, and ARCADIS assumes no liability for the accuracy of such data. Similarly, past and present activities on the Site indicating the potential for the existence of environmental concerns may not be discovered by ARCADIS' inquiries. ARCADIS can offer no assurances and assumes no responsibility for Site conditions or Site activities that are outside the scope of the services as described above, or for changes to Site conditions or regulatory requirements which may apply after completion of the services by ARCADIS. It is understood that such changes can lead to liability in connection with the Site which will not be identified in this report. ARCADIS reviewed the information obtained in connection with the performance of the services as described above, in keeping

with existing applicable environmental consulting standards and enforcement practices, but cannot predict what actions any given agency may take or what standards and practices may apply in the future.

1.5 Special Terms and Conditions

ARCADIS has performed this work per the terms and conditions of the Corporate Purchase Agreement between General Electric Company and ARCADIS for Environmental, Health and Safety Compliance Services (CPA #2459), effective March 15, 2004, amended in Octobere 2006 and extended in 2010.

No other special terms and conditions were imposed on this Phase I ESA.

1.6 Reliance

It is understood that this report will be prepared for the sole use of GE and the contents thereof may not be used or relied upon by any other person without the express written consent and authorization of ARCADIS.

1.7 Data Gaps

The ASTM practice requires environmental professionals to identify data gaps following reasonable inquiry of Site and GE personnel and ARCADIS' search for "reasonably ascertainable" resources. ASTM E 1527 05 defines a data gap as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information."

Data gaps identified at this site included:

- Facility personnel indicated that asbestos-containing materials were removed from the facility, but no documentation was available describing what activities were conducted.
- Correspondence has been submitted to local regulatory authorities requesting available public records, but no information has yet been received.

2 Site Description

2.1 Site Location

The GE Lighting facility is located north of the Municipality of Juana Diaz, in the south central region of Puerto Rico. The facility is bounded on the west by John Dewey College, Global Manufacturing, and Highway 149; to the north by Highway 149, Puerto Rico Electric Power Authority building and substation; to the south by residential neighborhood (Urb. Jacaguax) and bounded on the east by Carrion Maduro Street, and a PRIDCO vacant building.

2.2 Site Vicinity Characteristics

The Site is located in a mixed residential and commercial area, surrounded by single family residential homes, commercial/business operations, utilities offices, and open space.

ARCADIS did not identify or observe any evidence of spills, or other apparent environmental concerns on the adjacent properties. No leaking USTs were reported as present at the Site. No open spills, releases, environmental concerns, or leaking USTs were identified on the adjacent properties.

The adjoining and surrounding vicinity properties include:

Direction From Site	Occupant	Use	Comments
North	AEE (PR Electric Power Authority)	Commercial/ Industrial	Services office and electrical substation
South	Residential Neighborhood (Urb. Jacaguax)	Residential	Other residential and commercial uses (restaurant/cafeteria,laundry, stores)
East	PRIDCO vacant building	Former clothing manufacturing, currently vacant	Empty Building
West	John Dewey College, Global Manufacturing	Mixed Use	Educational and manufacturing industries, other commercial and residential uses.

3 Site History

ARCADIS obtained historical information from the following sources: interviews with Site personnel, Site documentation, and historical information sources including historical topographic maps and historical aerial photographs.

3.1 General Information

GE Lighting leased the Juana Diaz facility from the Puerto Rico Industrial Development Company (PRIDCO) and began operations in 1957. The site had been previously used for agricultural purposes. Initially the site comprised one building, but additional buildings and outbuildings were constructed over the years, including storage sheds for scrap metal, oils, hazardous wastes, and chemicals (Figure 2). The facility manufactured various electrical components, including switches, relays, and receptacles. Operations performed there included molding, electroplating, printing, assembly, and packing. GE purchased the property from PRIDCO in 1987. Operations continued at the facility until it closed in 2000.

3.2 Historical Information Provided During Interview

Interviews were conducted with Mr. Roberto Miranda, GE Remediation Manager, and Mr. Heriberto Robles, Caribe GE machine shop operator and current site custodian. They indicated no data files are located at the facility or at the Puerto Rico GE central offices. The site was classified as a RCRA Small Quantity Generator and the EPA number is still open. As indicated by Mr. Miranda, it was never a Treatment, Storage and Disposal facility.

North site building was constructed in 1957, while south building was constructed approximately in the 1960s. The central building was constructed approximately in the 1990's. No additional information was provided regarding building construction.

The facility was engaged in metal stamping, electroplating, molding and assembly of electric devices. Thermoplastic and thermoset molding activities were conducted to fabricate the components, and deburring activities to remove excess materials resulting from the molding operations were conducted as part of these operations.

Pad printing operation was conducted for a particular product in which animated cartoons were stamped in plastic parts to make standard night lights. Hydraulic oil and cutting oil were used as part of these operations.

No major modifications have been done at the building; when production lines were added, machinery was added at the same area, which remained almost the same.

Asbestos materials were removed in approximately 1990; however, no documents were available describing this removal.

The facility closed operations in 2000; most of the machinery and equipment was transported to other GE facilities, and the remaining items were sold as scrap metal to local companies (last sale was to Martinez Iron Works in 2009).

In 2006, a nickel remediation was conducted at the southeast corner of the south building. Photos and manifests for this activity were provided later by Mr. Miranda. This remediation was part of the RCRA Corrective Action described below.

The machinery and equipment was removed from the building by 2009. No information was provided describing any characterization/cleaning/closure activities conducted at the site.

3.3 Previous Environmental Reports

ARCADIS reviewed files located at Appliance Park in Louisville, Kentucky to gather historical information on environmental investigations conducted at the Juana Diaz facility. The site was listed on the National Priorities List and was also subject to RCRA Corrective Action, and the file information focused primarily on associated investigative and remedial activities conducted at the site. The files contained reports, correspondence, technology evaluations, and other materials related to these activities. Key reports that were reviewed include:

- RI Report, GE Wiring Device Facilities, Law Environmental Services, October 8, 1986
- Addendum to RI Report, GE Wiring Device Facilities, Law Environmental Services, October 1987
- RCRA Facility Assessment Report, Caribe GE Products, EQB Land Pollution Control Area, Hazardous Waste Division, December 1988
- Environmental Baseline Study, GE Wiring Device Facilities, Law Environmental Services, September 1989
- Report of Phase II Environmental Assessment Within Building 2 Area, Law Environmental Services, December 1989
- Draft Final Supplemental RI Report, GE Wiring Device Site, Morrison Knudsen Corporation, April 1992
- Revised Baseline Risk Assessment for the G.E. Wiring Devices Site, CDM Federal Programs Corporation, October 22, 1993
- Draft Field Report, Remedial Action Investigation, Morrison Knudsen Corporation, December 1993
- Focused Feasibility Study, GE Wiring Device Superfund Site, Metcalf 7 Eddy, November 1998
- Remedial Action Report for GE Wiring Device Facility, Metcalf & Eddy, April 2000
- Decontamination Summary Report, SWMUs 5, 6 and 7, LawGibb-Caribe, May 3, 2001
- Project Summary Report: Secondary Containment Pit (Former SWMUs 5 and 6), Settling Tank (SWMU 7), and Concrete Trench Decommissioning, Caribe General Electric Products, Inc., O'Brien & Gere, October 2005

Areas where previous investigations/remediation were conducted are shown in Figure 3. A description of environmentally-related site activities conducted at the facility are summarized below:

National Priorities List

The facility was placed on the National Priorities List (NPL) as a Superfund site in 1983, due to a waste-fill area contaminated with mercury from on-site disposal practices. Several site investigations were conducted to determine the nature and extent of contamination in soil and groundwater at the site and adjacent properties. A number of investigations were carried out in this area. Initially samples were analyzed for chlorinated hydrocarbons, priority pollutant metals, base/neutral extractable organics, acid extractable organics, phenols, and pesticides/PCBs. Subsequent sampling efforts focused on analysis of mercury and volatile organic compounds. Results of these investigations indicated areas where soils contained mercury concentrations exceeding the residential remediation goal of 39 mg/kg established by USEPA. Groundwater monitoring detected concentrations of mercury and several volatile organic compounds (VOCs), but no concentrations exceeded their respective maximum contaminant level (MCL). Initially, the objective of the remedial action at the site was to excavate impacted soils and treat onsite to extract the mercury. Due to expanded volume and change in anticipated character of the soils to be treated, the ROD was amended to require the transport and disposal of the impacted soils to a RCRA Subtitle C hazardous waste landfill in South Carolina. Additional soils excavation and the demolition of the Cold Storage Building were also conducted. Excavation and backfill activities were completed in December 1999. Post Remedial Action groundwater monitoring indicated no impact to groundwater from remedial activities. The site was delisted from the NPL in October 2000.

RCRA Corrective Action

The Puerto Rico Environmental Quality Board (EQB) submitted a RCRA Facilities Assessment Report in May 1989 which identified seven (7) Solid Waste Management Units (SWMUs) and two (2) Areas of Concern (AOCs) at the Juana Diaz facility. These included:

- SWMU #1 Mercury-Contaminated Landfill
- SWMU #2 Container Storage Areas #1 (CSA 1) for F006 Wastes
- SWMU #3 Container Storage Areas #2 (CSA 2) for Spent Oil
- SWMU #4 Container Storage Areas #3 (CSA 3) for Metal Scrap
- SWMUs # 5, 6 & 7 Wastewater Treatment System
- AOC # A Satellite Area for Destripping of Brass Pieces
- AOC # B Electroplating Area

GE undertook environmental investigations to address these areas. Samples were analyzed for total metals and select volatile organic compounds. Upon completion of characterization, GE conducted

corrective actions at these areas, including decommissioning and disposal of equipment, excavation and removal of impacted soils, and pressure washing and scarification of concrete surfaces. Confirmatory sampling indicated concentrations of chromium and nickel in soils beneath the settling tank were above Residential Direct Contact Soil Cleanup Criteria, although below Non-Residential Direct Contact Soil Cleanup Criteria. Documentation describing these activities and the results of post Corrective Action sampling were submitted to USEPA, including a recommendation that the site place an institutional control limiting future land use to industrial purposes. USEPA agreed with the recommendation, and provided a No Further Action (NFA) letter stipulating land use restrictions to industrial usage to GE in September 2007.

Other Investigations

In 1989, Law Environment - Caribe conducted a Phase II Environmental Assessment at two areas within and adjacent to Building 2 in association with the identification of potential environmental liabilities during negotiations for a joint venture. The investigation included conducting four soil borings in the vicinity of an underground tank located adjacent to the southeast corner of the building. The tank was no longer in use but may have used in the past for materials containing volatile organic compounds and metals. Soil samples were analyzed for metals, cyanide, volatile organic compounds (halogenated and aromatic), semivolatile organic compounds, base neutral/extractable organics and acid-extractable organics. Analysis of soil samples from these borings indicated concentrations of arsenic that exceeded health-based criteria. This area was subsequently included as part of the RCRA Corrective Action described above.

In addition to the soil borings, mercury vapor readings were measured within the former mercury button operation area within the building. Results of the mercury vapor measurements indicated concentrations were below OSHA permissible exposure limits. The report suggested cleaning this area and conducting additional monitoring.

3.4 Evaluation of Historical Information Sources

3.4.1 Historical Topographic Maps

Historical topographic maps assist in the identification of regional land and development features. Topographic maps were obtained from EDR. Topographic maps for the Site and adjoining areas from 1960 and 1982 were reviewed by ARCADIS. Topographic maps are included in Appendix C. The following is a summary of ARCADIS' interpretation of features observed on the topographic maps.

Map Year & Information	ARCADIS Interpretation
1960	Large structures both east and west of the site indicate other industrial development in the immediate area. Smaller structures east and south of the site indicate residential development in the immediate area. The Municipality of Juana Diaz is south of the site. The areas further east and west of the site are largely undveloped.
1982	Additional residential development observed north, east and southeast of the site. Additional industrial development observed west of the site.

3.4.2 Aerial Photographs

Aerial photographs assist in the identification of Site features and outdoor activities of potential environmental concern. Aerial photographs were obtained from EDR. Aerial photographs for the years 1977 and 1991 were reviewed by ARCADIS and are included in Appendix D. The following is a summary of ARCADIS's interpretation of features observed on the aerial photographs.

Summary

Date(s)	Property Comments	Surrounding Area Comments
1977	Quality of aerial photo prohibits observing any detail for the site.	Due to photo quality and coverage considerations, observations are limited. The photo does not show areas south of the site. With the exception of a residential development northwest of the site, much of the remainder of the area north of the site is undeveloped.
1991	Quality of aerial photo prohibits observing any detail for the site.	Industrial and residential development was observed in close proximity to the site. The Municipality of Juana Diaz is south of the site.

3.4.3 Sanborn Maps

Sanborn fire insurance maps were requested from EDR for the site as part of this assessment. No Sanborn maps are available for the site. The "Unmapped Property" certification report is included as Appendix E.

3.4.4 City Directory Search

No City Directory was available for this area.

3.4.5 Chain of Title

ARCADIS did not obtain a chain of title for this site.

3.4.6 Environmental Liens Search

No environmental lien information was available for the site.

4 Environmental Setting

4.1 Topography

The 1982 USGS topographic map shows the topographic gradient toward the south and southwest in the vicinity of the site. Ground surface elevation measurements taken at the site indicate the site elevations range from approximately 162 to 183 feet above mean sea level (MSL) (Morrison-Knudsen, 1992).

4.2 Geology and Hydrogeology

Juana Diaz is located in the foothills of the central Cordillera and along the Rio Jacaguas in a transitional area between the central mountains and the south coastal plain. The GE site is underlain by an alluvial terrace overlying the Guayo Formation. The Juana Diaz Formation outcrops adjacent to the GE site. Quaternary alluvium is present along Rio Jacaguas, and alluvial fans occur along the south coastal plain downstream of the GE site. Soil borings conducted at the site identified three hydrostratigraphic units overlying the Guayo Formation. These include a black silty clay unit, a silt/clay unit, and a sand/gravel unit (Morrison & Knudsen, 1992).

Groundwater measurements conducted in 1991 indicated groundwater at the site was encountered between 40 and 60 feet below ground surface. Groundwater flow direction was determined to be generally to the southwest (Morrison & Knudsen, 1992).

4.3 Hydrology

The main hydrologic features of the area are the Jacaguas River that meanders to the west of Juana Diaz toward the Caribbean Sea, and the Juana Diaz Canal, located about one half mile east of the site (Law Environmetal - Caribe, 1989).

4.4 Wetlands

According to the EDR Report, Federal Emergency Management Agency (FEMA) flood plain panel data was available for the site.The site is shown as being within the Federal 500-year flood area. The EDR report also indicated that areas listed on the National Wetlands Inventory are within one mile of the site.

4.5 Standard Environmental Record Sources, Federal and State

ARCADIS contracted EDR to conduct a search of federal and state environmental databases. Based on the Site address, the database searches were completed to assist in the identification of conditions at the Site. The complete EDR Radius Map Report is attached as Appendix H.

It should be noted that the computerized geocoding technology is not available in Puerto Rico and therefore surrounding properties were identified using the same zip code. The EDR Radius Map report in Appendix H incorrectly identifies the GE site as not being the target property listed on the Federal databases. The correct situation is shown in the tables below. The EDR report provides a list of unmapped facilities for which inadequate location information was provided. ARCADIS has reviewed the list of unmapped or "orphan" facilities to determine if any are located within the study radius. Several unmapped facilities were determined to be within one mile of the Site (see Section 4.6).

Facilities identified within the study radii were evaluated to determine if they are likely to have adversely impacted the Site. The criteria used to evaluate the potential for adverse impact to the Site include:

- distance from the Site
- expected depth and direction of groundwater and surface-water flow
- expected storm water flow direction
- presence/absence of documented contaminant releases at the identified sites not identified as remediated

The following is a list of databases that listed the GE Site:

Summary								
Database	**Target Property**	**Search Distance (Miles)**	**< 1/8**	**1/8 - 1/4**	**1/4 - 1/2**	**1/2 - 1**	**> 1**	**Total Plotted**
DELISTED NPL	1	1	0	0	0	0	NR	1
CERCLIS	1	0.5	0	0	0	NR	NR	1
CORRACTS	1	1	0	0	0	0	NR	1
RCRA-TSDF	1	0.5	0	0	0	NR	NR	1
RCRA-CESQG	1	0.25	0	0	NR	NR	NR	1
US ENG CONTROLS	1	0.5	0	0	0	NR	NR	1
ROD	1	1	0	0	0	0	NR	1

Detail Summary

Site Name:	CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Databases:	CORRACTS, CERCLIS, US ENG CONTROLS, RCRA-CESQG, FINDS, DELISTED NPL, ROD, RCRA-TSDF
Address:	CARR 149 KM 67
Distance:	0
Direction:	
Elevation:	
Comments:	

4.6 Surrounding Properties

The following databases were reviewed in EDR's search of available ("reasonably ascertainable ") government records within the search radius around the target property for the following databases:

- NPL - National Priority List
- Proposed NPL - Proposed National Priority List Sites
- NPL LIENS - Federal Superfund Liens
- Delisted NPL - National Priority List Deletions
- CERCLIS - Comprehensive Environmental Response, Compensation, and Liability Information System
- CERC-NFRAP - CERCLIS No Further Remedial Action Planned
- CORRACTS - Corrective Action Report
- RCRA-TSDF RCRA - Transporters, Storage and Disposal
- RCRA-LQG RCRA - Large Quantity Generators
- US ENG CONTROLS - Engineering Controls Sites List
- US INST CONTROL - Sites with Institutional Controls
- ERNS - Emergency Response Notification System
- SWF/LF - Solid Waste Facilities
- LAST - Leaking Aboveground Storage Tank Sites
- INDIAN LUST - Leaking Underground Storage Tanks on Indian Land
- UST - Underground Storage Tank Database
- AST - Aboveground Storage Tank Sites
- INDIAN UST - Underground Storage Tanks on Indian Land
- INST CONTROL - All Sites with Deed Restrictions
- INDIAN VCP - Voluntary Cleanup Priority Listing
- BROWNFIELDS - Certified Brownfields
- US BROWNFIELDS - A Listing of Brownfields Sites
- ODI - Open Dump Inventory
- INDIAN ODI -
- DEBRIS REGION 9 - Torres Martinez Reservation Illegal Dump Site Locations
- SWRCY - Recyclers Directory
- Report on the Status of Open Dumps on Indian Lands
- US CDL - Clandestine Drug Labs

- US HIST CDL - National Clandestine Laboratory Register
- LIENS 2 - CERCLA Lien Information
- LUCIS - Land Use Control Information System
- HMIRS - Hazardous Materials Information Reporting System
- DOT OPS - Incident and Accident Data
- DOD - Department of Defense Sites
- FUDS - Formerly Used Defense Sites
- CONSENT - Superfund (CERCLA) Consent Decrees
- ROD - Records Of Decision
- UMTRA - Uranium Mill Tailings Sites
- MINES - Mines Master Index File
- TSCA - Toxic Substances Control Act
- SSTS - Section 7 Tracking Systems
- ICIS - Integrated Compliance Information System
- PADS - PCB Activity Database System
- MLTS - Material Licensing Tracking System
- RADINFO - Radiation Information Database
- RAATS - RCRA Administrative Action Tracking System
- UIC - Underground Injection Wells Inventory Listing
- DRYCLEANERS - Drycleaner Facility Listing
- NPDES - Wastewater Permit Listing
- INDIAN RESERV - Indian Reservations
- SCRD DRYCLEANERS - State Coalition for Remediation of Drycleaners Listing
- PCB TRANSFORMER - PCB Transformer Registration Database
- Manufactured Gas Plants - EDR Proprietary Manufactured Gas Plants

Based on review of the EDR database report, the following orphan sites were identified within one mile of the site.

Orphans Summary

Facility Name:	JUANA DIAZ NORTH TOLL PLAZA
Databases:	UST
Address:	CARR.P.R. 52
Comments:	

Facility Name:	PRASA JUANA DIAZ WTP
Databases:	ICIS
Address:	CARRETERA 149 KM. 66
Comments:	

Facility Name:	JUANA DIAZ C.O.
Databases:	UST
Address:	MARIO BRACHI ST.
Comments:	

Facility Name:	JUANA DIAZ TOLL
Databases:	UST
Address:	PR-52
Comments:	

Facility Name:	ASDA JUANA DIAZ
Databases:	UST
Address:	CARR. 149 KM. 66.3 INT. BARRI
Comments:	

Facility Name:	JUANA DIAZ SOUTH TOLL PLAZA
Databases:	UST
Address:	CARR. 52
Comments:	

4.7 Interview Sources

For the Site, ARCADIS also conducted interviews and obtained available documentation from representatives of GE. Below is a summary of the interview:

Mr. Roberto Miranda and Mr. Heriberto Robles were interviewed during the site visit. The only files obtained were the manifests for waste disposal and photographs from the nickel remediation work conducted in approximately 2004-2005.
The facility was engaged in metal stamping, electroplating, molding and assembly of electric devices since approximately 1957. Thermoplastic and thermoset molding activities were conducted to fabricate the components, and deburring activities to remove excess materials from the molding process were conducted as part of these operations. The site consisted of production areas, administrative offices, cafeteria, material storage, hazardous wastes area, maintenance shop, electrical rooms, water evaporators (for water that came out of the air compressors, and the wastewater treatment plant), chillers, cooling towers, and other structures to service site operations.
At the Wastewater Treatment Plant (WWTP) area, the evaporators and generators dried liquid wastes; the product of that drying process was called "pancakes", which were disposed of off-site. No information on the waste disposal facility that received the pancakes was provided.
Pad printing operation was conducted for a particular product in which animated cartoons were stamped in plastic parts to make standard night lights. Hydraulic oil and cutting oil we used as part of these operations.
No major modifications have been done at the building.
Asbestos materials were removed in approximately 1990; however, no documents were found regarding this removal.
The facility closed operations in 2000; most of machinery and equipment was transported to other GE facilities, and remaining items were sold as scrap metal to local companies. No information was provided describing whether sampling of the scrap metal was conducted prior to being sold.
In 2006, a nickel remediation was conducted at the southeast corner of the south building. This remediation was part of the RCRA Corrective Action described in Section 3.3. The machinery and equipment was removed from the building by 2009. No information was provided describing any characterization/cleaning/closure activities conducted at the site.

4.8 Site Reconnaissance

ARCADIS representatives Rita Lebron and Carlos Cordero Castallanos conducted the site reconnaissance visit on Friday, April 9, 2010. Mr. Roberto Miranda, Remediation Manager for GE Lighting, accompanied ARCADIS during the tour of the facility. ARCADIS took photographs documenting conditions during the site visit. Selected photos are shown in the photolog, Appendix B. The map showing the location and direction of each photograph is shown on Figure 4.

4.9 Current Uses and General Description of the Site

The facility ceased operations in 2000. Most of the equipment has been removed from the site. Several drums and pails were observed in the facility. The pails contained deburring media used to clean molded plastic parts. Contents of drums located in the former parts washing area is unknown. Two drums contained fluorescent bulbs, some of which were broken and others intact. There were also drums of domestic waste observed. Oil staining was observed in several areas of the former manufacturing area. Chemical staining was observed in the laboratory. Sediment was observed in two sanitary manholes east of the building and in the catch basins to the west of the building. Stagnant water was observed accumulated in the area of the former wastewater treatment plant. The aboveground fire water tank (150,000 gallons), fire pump, and 560 gallon aboveground fuel oil tank still remain east of building 2. The fuel oil tank reportedly contained oil and had secondary containment. Transformers at the site were of a dry-type. The site was surrounded by a chain-link fence.

4.10 Utilities

According to interviewed site representatives, the Site is provided with the following utilities:

- Potable water - PRASA (Puerto Rico Aqueduct and Sewer Authority)
- Sanitary sewer - PRASA
- Electricity - AEE (Electric Power Authority); 220 uniphase
- Wastes - disposed offsite through private contractors
- Storm water is discharged to an open ditch, which discharges to the municipal storm system. According to Puerto Rico State Public Works, this system likely discharges to the Jacaguas River.

4.11 Material Handling and Storage Practices

As the plant has been closed since 2000, this section will focus on knowledge gained of past operations.

4.11.1 Hazardous and Petroleum Products Usage and Storage

A 560 gallon aboveground fuel oil tank for the fire water pump is located east of Building 2. According to site representatives, the tank still contains diesel. The tank had secondary containment.

Other substances at the site are only for facility maintenance purposes (paint, gasoline and oil for tractors) and are contained in small quantities (one gallon or less) located in the former reception area.

The facility stored a number of hazardous materials during its operation, as well as sludges from their electroplating process. A list of hazardous materials used at the site is in Appendix J.

4.11.2 Underground Storage Tanks (USTs)

No underground storage tanks were observed during the site visit. No underground tanks for the site were reported on the Federal databases reviewed.

4.11.3 Aboveground Storage Tanks (ASTs)

Two above ground storage tanks were observed during the site visit. They included:

- A 150,000 gallon fire water tank located east of Building 2.
- A 560 gallon fuel oil tank for the fire water pump located east of Building 2. The tank had secondary containment.

4.12 Hazardous and Non-Hazardous Waste Management

4.12.1 Hazardous Waste

The site had a hazardous waste storage shed during the period of its operation. Access to this shed was limited due to accumulation of debris. No potentially hazardous materials were observed during the site visit.

4.12.2 Non-Hazardous Waste

Non-hazardous waste that was observed at the Site included media used to deburr plastic parts, used filters, paints, unused plastic components, and domestic wastes.

4.13 Hazardous Substance and Petroleum Product Containers (Not in Connection with Identified Uses) and Unidentified Substance Containers

One closed drum located at the former plating area was approximately a quart full. Site representatives indicated it consisted of rain water.

4.14 Water Wastewater and Stormwater

4.14.1 Water

Potable water is supplied to the site by the Puerto Rico Aqueduct and Sewer Authority (PRASA).

4.14.2 Wastewater

Wastewater from the facility is conveyed to a treatment facility operated by the Puerto Rico Aqueduct and Sewer Authority(PRASA).

4.14.3 Stormwater

Stormwater is collected via catch basins and conveyed to an open ditch, which discharges to the municipal storm sewer system. According to Puerto Rico State Public Works, this system likely discharges to the Jacaguas River.

4.15 Air Emissions

There are no air emissions associated with the facility. Site representatives indicated they are not sure whether an air permit was granted when the facility was operational. A 1989 Law report indicated the facility operated under a Puerto Rico Environmental Quality Board (EQB) Air Emissions Permit including two sandblasting machines and two ovens. The report also indicated that a construction permit application had been submitted for additional sources (dust collection from grinders, oil mist blower).

4.16 Emergency Planning and Community Right-to-know Act (EPCRA)

The Site files annual Emergency Planning and Community Right-to-Know Act (EPCRA) 312 reports through 1998. Chemicals reported included copper and sulfuric acid.

4.17 Polychlorinated Biphenyls (PCBs)

Transformers observed at the facility were of the dry-type. Due to the age of the facility, the light ballasts could potentially contain PCBs.

4.18 Visual Indications of On-site Contamination

Oil staining was observed in several areas of the former manufacturing area. Chemical staining was observed in the laboratory.
Broken fluorescent bulbs were also observed. Sediment was observed in one of the sanitary manholes. No evidence of contamination was observed exterior to the buildings.

4.19 Asbestos

Facility personnel indicated that asbestos-containing materials were removed from the facility, but no documentation was available describing what activities were conducted. Materials that are considered potential ACMs (such as vinyl floor tiles and wall panels) were observed in some areas of the site. These materials were observed to be in good condition in most areas of the building, but were worn in the laboratory area.

4.20 Lead-based Paint

Flaking paint was observed on both internal and external surfaces of the buildings. No sampling was conducted to assess whether the paint contained lead.

4.21 Wells

The EDR report identified three USGS wells within one mile of the site and one public water supply well within 1/2 mile of the site.

4.22 Radon

ARCADIS did not conduct radon testing as part of this assignment. The EDR report did not have any information related to radon in the vicinity of the site.

5 Observations and Findings

ARCADIS has performed a Phase I ESA in general accordance with the American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Site Assessments: Phase I Environmental Site Assessment Process. Exceptions to, or deviations from, this practice are described in Section 1.4 of this report.

5.1 Recognized Environmental Conditions (RECs)

No Recognized Environmental Conditions were observed at the site.

5.2 Historical Recognized Environmental Conditions (HRECs)

- The facility was placed on the National Priorities List (NPL) as a Superfund site in 1983, due to a waste-fill area contaminated with mercury from on-site disposal practices. Several site investigations were conducted to determine the nature and extent of contamination in soil and groundwater at the site and adjacent properties. Results of these investigations indicated areas where soils contained mercury concentrations exceeding the residential preliminary remediation goals of 39 mg/kg established by USEPA. Groundwater monitoring results did not indicate concentrations of mercury or other constituents attributable to site operations to exceed threshold values. Impacted soils were transported and disposed at a RCRA Subtitle C hazardous waste landfill in South Carolina. Excavation and backfill activities were completed in December 1999. Post Remedial Action groundwater monitoring indicated no impact to groundwater from remedial activities. The site was delisted from the NPL in October 2000.
- The Puerto Rico Environmental Quality Board (EQB) submitted a RCRA Facilities Assessment Report in May 1989 which identified seven (7) Solid Waste Management Units (SWMUs) and two (2) Areas of Concern (AOCs) at the Juana Diaz facility. GE undertook environmental investigation and corrective action efforts at these areas, including decommissioning and disposal of equipment, excavation and removal of impacted soils, and pressure washing and scarification of concrete surfaces. Confirmatory sampling indicated concentrations of chromium and nickel in soils beneath the settling tank were above Residential Direct Contact Soil Cleanup Criteria, although below Non-Residential Direct Contact Soil Cleanup Criteria. Documentation describing these activities and the results of post Corrective Action sampling were submitted to USEPA, including a recommendation that the site place an institutional control limiting future land use to industrial purposes. USEPA agreed with the recommendation, and provided a No Further Action (NFA) letter stipulating land use restrictions to industrial usage to GE in September 2007.

5.3 Observations/Physical Limitations

Observations:
- Sediments were observed in two sanitary manholes located east of the building, and in the catch basins at the west of the facility.
- Oil staining was observed in several areas of the former manufacturing area. Chemical staining was observed in the laboratory.
- Flaking paint was observed on both internal and external surfaces of the buildings. Since it was out of the scope of this work, no sampling was conducted to assess lead containing paint.
- Broken fluorescent lamps were observed inside the building. New and discarded fluorescent lamps were also noted in areas inside of the structures.
- Stagnant water was observed accumulated in the area of the former wastewater treatment plant.
- Based on interviewed personnel, asbestos containing materials were removed from the site circa 1990. However, no documentation was found to confirm this information. Materials that are considered potential ACMs (such as vinyl floor tiles and wall panels) were observed in some areas of the site.

Physical limitations:
- No safe access to the ceilings was available.
- Grown vegetation and domestic wastes prevented observing some of the outbuilding structures.

5.4 Data Gaps

- Facility personnel indicated that asbestos-containing materials were removed from the facility, but no documentation was available describing what activities were conducted.
- Correspondence has been submitted to local regulatory authorities requesting available public records, but no information has yet been received.

6 Qualifications of Environmental Professional

All work activities associated with the Phase I ESA described in this report were conducted under my direction. The following statements are included as required by the ASTM standard by the environmental professional responsible for conducting the Phase I assessment and preparation of this report:

- I declare to the best of my knowledge and belief that I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualification based on education, training, and experience to assess a property of the nature, history, and setting of the site.

- I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312 subject to the limitations of the ASTM methodology and the data gaps identified in this report.

7 References

ASTM. 2005. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E 1527 05.
RI Report, GE Wiring Device Facilities, Law Environmental Services, October 8, 1986
Addendum to RI Report, GE Wiring Device Facilities, Law Environmental Services, October 1987
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Preliminary Site Drawing, General Electric, November 10, 1994
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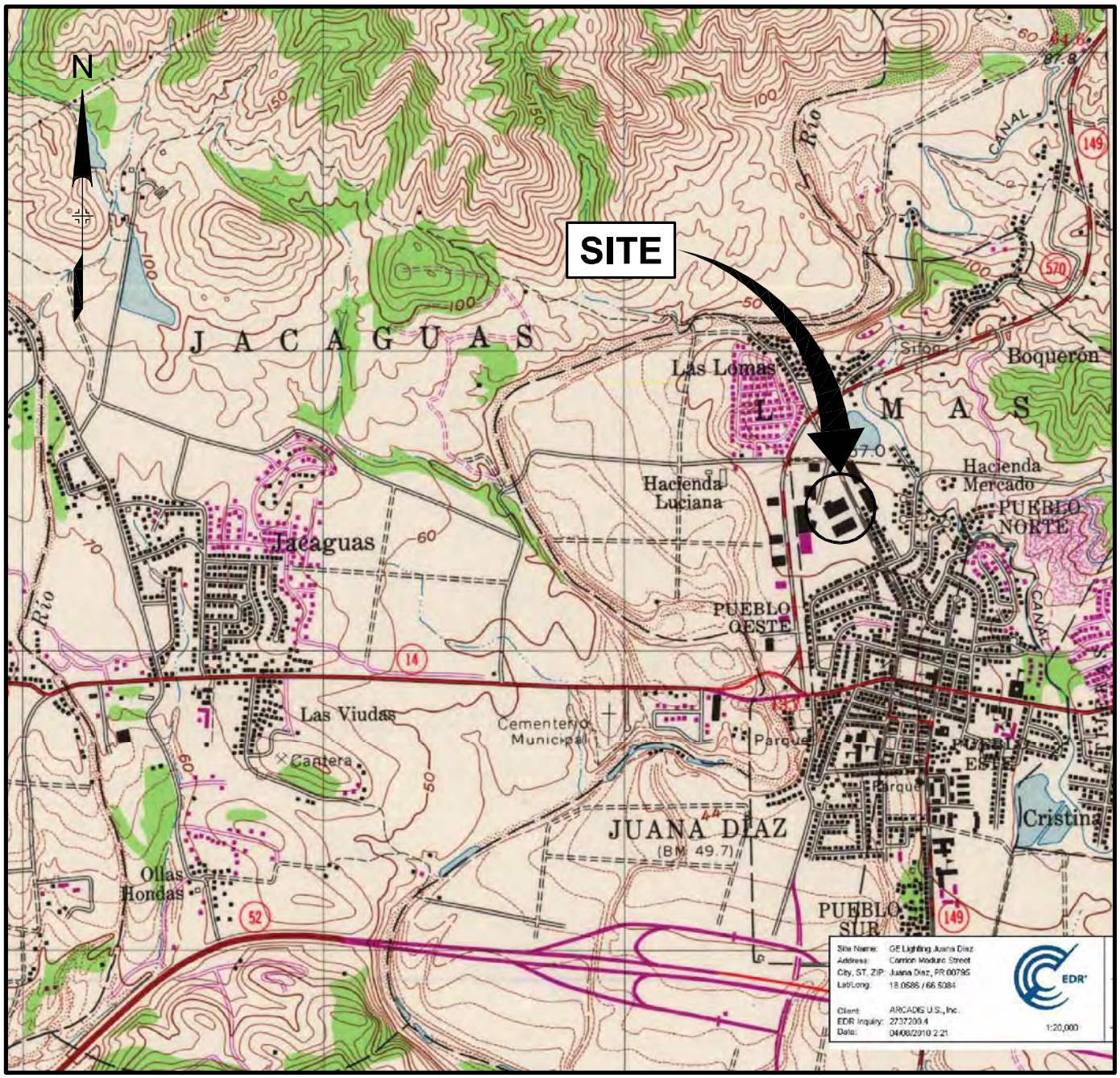
Project Summary Report: Secondary Containment Pit (Former SWMUs 5 and 6), Settling Tank (SWMU 7), and Concrete Trench Decommissioning, Caribe General Electric Products, Inc., O'Brien & Gere, October 2005

Figures



GENERAL ELECTRIC
JUANA DIAZ OPERATIONS PLANT
REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1

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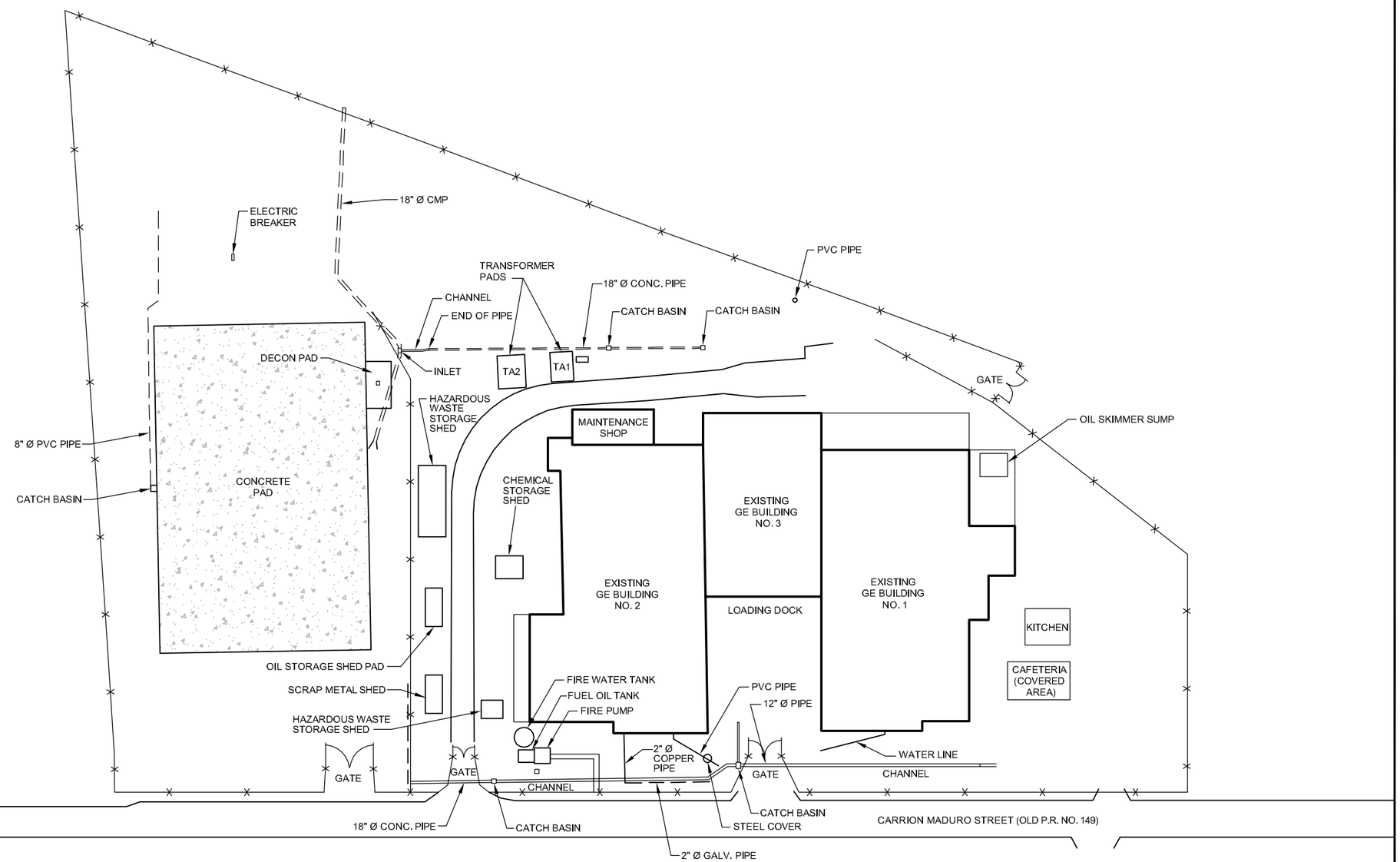
ARCADIS Color Logo.JPG
Juana-Diaz.jpg



SOURCE:

GE, 1994
METCALF & EDDY, 2000

LEGEND:

FENCE (GE PROPERTY)

0 30 60
SCALE IN FEET

GENERAL ELECTRIC
JUANA DIAZ OPERATIONS PLANT
REPORT

SITE PLAN

ARCADIS

FIGURE
2

GE_CARIBE001372

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PID:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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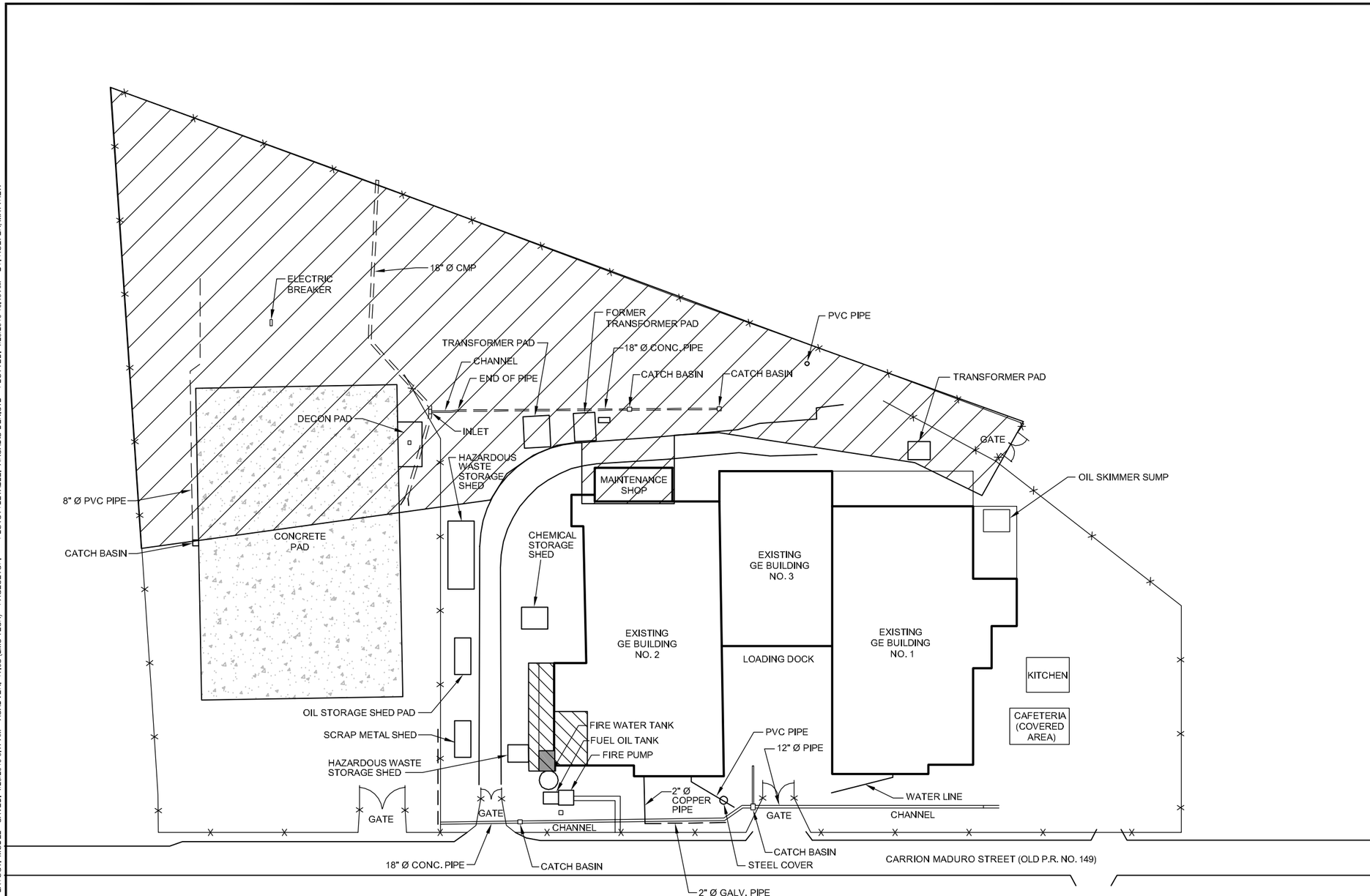

SOURCE:

GE, 1994
METCALF & EDDY, 2000

LEGEND:

FENCE (GE PROPERTY)

AREA SAMPLED AS PART OF CERCLA INVESTIGATION (APPROXIMATE)

AREA SAMPLED AS PART OF RCRA INVESTIGATION (APPROXIMATE)

AREA SAMPLED AS PART OF ENVIRONMENTAL ASSESSMENT (APPROXIMATE)

0 100 200
SCALE IN FEET

GENERAL ELECTRIC
JUANA DIAZ OPERATIONS PLANT
REPORT

AREAS OF PREVIOUS INVESTIGATION

ARCADIS

FIGURE
3

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF* PAGESETUP: --- PLOTSTYLETABLE: ARCADIS-DEN.CTB PLOTTED: 4/28/2010 10:49 AM BY: HOEFER, MATTHEW
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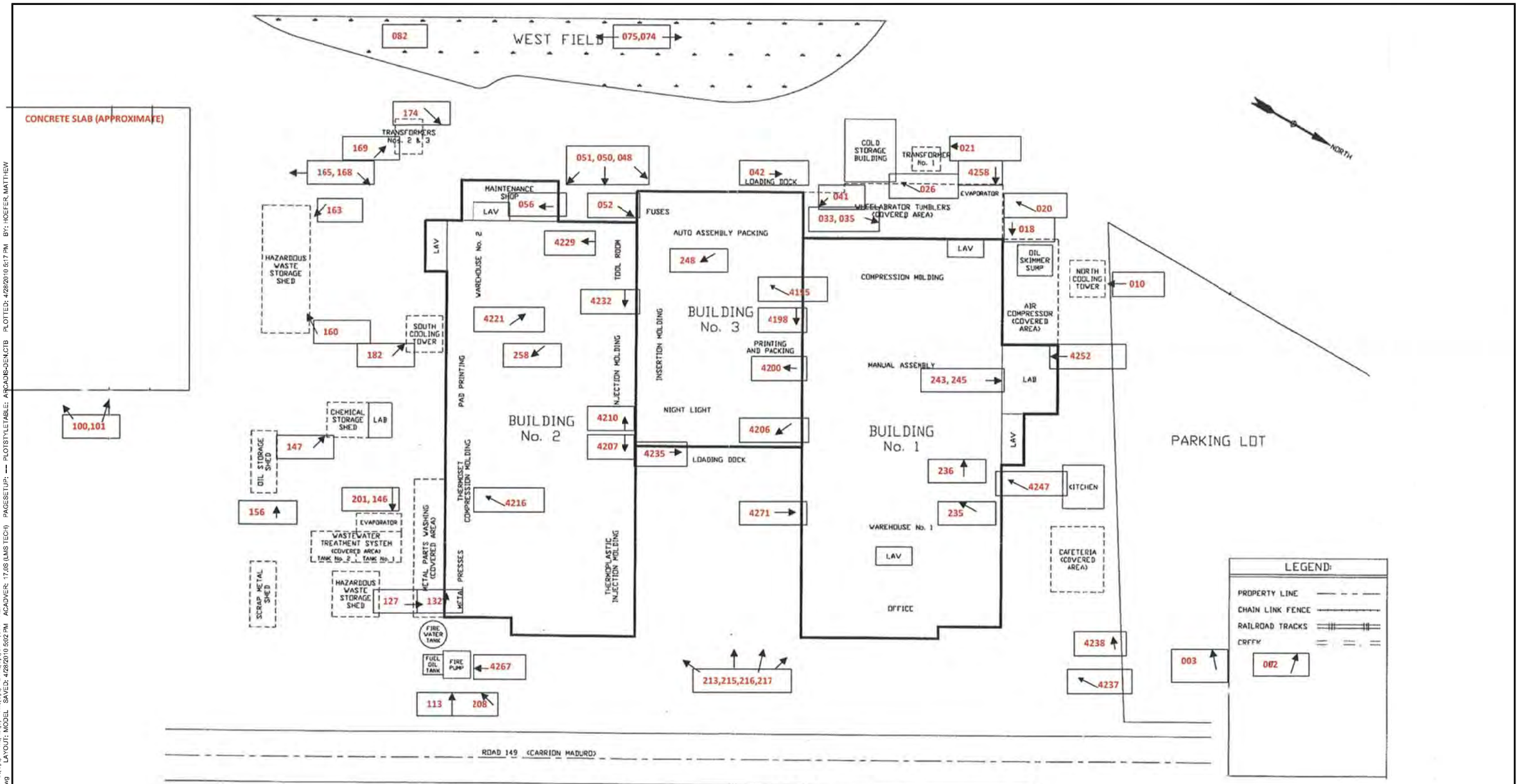

Photo log id, approximate location, and approximate direction in which photo was taken

GENERAL ELECTRIC
JUANA DIAZ OPERATIONS PLANT
REPORT

PHOTO LOCATION MAP

ARCADIS

FIGURE
4

Appendix B

Site Photographs

(4271) Chipping paint at Central Building

(4198) Panoramic view of interior of central building, facing east

(4200) Floor stain at central building

(4206) Corrugated packing material area

(4207) Panoramic view of the building facing east

(4210) Tool room at the corner of south building,panoramic view of the south building facing west

(4216) South side of the south building, note stained floor, and drum with fluorescent lights.

(4221) De-burring materials pails (4) for the Wheelabrator (de-burring machine) and drum with some domestic wastes.

(4195) Panoramic view of interior of central building, facing southwest

(4229) South building interior, facing south.

(4232) South building interior, facing east.

(4235) East exterior side of the center building (Warehouse); note loading docks.

(4237) Northeast corner of the north building, note chipping paint on the hand rails.

(4238) Northeast corner of the cafeteria building, note chipping paint on the hand rails.

(4247) Chipping paint on the exterior side of the north building.

(4252) Chipping paint and rust in the exterior of the laboratory door.

(4258) Chipping paint in the exterior of the north building, near the former dust collector area.

(4267) Generator for fire control system

(002) Panoramic view of parking lot facing northwest.

(003) Panoramic view of parking lot facing west.

(010) Former cooling towers sump and chillers area

(018) Air Compressor area and oil traps

(020) Water Evaporator for the water that came out of the air compressor, drum with domestic wastes observed here

(021) Electrical substation located at the northwest corner of site.

(026) Former location of the Cool Storage Building

(033) De-flashing/de-burring Area, former dust collector location at the left background

(035) Unused plastic components

(041) QC Holding Area

(042) Loading/unloading rack, waste container location (cardboard)

(048)West side of North Building

(050) West side of Center building

(051) West side of South building, maintenance room in the foreground

(052) Propane gas controls room

(056) Stained floor within the maintenance room.

(074) Panoramic of west field area, facing north.

(075) Panoramic of west field area, facing south.

(082) Interior of one of the catch basins located at the west of the site.

(182) Former cooling tower and chillers area for the south building

(100) Portion of concrete slab at the south portion used for the mercury remediation, facing southwest.

(101) Portion of concrete slab at the south portion used for the mercury remediation, facing west.

(113) Interior of one of the manholes located due west of the site.

(127) Portion of the Nickel Remediation Area located at the Plating area

(132) Plating area, facing west

(147) Chemical raw materials storage area, facing northwest

(156) New and used oil storage, facing west.

(163) Hazardous waste storage area, facing southeast

(165) Gas cylinder storage area,facing south.

(169)Former location of transformer area TA2, facing northwest.

(168) South side of south building,facing northeast.

(174) Former location of transformer area TA1 (demolished) , facing northeast.

(258) Thermoset machines former area, facing southeast.

(201) Water accumulated at the sump of the former wastewater treatment plant area

(208) Fire control system area, from left to right: portion of the water tank, portion of piping and the generator/pump room. Small (approx 500 gallons) aboveground storage tank for diesel located between the water tank and the generator room.

(213) Northeast corner of the south building, facing southwest.

(215) East side of the south building, facing west.

(216) South side of the north building, facing northwest.

(217) Southeast corner of the north building, facing northwest.

(235) Interior of the north building , facing southwest.

(236) Interior of the north building , facing west.

(243) Vinyl Floor Tile condition at the laboratory.

(245) Stained floor and vinyl Floor Tile condition at the laboratory.

(248) Former oil pumps area for the thermoset machines.

(160) Hazardous waste storage area, facing southwest

(146) Former Wastewater Treatment Plant location.

Appendix C

Historical Topographic Maps

GE Lighting Juana Diaz
Carrion Maduro Street
Juana Diaz, PR 00795

Inquiry Number: 2737200.4
April 08, 2010

The EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
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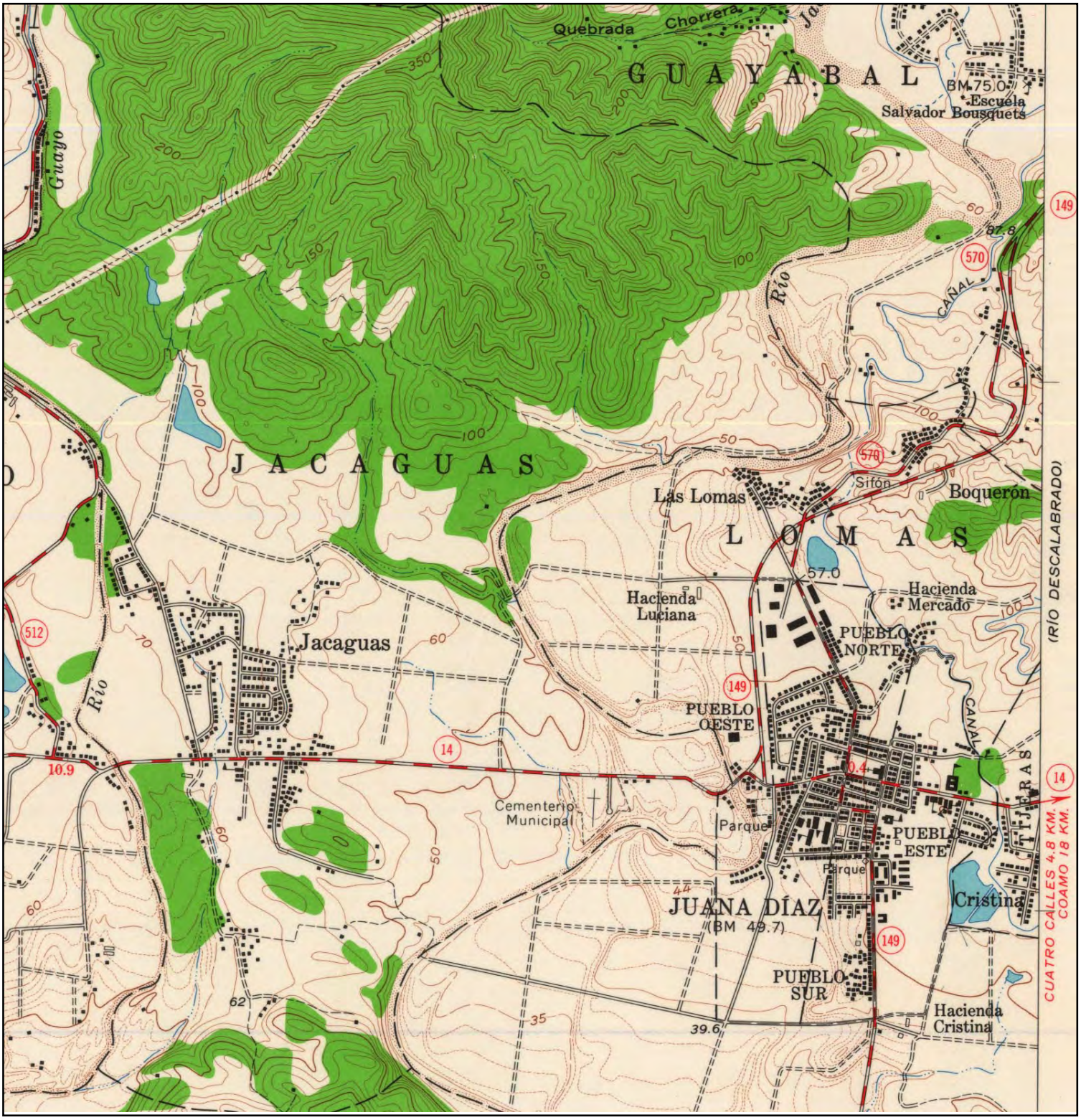
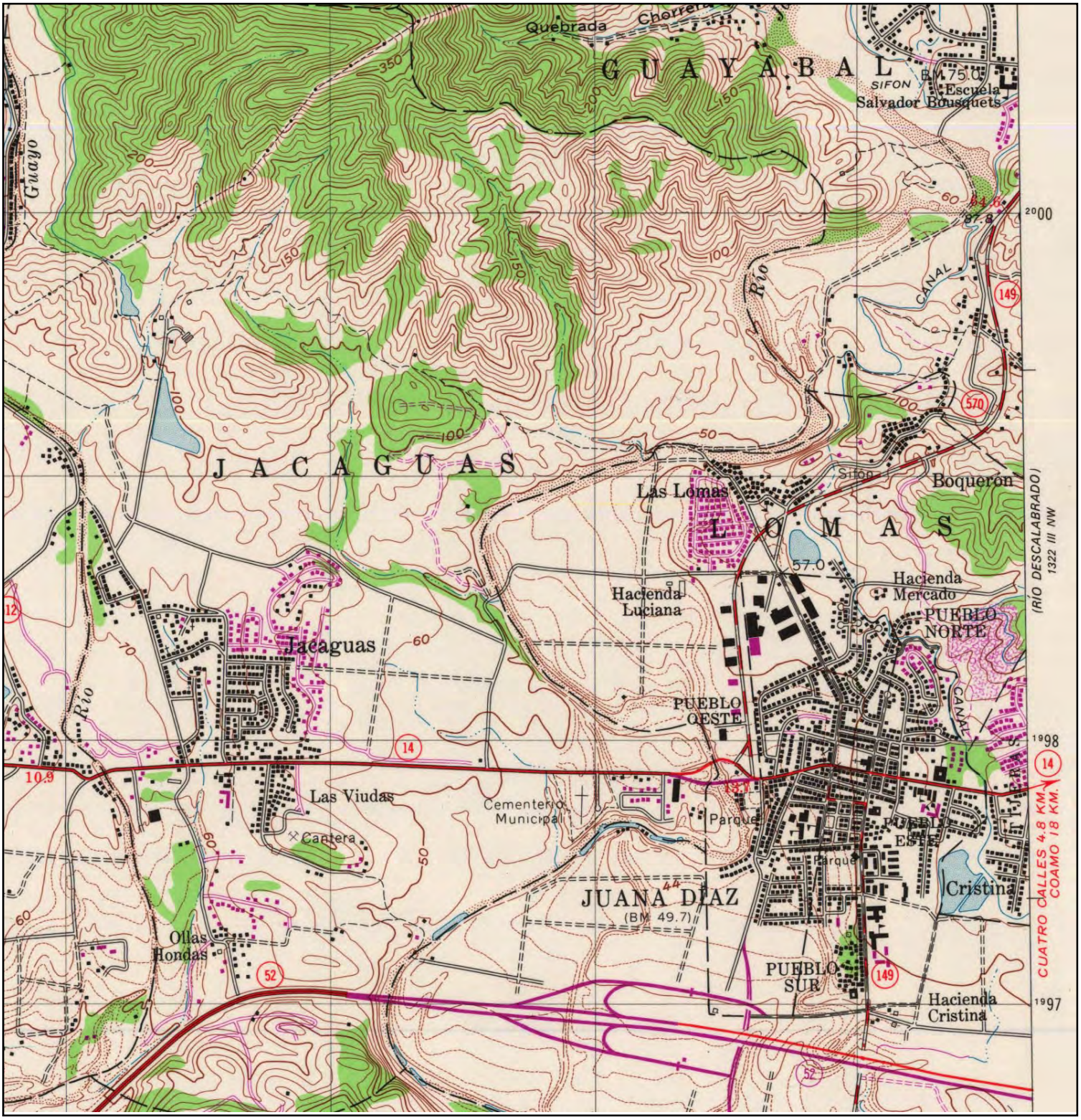
Historical Topographic Map



N	TARGET QUAD NAME: Ponce, PR MAP YEAR: 1960 SERIES: 7.5 SCALE: 1:20,000	SITE NAME: GE Lighting Juana Diaz ADDRESS: Carrion Maduro Street Juana Diaz, PR 00795 LAT/LONG: 18.0586 / 66.5084	CLIENT: ARCADIS U.S., Inc. CONTACT: Ken Gallagher INQUIRY#: 2737200.4 RESEARCH DATE: 04/08/2010

Historical Topographic Map



N	TARGET QUAD NAME: Ponce, PR MAP YEAR: 1982 PHOTOREVISED FROM:1970 SERIES: 7.5 SCALE: 1:20,000	SITE NAME: GE Lighting Juana Diaz ADDRESS: Carrion Maduro Street Juana Diaz, PR 00795 LAT/LONG: 18.0586 / 66.5084	CLIENT: ARCADIS U.S., Inc. CONTACT: Ken Gallagher INQUIRY#: 2737200.4 RESEARCH DATE: 04/08/2010

Appendix D

Aerial Photographs

GE Lighting Juana Diaz
Carrion Maduro Street
Juana Diaz, PR 00795

Inquiry Number: 2737200.5
April 06, 2010

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
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800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography April 06, 2010

Target Property:

Carrion Maduro Street

Juana Diaz, PR 00795

Year	***Scale***	***Details***	***Source***
1977	Aerial Photograph. Scale: 1"=1000'	Panel #: /Flight Date: March 14, 1977	EDR
1991	Aerial Photograph. Scale: 1"=1000'	Panel #: /Flight Date: November 01, 1991	EDR

INQUIRY #: 2737200.5
YEAR: 1977
= 1000'
N

INQUIRY #: 2737200.5
YEAR: 1991
= 1000'
N

Appendix E

Sanborn Fire insurance Maps

GE Lighting Juana Diaz
Carrion Maduro Street
Juana Diaz, PR 00795

Inquiry Number: 2737200.3
April 05, 2010

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

4/05/10

Site Name:
GE Lighting Juana Diaz
Carrion Maduro Street
Juana Diaz, PR 00795

Client Name:
ARCADIS U.S., Inc.
8222 South 48th Street
Phoenix, AZ 85044

EDR Inquiry # 2737200.3

Contact: Ken Gallagher

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by ARCADIS U.S., Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: GE Lighting Juana Diaz
Address: Carrion Maduro Street
City, State, Zip: Juana Diaz, PR 00795
Cross Street:
P.O. # NA
Project: CO001525.00001
Certification # 397A-46F5-9482

Sanborn® Library search results
Certification # 397A-46F5-9482

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix H

EDR Database Search Report

GE Lighting Juana Diaz
Carrion Maduro Street
Juana Diaz, PR 00795

Inquiry Number: 2737200.2s
April 06, 2010

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	28
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
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Physical Setting Source Records Searched	A-21

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

CARRION MADURO STREET
JUANA DIAZ, PR 00795

COORDINATES

Latitude (North):	18.058600 - 18˚ 3' 31.0''
Longitude (West):	66.508400 - 66˚ 30' 30.2''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	763751.5
UTM Y (Meters):	1998327.0
Elevation:	184 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	N/A
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

EXECUTIVE SUMMARY

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Underground Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

EXECUTIVE SUMMARY

Local Land Records

LIENS 2	CERCLA Lien Information
LUCIS	Land Use Control Information System

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA-NonGen	RCRA - Non Generators
DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
UMTRA	Uranium Mill Tailings Sites
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
COAL ASH DOE	Sleam-Electric Plan Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal Delisted NPL site list

Delisted NPL: The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may deleted from the NPL where no further response is appropriate.

A review of the Delisted NPL list, as provided by EDR, and dated 12/01/2009 has revealed that there is 1 Delisted NPL site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARIBE GENERAL ELECTRIC PRODUC	*CARR 149 KM 67*	*SSE 1/8 - 1/4 (0.208 mi.)*	*1*	*7*

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 06/30/2009 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARIBE GENERAL ELECTRIC PRODUC	*CARR 149 KM 67*	*SSE 1/8 - 1/4 (0.208 mi.)*	*1*	*7*

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/11/2009 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARIBE GENERAL ELECTRIC PRODUC	*CARR 149 KM 67*	*SSE 1/8 - 1/4 (0.208 mi.)*	*1*	*7*

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA)

of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 01/13/2010 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARIBE GENERAL ELECTRIC PRODUC	*CARR 149 KM 67*	*SSE 1/8 - 1/4 (0.208 mi.)*	*1*	*7*

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 01/13/2010 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARIBE GENERAL ELECTRIC PRODUC	*CARR 149 KM 67*	*SSE 1/8 - 1/4 (0.208 mi.)*	*1*	*7*

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 10/01/2009 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARIBE GENERAL ELECTRIC PRODUC	*CARR 149 KM 67*	*SSE 1/8 - 1/4 (0.208 mi.)*	*1*	*7*

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 12/01/2009 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

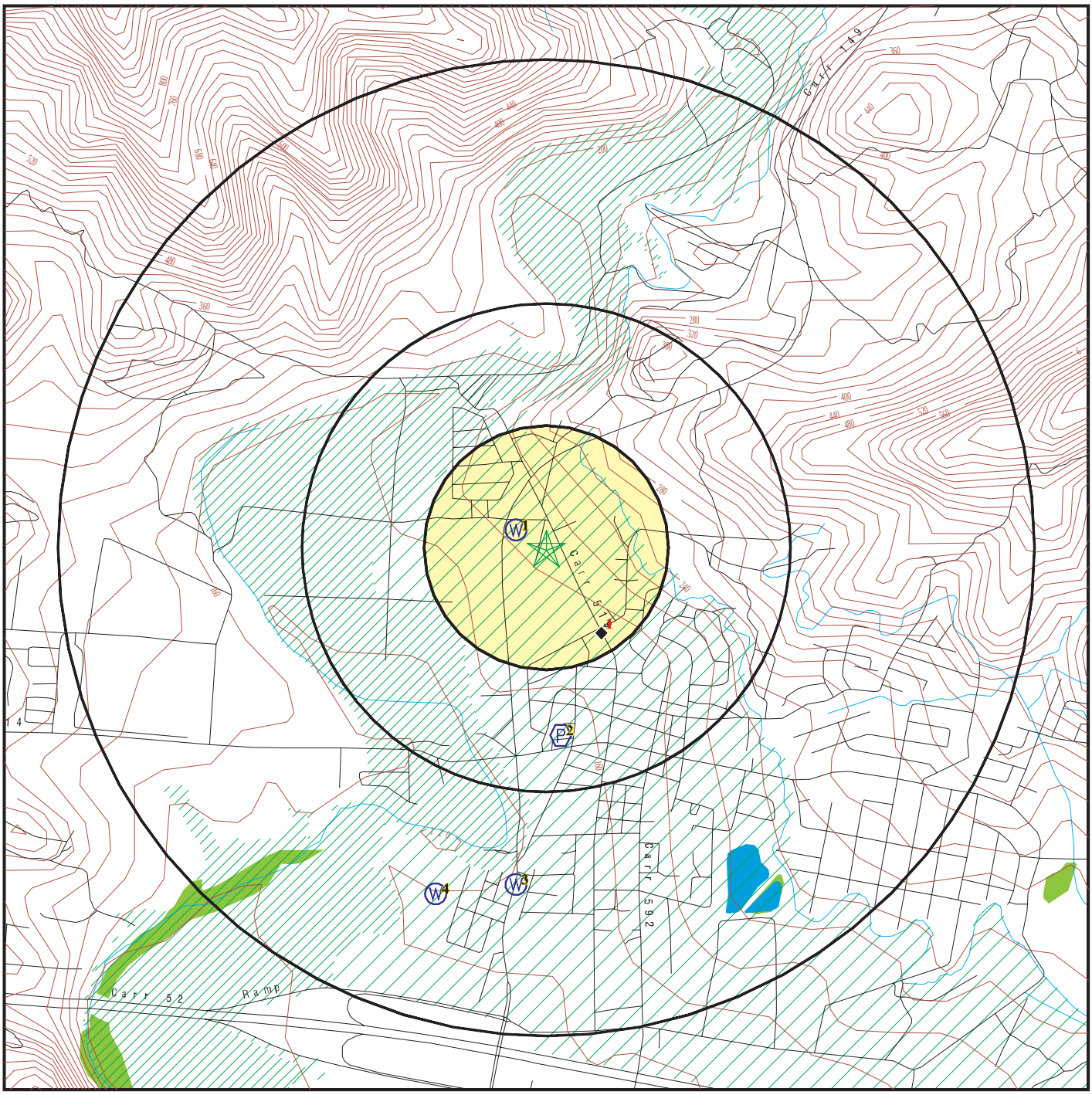
Lower Elevation	Address	Direction / Distance	Map ID	Page
CARIBE GENERAL ELECTRIC PRODUC	*CARR 149 KM 67*	*SSE 1/8 - 1/4 (0.208 mi.)*	*1*	*7*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
KM 667	RCRA-TSDF, CORRACTS, RCRA-CESQG, FINDS, MANIFEST
RT 1	CERC-NFRAP, RCRA-CESQG
KM 663 LAMAS WARD	CERC-NFRAP
GULF #0167	LUST
SHELL S/S #000736	LUST
CARR 199 KM 65.0 BO. GUAYABAL	LUST
TEXACO- ALFREDO MERCADO S/S 852	LUST
NRTF FORT ALLEN PR	LUST
JUANA DIAZ TRAINING SITE	LUST
GUARDIA NACIONAL DE PUERTO RICO	LUST
JUANA DIAZ CELULAR	UST
SUBESTACION DE JUANA DIAZ	UST
FORT ALLEN BUILDING 217	UST
TEXACO # 799	UST
ASDA JUANA DIAZ	UST
JUANA DIAZ SOUTH TOLL PLAZA	UST
TEXACO # 204-JORGE CASTRODAD	UST
US ARMY RESERVE CENTER LTC. HERN	UST
JUANA DIAZ NORTH TOLL PLAZA	UST
JUANA DIAZ TRAINING SITE	UST
JUANA DIAZ C.O.	UST
JUANA DIAZ TOLL	UST
OBRAS PUBLICAS MUNICIPALES MUNICIP	UST
JUANA DIAZ TERRAZO MARVEL	UST
DOMINGO RAMOS	UST
213 CALLE KOREA PARCELLAS AGUI	RCRA-NonGen, FINDS
CALLE LA CRUZ	RCRA-NonGen, FINDS
18 CALLE LA CRUZ	RCRA-NonGen, FINDS
CARR 1	RCRA-NonGen, FINDS
CARR 14	RCRA-NonGen, FINDS
CARR 1	RCRA-NonGen, FINDS
CARR PRAIRIE 14	RCRA-NonGen, FINDS
147 TOMAS CARRION MADURO AVE	RCRA-NonGen, FINDS
RIVERA ESSO SERVICE CENTER	RCRA-NonGen, FINDS
CARR 149	RCRA-CESQG, FINDS
CARR 129 & HWY 22	RCRA-CESQG, FINDS
FORT ALLEN STATE RD	RCRA-CESQG, FINDS
FELIPE COLON DIAZ	FINDS
CARIBE GENERAL ELECTRIC PRODUCT JU	ICIS
PRASA JUANA DIAZ URBANO	ICIS
PRASA JUANA DIAZ WTP	ICIS

OVERVIEW MAP - 2737200.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: GE Lighting Juana Diaz ADDRESS: Carrion Maduro Street Juana Diaz PR 00795 LAT/LONG: 18.0586 / 66.5084	CLIENT: ARCADIS U.S., Inc. CONTACT: Jim Gillette INQUIRY #: 2737200.2s DATE: April 06, 2010 1:51 pm

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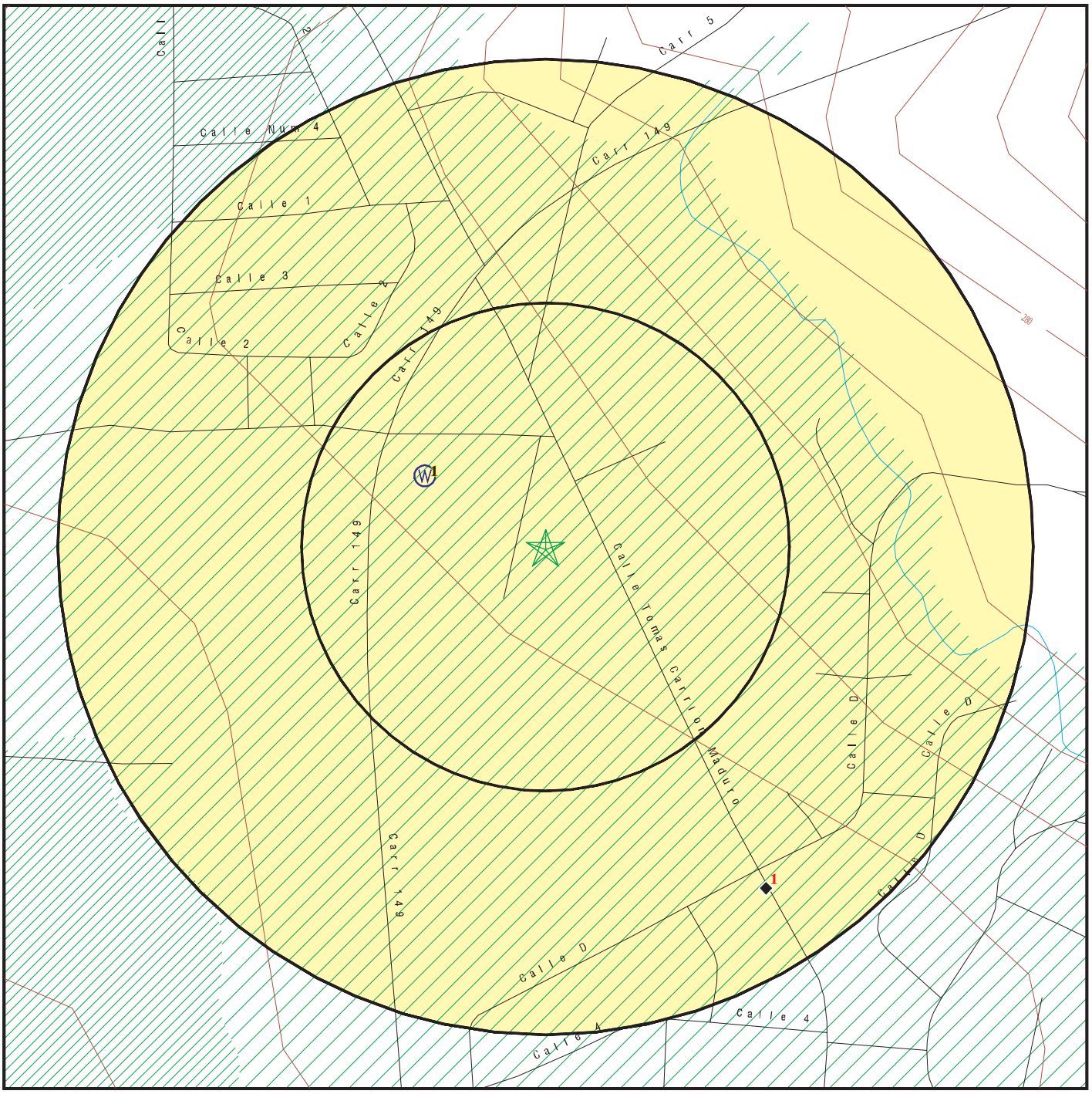
DETAIL MAP - 2737200.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: GE Lighting Juana Diaz	CLIENT: ARCADIS U.S., Inc.
ADDRESS: Carrion Maduro Street Juana Diaz PR 00795	CONTACT: Jim Gillette INQUIRY #: 2737200.2s
LAT/LONG: 18.0586 / 66.5084	DATE: April 06, 2010 1:51 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	1	0	0	NR	1
Federal CERCLIS list								
CERCLIS		0.500	0	1	0	NR	NR	1
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	1	0	0	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	1	0	NR	NR	1
Federal RCRA generators list								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	1	0	NR	NR	1
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State and tribal leaking storage tank lists								
LUST		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	1	0	0	NR	1
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

1	**CARIBE GENERAL ELECTRIC PRODUCT JUANA DI**	**RCRA-TSDF**	**1000437022**
SSE	**CARR 149 KM 67**	**Delisted NPL**	**PRD090282757**
1/8-1/4	**JUANA DIAZ, PR 00665**	**CERCLIS**	
0.208 mi.		**CORRACTS**	
1100 ft.		**RCRA-CESQG**	
		US ENG CONTROLS	
Relative:		**ROD**	
Lower		**FINDS**	

Actual:
166 ft.

RCRA-TSDF:

Date form received by agency:	01/01/2008
Facility name:	CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Facility address:	CARR 149 KM 67 JUAN DIAZ PLANT JUANA DIAZ, PR 00665
EPA ID:	PRD090282757
Mailing address:	PO BOX 1430 JUANA DIAZ, PR 00665
Contact:	Not reported
Contact address:	PO BOX 1430 JUANA DIAZ, PR 00665
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
TSD commencement date:	Not reported
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	PUERTO RICO INDUSTRIAL DEVELOPMENT CO
Owner/operator address:	PO BOX 2350 SAN JUAN, PR 00936
Owner/operator country:	US
Owner/operator telephone:	(787) 767-4747
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1600
Owner/Op end date:	Not reported
Owner/operator name:	GENERAL ELECTRIC CO
Owner/operator address:	KM 67 CARR 149

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

OPERCITY, PR 99999
Owner/operator country: US
Owner/operator telephone: (787) 837-2500
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1600
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Classification: Large Quantity Generator

Date form received by agency: 02/27/1998
Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Site name: CARIBE GENERAL ELECTRIC PRODUCTS INC.
Classification: Large Quantity Generator

Date form received by agency: 02/29/1996
Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Site name: CARIBE GENERAL ELECTRIC PRODUCTS INC.
Classification: Large Quantity Generator

Date form received by agency: 09/21/1994
Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Classification: Large Quantity Generator

Date form received by agency: 02/28/1994
Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Site name: CARIBE GENERAL ELECTRIC PRODUCTS INC.
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Site name: CARIBE GENERAL ELECTRIC PRODUCTS INC.
Classification: Large Quantity Generator

Date form received by agency: 02/27/1990

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Site name: CARIBE GENERAL ELECTRIC PRODUCTS INC.
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Classification: Large Quantity Generator

Date form received by agency: 12/31/1979
Facility name: CARIBE GENERAL ELECTRIC PRODUCT JUANA DI
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 09/30/1981
Event: CA770NG

Event date: 05/10/1989
Event: RFA Completed

Event date: 09/30/1990
Event: CA770NG

Event date: 02/24/1993
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 09/22/1997
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 09/30/2000
Event: CA770NG

Event date: 10/30/2000
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 09/27/2001
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 09/27/2001
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 09/30/2001
Event: CA770NG

Event date: 09/27/2007
Event: CA550RC

Event date: 09/27/2007
Event: Date For Remedy Selection (CM Imposed)

Facility Has Received Notices of Violations:

Regulation violated: FR - 40cfr262.34(a)(2)
Area of violation: Generators - General
Date violation determined: 03/27/2000
Date achieved compliance: 04/17/2000
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr262.34(a)(4)
Area of violation: Generators - General
Date violation determined: 03/27/2000
Date achieved compliance: 04/17/2000
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr262.34(a)(3)
Area of violation: Generators - General
Date violation determined: 03/27/2000
Date achieved compliance: 04/17/2000
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr262.11

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Area of violation: Generators - General
Date violation determined: 03/27/2000
Date achieved compliance: 04/17/2000
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr279.22(c)
Area of violation: Generators - General
Date violation determined: 03/27/2000
Date achieved compliance: 04/17/2000
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr265.54(d)
Area of violation: Generators - General
Date violation determined: 03/27/2000
Date achieved compliance: 04/17/2000
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/13/1989
Date achieved compliance: 01/05/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/30/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Date violation determined: 06/02/1987
Date achieved compliance: 10/16/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/09/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/17/1986
Date achieved compliance: 10/16/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/09/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 07/30/1986
Date achieved compliance: 08/11/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/04/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/27/1986
Date achieved compliance: 02/09/1988
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/25/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 6500
Final penalty amount: 6500
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/27/1986

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Date achieved compliance: 02/09/1988
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/15/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/27/1986
Date achieved compliance: 02/09/1988
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 02/03/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/27/1986
Date achieved compliance: 07/29/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/15/1985
Date achieved compliance: 03/28/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/15/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/15/1984
Date achieved compliance: 03/28/1985

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/19/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/15/1984
Date achieved compliance: 03/28/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/15/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/24/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/17/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/24/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/30/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/02/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/17/2000
Evaluation lead agency: EPA

Evaluation date: 09/17/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/29/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/13/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/05/1990
Evaluation lead agency: State

Evaluation date: 09/20/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/02/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD - General
Date achieved compliance: 10/16/1987
Evaluation lead agency: State

Evaluation date: 09/17/1986
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD - General
Date achieved compliance: 10/16/1987
Evaluation lead agency: State

Evaluation date: 07/30/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 08/11/1986
Evaluation lead agency: State

Evaluation date: 06/27/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/29/1987
Evaluation lead agency: State

Evaluation date: 06/27/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/09/1988
Evaluation lead agency: State

Evaluation date: 12/12/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Evaluation date: 11/15/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/28/1985
Evaluation lead agency: State

Evaluation date: 11/15/1984
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - General
Date achieved compliance: 03/28/1985
Evaluation lead agency: State

Delisted NPL:
EPA ID: PRD090282757
Site ID: 0202464
EPA Region: 02
Federal: No
Deleted Date: 10/16/2000

Category Details:
NPL Status: Deleted from the Final NPL
Category Description: Depth To Aquifer-> 25 And <= 50 Feet
Category Value: 27 FTBGS

NPL Status: Deleted from the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 1000

Site Details:
Site Name: GE WIRING DEVICES
Site Status: Deleted
Site Zip: 00665
Site City: JUANA DIAZ
Site State: PR
Federal Site: No
Site County: JUANA DIAZ MUNICIPALITY
EPA Region: 02
Date Proposed: 12/30/82
Date Deleted: 10/16/2000
Date Finalized: 09/08/83

Substance Details:
NPL Status: Deleted from the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Deleted from the Final NPL
Substance ID: C460
Substance: MERCURY
CAS #: 7439-97-6
Pathway: GROUND WATER PATHWAY
Scoring: 3

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

NPL Status: Deleted from the Final NPL
Substance ID: C460
Substance: MERCURY
CAS #: 7439-97-6
Pathway: SURFACE WATER PATHWAY
Scoring: 3

NPL Status: Deleted from the Final NPL
Substance ID: U188
Substance: PHENOL
CAS #: 108-95-2
Pathway: NO PATHWAY INDICATED
Scoring: 1

Summary Details:

Conditions at listing December 1982): The General Electric Co. Wiring Devices Site in Juana Dia , Puerto Rico, is a 5-acre facility that formerly manufactured mercury light switches. On the property is a 0.5-acre inactive open dump for off-specification products. It is possible for contaminants to erode from the dump, which is uncovered, onto a farm. The site, located in a residential area, is fenced. A small amount of debris from the dump is just outside the fence. A public water supply well is located within 1,200 feet of the site. EPA has not detected mercury in the air or well. Testing by the company for the Puerto Rico Environmental Quality Board EQB) has found mercury in the open dump. Status July 1983): The company plans to clean up the site. It has hired a consultant to determine the extent of ground water and soil contamination and to present evidence that a continuous clay layer underlies the open dump. EPA is working with EQB and the company in efforts to clean up the site.

Site Status Details:
NPL Status: Deleted
Proposed Date: 12/30/1982
Final Date: 09/08/1983
Deleted Date: 10/16/2000

Narratives Details:
NPL Name: GE WIRING DEVICES
City: JUANA DIAZ
State: PR

CERCLIS:
Site ID: 0202464
Federal Facility: Not a Federal Facility
NPL Status: Deleted from the Final NPL
Non NPL Status: Not reported

CERCLIS Site Contact Name(s):
Contact Name: Not reported
Contact Tel: Not reported
Contact Title: 20000

Contact Name: Not reported
Contact Tel: Not reported
Contact Title: 20001

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Site Description: 0.5-ACRE INACTV WASTE FILL, CONTAINING MERCURY, W/IN ACTV 5-ACRE FACILITY MFRG MERCURY LIGHT SWITCHES. IN RESIDENTIAL AREA AND FLOOD EROSION ONTO FARM & SOIL CONTAM & GRNDWTR POSSIBLE. GE SEEKING TO UNDERTAKE REMEDIAL ACTION.The site is located in the south central part of the island of Puerto Rico in the municipality of Juana Diaz. The General Electric Company (G.E.) operates a wiring devices plant at the site, manufacturing various residential, institutional, and commercial electrical devices, such as night lights, wall outlets, and switches. The plant covers about six acres, and include a 1.1 acre waste-fill area, referred to as West Field, that is the source of mercury contamination. G.E. has not used mercury in its manufacturing process at the Juana Diaz plant since 1970.Several residences are located about 400 feet south of the West Field area. Groundwater in the area is used as a source of potable water. A public supply well is located about 1,500feet west of the waste fill area.From 1957 until 1969, G.E. used the waste-fill area known as West Field to dispose of defective electrical components, including parts from silent mercury switches. Site investigations confirmed that the mercury is tightly bound to the components in the waste-fill area and has not migrated or entered the groundwater. Based on available data, including sampling and analysis by EPA in April 1982, the site was included on the National Priorities List in December 1982. In September 1988 EPA selected a remedy and issued a Record of Decision (ROD) for the site. The original remedy was deemed not feasible, and a ROD Amendment was issued in July of 1999.

CERCLIS Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	6/1/1981 0:00:00
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	4/1/1982 0:00:00
Priority Level:	Low priority for further assessment
Action:	HRS PACKAGE
Date Started:	Not reported
Date Completed:	12/1/1982 0:00:00
Priority Level:	Not reported
Action:	SITE INSPECTION
Date Started:	Not reported
Date Completed:	12/1/1982 0:00:00
Priority Level:	Higher priority for further assessment
Action:	PROPOSAL TO NPL
Date Started:	Not reported
Date Completed:	12/30/1982 0:00:00
Priority Level:	Not reported
Action:	FINAL LISTING ON NPL
Date Started:	Not reported
Date Completed:	9/8/1983 0:00:00
Priority Level:	Not reported
Action:	NPL RP SEARCH
Date Started:	Not reported
Date Completed:	11/15/1983 0:00:00
Priority Level:	Not reported

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Action: RD/RA NEGOTIATIONS
Date Started: 11/15/1983 0:00:00
Date Completed: 1/16/1984 0:00:00
Priority Level: Not reported

Action: ADMIN ORDER ON CONSENT
Date Started: Not reported
Date Completed: 1/16/1984 0:00:00
Priority Level: Not reported

Action: RI/FS NEGOTIATIONS
Date Started: 11/15/1983 0:00:00
Date Completed: 2/15/1984 0:00:00
Priority Level: Not reported

Action: PRP RI/FS
Date Started: 1/16/1984 0:00:00
Date Completed: 9/30/1988 0:00:00
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 9/30/1988 0:00:00
Priority Level: Not reported

Action: REMOVAL ASSESSMENT
Date Started: 7/11/1990 0:00:00
Date Completed: 9/11/1990 0:00:00
Priority Level: Stabilized

Action: PRP RD
Date Started: 4/23/1990 0:00:00
Date Completed: 5/30/1991 0:00:00
Priority Level: Not reported

Action: REMEDIAL DESIGN
Date Started: 9/30/1988 0:00:00
Date Completed: 7/30/1991 0:00:00
Priority Level: Not reported

Action: TREATABILITY STUDY
Date Started: Not reported
Date Completed: 9/30/1991 0:00:00
Priority Level: Unknown

Action: PREPARATION OF COST DOCM PKGE
Date Started: Not reported
Date Completed: 8/21/1992 0:00:00
Priority Level: Not reported

Action: REMOVAL ASSESSMENT
Date Started: 9/22/1992 0:00:00
Date Completed: 9/23/1992 0:00:00
Priority Level: Stabilized

Action: PRP RA
Date Started: 5/30/1991 0:00:00

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Date Completed: 3/31/1993 0:00:00
Priority Level: Not reported

Action: RISK/HEALTH ASSESSMENT
Date Started: 6/7/1993 0:00:00
Date Completed: 9/30/1993 0:00:00
Priority Level: Not reported

Action: ADMIN/VOLUNTARY COST RECOVERY
Date Started: Not reported
Date Completed: 1/6/1994 0:00:00
Priority Level: Not reported

Action: PRP RD
Date Started: 9/14/1994 0:00:00
Date Completed: 2/22/1996 0:00:00
Priority Level: Not reported

Action: Lodged By DOJ
Date Started: Not reported
Date Completed: 10/31/1997 0:00:00
Priority Level: Not reported

Action: SECTION 107 LITIGATION
Date Started: 9/29/1995 0:00:00
Date Completed: 2/9/1998 0:00:00
Priority Level: Not reported

Action: CONSENT DECREE
Date Started: Not reported
Date Completed: 2/9/1998 0:00:00
Priority Level: Not reported

Action: ROD Amendment
Date Started: Not reported
Date Completed: 7/1/1999 0:00:00
Priority Level: Final Remedy Selected at Site

Action: PRP RA
Date Started: 2/22/1996 0:00:00
Date Completed: 5/26/2000 0:00:00
Priority Level: Not reported

Action: CLOSE OUT REPORT
Date Started: Not reported
Date Completed: 6/20/2000 0:00:00
Priority Level: Not reported

Action: DELETION FROM NPL
Date Started: Not reported
Date Completed: 10/16/2000 0:00:00
Priority Level: Not reported

Action: COMMUNITY INVOLVEMENT
Date Started: 1/16/1984 0:00:00
Date Completed: 12/30/2000 0:00:00
Priority Level: Not reported

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Action: STATE SUPPORT AGENCY COOP AGREEMENT
Date Started: 9/19/1991 0:00:00
Date Completed: 1/14/2002 0:00:00
Priority Level: Not reported

CORRACTS:

EPA ID: PRD090282757
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 2/24/1993
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 5/10/1989
Action: CA050 - RFA Completed
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 9/22/1997
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 9/27/2001
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 335931 335122 335313

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: 08/01/2000
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 9/27/2001
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 9/27/2007
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 9/27/2007
Action: CA550RC
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 9/30/1981
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SWMU #4
Actual Date: 9/30/1990
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SWMU #2
Actual Date: 9/30/1990
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SWMU #3
Actual Date: 9/30/1990
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SWMU #1
Actual Date: 9/30/2000
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Area Name: SWMU #7
Actual Date: 9/30/2001
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: AOC - A
Actual Date: 9/30/2001
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: AOC - B
Actual Date: 9/30/2001
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SWMU #5
Actual Date: 9/30/2001
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SWMU #6
Actual Date: 9/30/2001
Action: CA770NG
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PRD090282757
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 10/30/2000
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 335931 335122 335313
Current-Carrying Wiring Device Manufacturing
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
Switchgear and Switchboard Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

US ENG CONTROLS:
EPA ID: PRD090282757
Site ID: 0202464
Name: GE WIRING DEVICES
Address: KM 67 CARRETERA NO 149
JUANA DIAZ, PR 00665
EPA Region: 02
County: JUANA DIAZ MUNICIPALITY
Event Code: Not reported
Actual Date: Not reported

Action ID: Not reported
Action Name: Not reported
Action Completion date: Not reported
Planned Complet. date: Not reported
Operable Unit: Not reported
Contaminated Media : Not reported
Engineering Control: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1988
Planned Complet. date: 9/30/1988
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Filtration

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1988
Planned Complet. date: 9/30/1988
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Other, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1988

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

Planned Complet. date: 9/30/1988
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Other, (N.O.S.)

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 7/1/1999
Planned Complet. date: 12/31/1998
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Disposal

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 7/1/1999
Planned Complet. date: 12/31/1998
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Disposal

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 7/1/1999
Planned Complet. date: 12/31/1998
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Excavation

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 7/1/1999
Planned Complet. date: 12/31/1998
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Revegetation

Action ID: 001
Action Name: ROD Amendment
Action Completion date: 7/1/1999
Planned Complet. date: 12/31/1998
Operable Unit: 01
Contaminated Media : Solid Waste
Engineering Control: Disposal

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

FINDS:

Registry ID: 110000907957

Environmental Interest/Information System
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI (Continued) **1000437022**

these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

City	EDR ID	Site Name	Site Address	Zip	Database(s)
JUANA DIAZ	U003431076	JUANA DIAZ CELULAR	RD. #510, CERRO AMUELAS	00795	UST
JUANA DIAZ	1000476242		RT 1	00795	CERC-NFRAP, RCRA-CESQG
JUANA DIAZ	U003430888	SUBESTACION DE JUANA DIAZ	RD. 510 KM 3.3 FORTUNA WARD	00795	UST
JUANA DIAZ	1003864395		KM 663 LAMAS WARD	00795	CERC-NFRAP
JUANA DIAZ	1000192934		KM 667	00795	RCRA-TSDF, CORRACTS, RCRA-CE FINDS, MANIFEST
JUANA DIAZ	1011477807	FELIPE COLON DIAZ	CALLE MARIANO ABRIL	00795	FINDS
JUANA DIAZ	1004778840		213 CALLE KOREA PARCELLAS AGUI	00795	RCRA-NonGen, FINDS
JUANA DIAZ	1000875232		CALLE LA CRUZ	00795	RCRA-NonGen, FINDS
JUANA DIAZ	1000891064		18 CALLE LA CRUZ	00795	RCRA-NonGen, FINDS
JUANA DIAZ	S101442746	GULF #0167	CALLE 14 KM 10.8 BO. COLLORES		LUST
JUANA DIAZ	S105421715	SHELL S/S #000736	CALLE BARBOSA		LUST
JUANA DIAZ	1011626591	CARIBE GENERAL ELECTRIC PRODUCT JU	CARR 149 KM 67	00795	ICIS
JUANA DIAZ	U003888511	FORT ALLEN BUILDING 217	CARR 149 KM 2	00795	UST
JUANA DIAZ	U004021928	TEXACO # 799	CARR # 14 KM 18.5 BO.RIO CA AS	00795	UST
JUANA DIAZ	1004778640		CARR 1	00795	RCRA-NonGen, FINDS
JUANA DIAZ	1001215991		CARR 14	00795	RCRA-NonGen, FINDS
JUANA DIAZ	1004779300		CARR 1	00795	RCRA-NonGen, FINDS
JUANA DIAZ	1004779100		CARR PRAIRIE 14	00795	RCRA-NonGen, FINDS
JUANA DIAZ	1006817727		CARR 149	00795	RCRA-CESQG, FINDS
JUANA DIAZ	S103553922		CARR 199 KM 65.0 BO. GUAYABAL		LUST
JUANA DIAZ	S105421725	TEXACO- ALFREDO MERCADO S/S 852	CARR 1 KM 113.1		LUST
JUANA DIAZ	1001225425		CARR 129 & HWY 22	00795	RCRA-CESQG, FINDS
JUANA DIAZ	U003432026	ASDA JUANA DIAZ	CARR. 149 KM. 66.3 INT. BARRI	00795	UST
JUANA DIAZ	1011606263	PRASA JUANA DIAZ URBANO	CARR. 149 KM 6.0	00795	ICIS
JUANA DIAZ	U003432212	JUANA DIAZ SOUTH TOLL PLAZA	CARR. 52	00795	UST
JUANA DIAZ	U003796801	TEXACO # 204-JORGE CASTRODAD	CARR. 510 KM. 2.0 SABANA LLAN	00795	UST
JUANA DIAZ	U003431592	US ARMY RESERVE CENTER LTC. HERN	CARR. 149 KM 2.0	00795	UST
JUANA DIAZ	U003761771	JUANA DIAZ NORTH TOLL PLAZA	CARR.P.R. 52	00795	UST
JUANA DIAZ	1011494107	PRASA JUANA DIAZ WTP	CARRETERA 149 KM. 66	00795	ICIS
JUANA DIAZ	U003431695	JUANA DIAZ TRAINING SITE	EDIF. 222 FUERTE ALLEN	00795	UST
JUANA DIAZ	S103553978	NRTF FORT ALLEN PR	FORD ALLEN U.S NAVAL STATION		LUST
JUANA DIAZ	S103554131	JUANA DIAZ TRAINING SITE	FORT ALLEN, EDIFICIO 222		LUST
JUANA DIAZ	S103554141	GUARDIA NACIONAL DE PUERTO RICO	FORT ALLEN TRAINING SITE DMS-9		LUST
JUANA DIAZ	1000152664		FORT ALLEN STATE RD	00795	RCRA-CESQG, FINDS
JUANA DIAZ	U003431075	JUANA DIAZ C.O.	MARIO BRACHI ST.	00795	UST
JUANA DIAZ	U003432159	JUANA DIAZ TOLL	PR-52	00795	UST
JUANA DIAZ	U003761692	OBRAS PUBLICAS MUNICIPALES MUNICIP	ROAD 149 BO. LOMAS	00795	UST
JUANA DIAZ	U003430435	JUANA DIAZ TERRAZO MARVEL	TIJERAS WARD	00795	UST
JUANA DIAZ	U003429971	DOMINGO RAMOS	TOMAS CARRION MADURO ST.	00795	UST
JUANA DIAZ	1001120623		147 TOMAS CARRION MADURO AVE	00795	RCRA-NonGen, FINDS
MANATI	1001225295	RIVERA ESSO SERVICE CENTER	CARR 2	00795	RCRA-NonGen, FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/01/2009
Date Data Arrived at EDR: 01/14/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2010
Next Scheduled EDR Contact: 04/26/2010
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/01/2009
Date Data Arrived at EDR: 01/14/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2010
Next Scheduled EDR Contact: 04/26/2010
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 03/01/2010
Next Scheduled EDR Contact: 05/31/2010
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/01/2009	Source: EPA
Date Data Arrived at EDR: 01/14/2010	Telephone: N/A
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 04/02/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/26/2010
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/30/2009	Source: EPA
Date Data Arrived at EDR: 08/11/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 03/30/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 07/12/2010
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of NPL and Base Realighnment & Closure sites found in the CERCLIS database where FERRO is involved in cleanup projects.

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 01/15/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/26/2010
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 03/11/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 06/14/2010
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2009	Source: EPA
Date Data Arrived at EDR: 12/29/2009	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 02/15/2010
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/31/2010
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 01/13/2010
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/19/2010
Next Scheduled EDR Contact: 04/19/2010
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 01/13/2010
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/19/2010
Next Scheduled EDR Contact: 04/19/2010
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 01/13/2010
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/19/2010
Next Scheduled EDR Contact: 04/19/2010
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 01/13/2010
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/19/2010
Next Scheduled EDR Contact: 04/19/2010
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/15/2010
Next Scheduled EDR Contact: 06/28/2010
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/15/2010
Next Scheduled EDR Contact: 06/28/2010
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/22/2010
Date Made Active in Reports: 02/11/2010
Number of Days to Update: 20

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/15/2010
Next Scheduled EDR Contact: 04/19/2010
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Environmental Quality Board
Telephone: 787-767-8181
Last EDR Contact: 08/22/2005
Next Scheduled EDR Contact: 11/21/2005
Data Release Frequency: N/A

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/01/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/22/2008
Number of Days to Update: 30

Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 02/23/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 12/01/2009
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 15

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 28

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/12/2009
Date Data Arrived at EDR: 11/12/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/02/2010
Date Data Arrived at EDR: 02/03/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 15

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/24/2009
Date Data Arrived at EDR: 11/25/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/07/2009
Date Data Arrived at EDR: 12/09/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 7

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal registered storage tank lists

UST: Underground Storage Tank Facilities
Underground storage tank site locations.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/23/2008
Number of Days to Update: 28

Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 02/23/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/12/2009
Date Data Arrived at EDR: 11/20/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 26

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/07/2009
Date Data Arrived at EDR: 12/09/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 7

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2009
Date Data Arrived at EDR: 11/05/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 41

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 02/08/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 9

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 12/01/2009	Source: EPA Region 8
Date Data Arrived at EDR: 12/01/2009	Telephone: 303-312-6137
Date Made Active in Reports: 12/16/2009	Last EDR Contact: 02/01/2010
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/02/2010	Source: EPA Region 10
Date Data Arrived at EDR: 02/03/2010	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 02/17/2010
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009	Source: EPA, Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 03/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 05/17/2010
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/01/2009	Source: FEMA
Date Data Arrived at EDR: 10/29/2009	Telephone: 202-646-5797
Date Made Active in Reports: 12/16/2009	Last EDR Contact: 01/18/2010
Number of Days to Update: 48	Next Scheduled EDR Contact: 05/03/2010
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/05/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/04/2009	Telephone: 202-566-2777
Date Made Active in Reports: 12/16/2009	Last EDR Contact: 03/23/2010
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/12/2010
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-972-3336
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 03/22/2010
Number of Days to Update: 137	Next Scheduled EDR Contact: 06/21/2010
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 02/08/2010
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/24/2010
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/19/2009
Date Data Arrived at EDR: 12/29/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/14/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 11/03/2009
Date Data Arrived at EDR: 11/05/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/17/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/06/2010
Next Scheduled EDR Contact: 04/12/2010
Data Release Frequency: Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 01/13/2010
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/19/2010
Next Scheduled EDR Contact: 04/19/2010
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/13/2009
Date Data Arrived at EDR: 11/10/2009
Date Made Active in Reports: 12/16/2009
Number of Days to Update: 36

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/09/2010
Next Scheduled EDR Contact: 05/24/2010
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 01/19/2010
Next Scheduled EDR Contact: 05/03/2010
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/30/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 62

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/18/2010
Next Scheduled EDR Contact: 06/28/2010
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 08/03/2009
Date Data Arrived at EDR: 10/27/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 13

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2010
Next Scheduled EDR Contact: 07/19/2010
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/01/2009
Date Data Arrived at EDR: 12/15/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2010
Next Scheduled EDR Contact: 06/28/2010
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/08/2009
Number of Days to Update: 1

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 01/21/2010
Next Scheduled EDR Contact: 06/14/2010
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/17/2009
Date Data Arrived at EDR: 12/08/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/10/2010
Next Scheduled EDR Contact: 06/21/2010
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 36

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 03/02/2010
Next Scheduled EDR Contact: 06/14/2010
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/30/2010
Next Scheduled EDR Contact: 07/12/2010
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/01/2010
Next Scheduled EDR Contact: 06/14/2010
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/01/2010
Next Scheduled EDR Contact: 06/14/2010
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 02/01/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/10/2009
Date Data Arrived at EDR: 11/18/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 03/29/2010
Next Scheduled EDR Contact: 07/12/2010
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/01/2009
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 41

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 02/16/2010
Next Scheduled EDR Contact: 05/03/2010
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/24/2009
Date Data Arrived at EDR: 12/31/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 41

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/15/2010
Next Scheduled EDR Contact: 06/28/2010
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/12/2010
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/13/2010
Next Scheduled EDR Contact: 04/26/2010
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/19/2009
Date Data Arrived at EDR: 10/22/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 40

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 03/15/2010
Next Scheduled EDR Contact: 06/28/2010
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 92

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/25/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/19/2010
Next Scheduled EDR Contact: 05/03/2010
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 11/16/2009
Date Data Arrived at EDR: 11/16/2009
Date Made Active in Reports: 01/19/2010
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/08/2010
Next Scheduled EDR Contact: 05/10/2010
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/19/2010
Next Scheduled EDR Contact: 05/03/2010
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/24/2010
Next Scheduled EDR Contact: 05/17/2010
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009
Date Data Arrived at EDR: 12/18/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/16/2010
Next Scheduled EDR Contact: 06/28/2010
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/27/2010
Next Scheduled EDR Contact: 05/03/2010
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/20/2010	Telephone: N/A
Date Made Active in Reports: 02/05/2010	Last EDR Contact: 01/20/2010
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/03/2010
	Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 11/03/2009	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/12/2010	Telephone: 401-222-2797
Date Made Active in Reports: 02/22/2010	Last EDR Contact: 03/01/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 06/14/2010
	Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GE LIGHTING JUANA DIAZ
CARRION MADURO STREET
JUANA DIAZ, PR 00795

TARGET PROPERTY COORDINATES

Latitude (North):	18.05860 - 18˚ 3' 31.0''
Longitude (West):	66.5084 - 66˚ 30' 30.2''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	763751.5
UTM Y (Meters):	1998327.0
Elevation:	184 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property:	N/A
Source:	USGS 7.5 min quad index

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

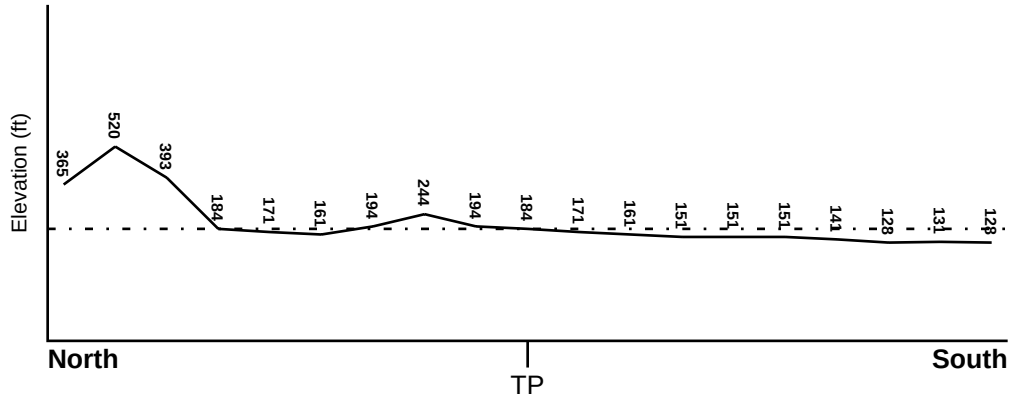
TOPOGRAPHIC INFORMATION

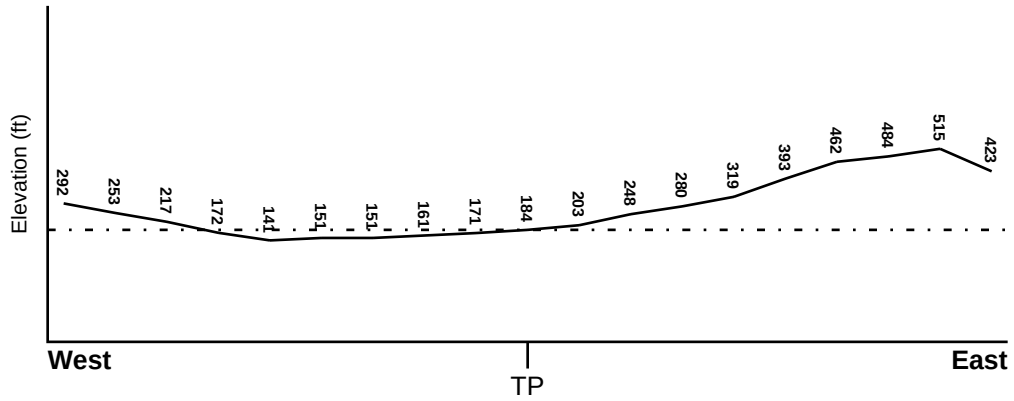
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 184 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
JUANA DIAZ, PR	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 72000C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: -
System: -
Series: -
Code: N/A *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: -

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: CALLABO

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 20 inches

Depth to Bedrock Max: > 36 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	5 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 6.10
2	5 inches	13 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 6.10
3	13 inches	19 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 6.10
4	19 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 6.10
5	27 inches	31 inches	unweathered bedrock	Not reported	Not reported	Max: 0.60 Min: 0.20	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: clay
clay loam

Surficial Soil Types: clay
clay loam

Shallow Soil Types: clay loam
clay

Deeper Soil Types: sandy loam
very gravelly - silty clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

FEDERAL USGS WELL INFORMATION

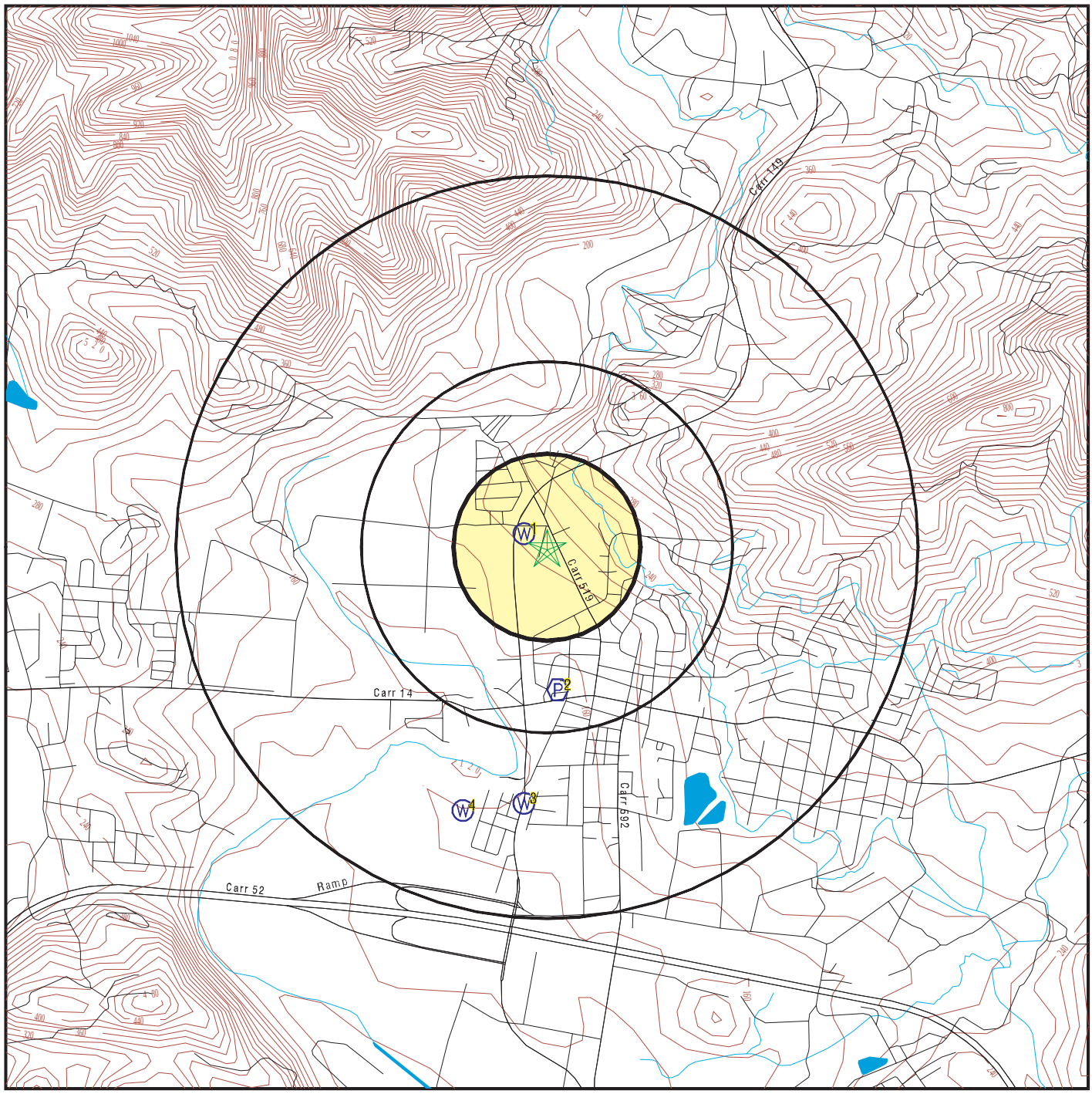
MAP ID	WELL ID	LOCATION FROM TP
1	USGS2019472	0 - 1/8 Mile WNW
3	USGS2019437	1/2 - 1 Mile South
4	USGS2019436	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	PR0439014	1/4 - 1/2 Mile South

Note: PWS System location is not always the same as well location.

PHYSICAL SETTING SOURCE MAP - 2737200.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location

N

SITE NAME: GE Lighting Juana Diaz ADDRESS: Carrion Maduro Street Juana Diaz PR 00795 LAT/LONG: 18.0586 / 66.5084	CLIENT: ARCADIS U.S., Inc. CONTACT: Jim Gillette INQUIRY #: 2737200.2s DATE: April 06, 2010 1:52 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **WNW** **0 - 1/8 Mile** **Lower**	**FED USGS**	**USGS2019472**

Agency cd:	USGS	Site no:	180340066303500
Site name:	LUCIANA WELL, JUANA DIAZ, PR		
Latitude:	180340	EDR Site id:	USGS2019472
Longitude:	0663035	Dec lat:	18.05912944
Dec lon:	-66.50933889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	075
Country:	US	Land net:	Not Reported
Location map:	PONCE	Map scale:	20000
Altitude:	177.0		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Puerto Rico. Puerto Rico. Area = 851 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19580721	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	PR454300200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

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2 **South** **1/4 - 1/2 Mile** **Lower**	**FRDS PWS**	**PR0439014**

PWS ID:	PR0439014		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	COLONIA SANTI CARR. 1 KM. 108.9 BO.RIO CANA ABAJO JUANA DIAZ, PR 00795		
Addressee / Facility:	System Owner/Responsible Party MUNICIPIO JUANA DIAZ C/O RAFAEL RODRIGUEZ PO BOX 1409 JUANA DIAZ, PR 00795		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude:	18 03 18	Facility Longitude:	066 30 30
City Served:	JUANA D		
Treatment Class:	Treated	Population:	76

PWS currently has or had major violation(s) or enforcement: YES

VIOLATIONS INFORMATION:

Violation ID:	Not Reported	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	Not Reported	Vio. end Date:	Not Reported	Vio. Period:	Not Reported
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Not Reported				
Contaminant:	Not Reported				
Vio. Awareness Date:	Not Reported				

Violation ID:	9419187	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	02/01/94	Vio. end Date:	02/28/94	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	MCL, Acute (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	Not Reported				

Violation ID:	9420405	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	04/01/94	Vio. end Date:	04/30/94	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	MCL, Monthly (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	Not Reported				

Violation ID:	9420404	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	06/01/94	Vio. end Date:	06/30/94	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	MCL, Acute (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	Not Reported				

Violation ID:	9420403	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	05/01/94	Vio. end Date:	05/31/94	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	MCL, Acute (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	Not Reported				

Violation ID:	9418269	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	10/01/93	Vio. end Date:	10/31/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	MCL, Monthly (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	Not Reported				

Violation ID:	9418655	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	11/01/93	Vio. end Date:	11/30/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	Not Reported				

Violation ID:	9418792	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	12/01/93	Vio. end Date:	12/31/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	Not Reported				

ENFORCEMENT INFORMATION:

System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-10-01 - 1999-10-31		
Violation ID:	0045628		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued

System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-12-01 - 1999-12-31		
Violation ID:	0045629		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued

System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-11-01 - 1999-11-30		
Violation ID:	0045630		
Enforcement Date:	2000-01-12	Enf. Action:	State Public Notif Issued

System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-10-01 - 1999-10-31		
Violation ID:	0045630		
Enforcement Date:	1999-12-07	Enf. Action:	State Violation/Reminder Notice

System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-12-01 - 1999-12-31		
Violation ID:	0045630		
Enforcement Date:	2000-02-02	Enf. Action:	State Violation/Reminder Notice

System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-02-01 - 1994-02-28		
Violation ID:	9419187		
Enforcement Date:	1994-03-24	Enf. Action:	State Public Notif Issued

ENFORCEMENT INFORMATION:

System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-05-01 - 1994-05-31		
Violation ID:	9420403		
Enforcement Date:	1994-06-21	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-06-01 - 1994-06-30		
Violation ID:	9420404		
Enforcement Date:	1994-08-10	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-04-01 - 1994-04-30		
Violation ID:	9420405		
Enforcement Date:	1994-06-21	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-09-01 - 1994-09-30		
Violation ID:	9421351		
Enforcement Date:	1994-10-26	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-08-01 - 1994-08-31		
Violation ID:	9421918		
Enforcement Date:	1994-09-15	Enf. Action:	State Violation/Reminder Notice
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-10-01 - 1994-10-31		
Violation ID:	9522548		
Enforcement Date:	1994-12-05	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-11-01 - 1994-11-30		
Violation ID:	9522562		
Enforcement Date:	1995-01-10	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-12-01 - 1994-12-31		
Violation ID:	9522582		
Enforcement Date:	1995-02-06	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-10-01 - 1994-10-31		
Violation ID:	9522631		
Enforcement Date:	1994-12-05	Enf. Action:	State Public Notif Issued

ENFORCEMENT INFORMATION:

System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-01-01 - 1995-01-31		
Violation ID:	9524382		
Enforcement Date:	1995-03-06	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-02-01 - 1995-02-28		
Violation ID:	9524459		
Enforcement Date:	1995-04-10	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-03-01 - 1995-03-31		
Violation ID:	9524541		
Enforcement Date:	1995-05-04	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-04-01 - 1995-04-30		
Violation ID:	9524730		
Enforcement Date:	1995-06-06	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-06-01 - 1995-06-30		
Violation ID:	9524731		
Enforcement Date:	1995-09-11	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-07-01 - 1995-07-31		
Violation ID:	9525058		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-08-01 - 1995-08-31		
Violation ID:	9525059		
Enforcement Date:	1995-09-18	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-09-01 - 1995-09-30		
Violation ID:	9525060		
Enforcement Date:	1995-10-04	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-05-01 - 1995-05-31		
Violation ID:	9525093		
Enforcement Date:	1995-07-14	Enf. Action:	State Violation/Reminder Notice

ENFORCEMENT INFORMATION:

System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-10-01 - 1995-10-31		
Violation ID:	9626424		
Enforcement Date:	1995-12-07	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-11-01 - 1995-11-30		
Violation ID:	9626425		
Enforcement Date:	1996-01-09	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-12-01 - 1995-12-31		
Violation ID:	9626426		
Enforcement Date:	1996-02-13	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-01-01 - 1998-01-31		
Violation ID:	98036014		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-02-01 - 1998-02-28		
Violation ID:	98036015		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-02-01 - 1998-02-28		
Violation ID:	98036016		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-03-01 - 1998-03-31		
Violation ID:	98036017		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-04-01 - 1998-04-30		
Violation ID:	98037776		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-05-01 - 1998-05-31		
Violation ID:	98038263		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

ENFORCEMENT INFORMATION:

System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-06-01 - 1998-06-30		
Violation ID:	98038264		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-07-01 - 1998-07-31		
Violation ID:	98039039		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-07-01 - 1998-07-31		
Violation ID:	98039039		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-08-01 - 1998-08-31		
Violation ID:	98039040		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-08-01 - 1998-08-31		
Violation ID:	98039040		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-11-01 - 1998-11-30		
Violation ID:	99039508		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-10-01 - 1998-10-31		
Violation ID:	99039509		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-07-01 - 1998-07-31		
Violation ID:	99039510		
Enforcement Date:	1998-10-06	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-08-01 - 1998-08-31		
Violation ID:	99039510		
Enforcement Date:	1998-11-04	Enf. Action:	State Violation/Reminder Notice

ENFORCEMENT INFORMATION:

System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-11-01 - 1998-11-30		
Violation ID:	99039510		
Enforcement Date:	1999-01-26	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-10-01 - 1998-10-31		
Violation ID:	99039510		
Enforcement Date:	1999-01-15	Enf. Action:	State Violation/Reminder Notice
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-12-01 - 1998-12-31		
Violation ID:	99039510		
Enforcement Date:	1999-02-02	Enf. Action:	State Violation/Reminder Notice
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-12-01 - 1998-12-31		
Violation ID:	99039510		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-03-01 - 1999-03-31		
Violation ID:	9940554		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-02-01 - 1999-02-28		
Violation ID:	9940555		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-01-01 - 1999-01-31		
Violation ID:	9940556		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-01-01 - 1999-01-31		
Violation ID:	9943448		
Enforcement Date:	1999-03-12	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-02-01 - 1999-02-28		
Violation ID:	9943448		
Enforcement Date:	1999-04-13	Enf. Action:	State Violation/Reminder Notice

ENFORCEMENT INFORMATION:

System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-03-01 - 1999-03-31		
Violation ID:	9943448		
Enforcement Date:	1999-05-13	Enf. Action:	State Violation/Reminder Notice
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-04-01 - 1999-04-30		
Violation ID:	9943448		
Enforcement Date:	1999-06-08	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-05-01 - 1999-05-31		
Violation ID:	9943448		
Enforcement Date:	1999-07-08	Enf. Action:	State Violation/Reminder Notice
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-06-01 - 1999-06-30		
Violation ID:	9943448		
Enforcement Date:	1999-08-10	Enf. Action:	State Violation/Reminder Notice
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-06-01 - 1999-06-30		
Violation ID:	9943448		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-05-01 - 1999-05-31		
Violation ID:	9943449		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-04-01 - 1999-04-30		
Violation ID:	9943450		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-06-01 - 1999-06-30		
Violation ID:	9943450		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-07-01 - 1999-07-31		
Violation ID:	9944535		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued

ENFORCEMENT INFORMATION:

System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-08-01 - 1999-08-31		
Violation ID:	9944536		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-06-01 - 1999-06-30		
Violation ID:	9944537		
Enforcement Date:	1999-08-10	Enf. Action:	State Violation/Reminder Notice
System Name:	COLONIA SANTI		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-07-01 - 1999-07-31		
Violation ID:	9944537		
Enforcement Date:	1999-09-08	Enf. Action:	State Public Notif Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-08-01 - 1999-08-31		
Violation ID:	9944537		
Enforcement Date:	1999-10-05	Enf. Action:	State Violation/Reminder Notice
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-09-01 - 1999-09-30		
Violation ID:	9944537		
Enforcement Date:	1999-11-15	Enf. Action:	State Violation/Reminder Notice
System Name:	COLONIA SANTI		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-11-01 - 1999-11-30		
Violation ID:	9944537		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued
System Name:	COLONIA SANTI		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-09-01 - 1999-09-30		
Violation ID:	9944537		
Enforcement Date:	1998-08-05	Enf. Action:	State AO (w/o Penalty) Issued

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3
South
1/2 - 1 Mile
Lower

FED USGS **USGS2019437**

Agency cd:	USGS	Site no:	180302066303500
Site name:	HAC. CRISTINA WELL, JUANA DIAZ, PR		
Latitude:	180302	EDR Site id:	USGS2019437
Longitude:	0663035	Dec lat:	18.04857417
Dec lon:	-66.50933889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	075
Country:	US	Land net:	Not Reported
Location map:	PONCE	Map scale:	20000
Altitude:	141.0		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Puerto Rico. Puerto Rico. Area = 851 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19580729
Date inventoried:	19580918	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	100.0	Hole depth:	100.0
Source of depth data:	owner		
Project number:	PR454300200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1958-07-29	Ground water data end date:	1958-07-29
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-07-29	33.0	

4
SSW **FED USGS** **USGS2019436**
1/2 - 1 Mile
Lower

Agency cd:	USGS	Site no:	180301066304400
Site name:	COL. LUCIANA WELL, JUANA DIAZ, PR		
Latitude:	180301	EDR Site id:	USGS2019436
Longitude:	0663044	Dec lat:	18.04829639
Dec lon:	-66.51183889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	075
Country:	US	Land net:	Not Reported
Location map:	PONCE	Map scale:	20000
Altitude:	141.0		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Southern Puerto Rico. Puerto Rico. Area = 851 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	1949
Date inventoried:	19580707	Mean greenwich time offset:	AST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	200.0
Source of depth data:	driller		
Project number:	PR454300200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1949-00-00	Ground water data end date:	1949-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1949	25.0	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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Appendix J

Additional Documentation

GE Lighting Juana Diaz
Carrion Maduro Street
Juana Diaz, PR 00795

Inquiry Number: 2737200.8
April 05, 2010

The EDR Property Tax Map Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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LIST OF HAZARDOUS MATERIALS

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
XL-99	CENTRAL PACK	JD-43
PRINTING INK	CENTRAL PACK	INK
SPRAY ADHESIVE	CENTRAL PACK	CA-6
LOCTITE 414	ASSEMBLY	JD-80
WD-40	ASSEMBLY	1030
SILICONE-GE	ASSEMBLY	108
FILLING COMPOUND #5920	ASSEMBLY	RAN5
ENERGIZED ROSIN CORE SOLDER	ASSEMBLY	SOLDER
ISOPROPIL ALCOHOL	DISPENSARY	324
XEROX DUPLICATING TONER	OFFICE	1028

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
MAGNUS MAGNU DRAW 10	PRESSES	JD-6
MAGNUS DO-5	PRESSES-	JD-7
RED BRASS	PRESSES	I-05
VANISHING OIL	PRESSES	VANISH
COPPER STRIP	PRESSES/QC	T112285
BRASS STRIP	PRESSES/QC	CN1
GREASE EP NO. 1	PRESSES	G-1
GREASE EP NO. 0	PRESSES	G-0
CONTACT BRONZE	PRESSES	CB-01
HIGH CARBON STEEL	PRESSES	HCS
STEEL-GARD 20MX-2	PRESSES	MX-2
GULFCUT 41B	PRESSES	CUT41B
GULFCUT 44 A	PRESSES	CUT44A
KLENZE GLIDE 67-LUBRICANT	PRESSES	GLIDE
GULF PARAMOUNT 100	PRESSES	PARA
ELECTROLYTIC TOUGH PITCH	PRESSES	CDA 110
RED BRASS 85%	PRESSES	CDA 230
CARTRIDGE BRASS 70%	PRESSES	CDA 260

DEC 20 1988

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
STEP-TWO RUST PREVENTIVE	MOLDING	R-912
GLASTHERM HT	MOLDING	GLAST
MELAMINE MOLDING COMPOUND	MOLDING	WD2049
POLYPROPYLENE MOLDING COMPOUND	MOLDING	WD2053
LEXAN	MOLDING	PBG-111-L-2
NORYL	MOLDING	PBG-11-N-3
MOBIL AW68-OIL DTE-26	MOLDING	602649
POLYMAN 508 PVC	MOLDING	P-08
POLYMAN 509 PVC	MOLDING	P-09
POLYMAN 510 PVC	MOLDING	P-10
POLYMAN 526 PVC	MOLDING	P-26
UREA MOLDING COMPOUND -CARMEL	MOLDING	UREA
NYLON MOLDING COMPOUND	MOLDING	ZYTO16
VALOX MOLDING COMPUND	MOLDING	PBG-111-V-2-
ETHYLENE GLYCOL COOLANT	MOLDING	ETGL
CLEAN COAT MOLD PROTECTOR	MOLDING	G-316
UREA-PMC-A50JK20P07	MOLDING	20P07
UREA-PMC-A50JK12A1P07	MOLDING	12A1P07
UREA-PMC-A50JK12B1P07	MOLDING	12B1P07
UREA-PMC-A50JK12B1P02	MOLDING	12B1P02

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MAR - 3 1987
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01/04/80

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
DYKEM BLUE DX-100	TOOL ROOM	DX-100
DYKEM RED DX-296	TOOL ROOM	DX-296
DYKEM NO. 107	TOOL ROOM	NO. 107
ETHYL ALCOHOL	TOOL ROOM	361
AGETENE	TOOL ROOM	WD2000
PROPANE	TOOL ROOM	LPG
45-CD-1 CLEANER DEGREASER DG1	TOOL ROOM	45CD1
46-TB-2 TOOL BLACK	TOOL ROOM	46TB2
47-P-3 PREVENT	TOOL ROOM	47P3
JEMS 1	TOOL ROOM	JEMS-1
JEMS 1c	TOOL ROOM	JEMS-1C
OAKITE FORMULA 59	BODINES	OF-59
MAGNUS SPRAY NO. 205	RANSOHOFF	916387
BATTERY FLUID	MATERIALS	GBC-1

L I S T O F H A Z A R D O U S M A T E R I A L S

Caribe General Electric Products, Inc.

Juana Diaz, P.R.

TRADE NAME	USED ON	MSDS
EKOLASID 355 MAKE UP	PLATING	EKO-5
EKOLASID 356	PLATING	EKO-6
MAGNUS BRIGHT DIP S-	PLATING	JD-9
MAGNUS 800-X	PLATING	JD-10
ALKALOX 89	PLATING	ALKA
METEX NICKEL BRIGHTENER #30	PLATING	18130
MAGNUS 26-N	PLATING	JD-19
METEX NICKEL BRIGHTENER #14	PLATING	18114
METEX NICKEL BRIGHTENER #33	PLATING	18133
QUATRASID	PLATING	QUAT
MICROPOLISH 5 F	PLATING	18652
SODIUM HYDROXIDE	PLATING	3
BORIC ACID	PLATING	4
RONASTRIP 37	PLATING	RONA
SULFURIC ACID	PLATING	9
STANNOUS SULFATE	PLATING	14
HYDROCHLORIC ACID	PLATING	30-A
NICKEL SULFATE	PLATING	WD200
ZINC BALL ANODES	PLATING	WD202
CUMAC F	PLATING	CUMA
POTASSIUM CHLROIDE	PLATING	KCL
CUMAC F-MT	PLATING	CUMA-1
ACTIVATED CHARCOAL	PLATING	CARB
NICKEL PURIFIER	PLATING	18190
PTH ADDITIVE	PLATING	PTH
PICTAX	PLATING	PTAX
SODIUM METABIFULFITE	PLATING	WD209
TIN ANODE	PLATING	TB-1
NICKEL ANODE	PLATING	NIK
COPPER ANODE	PLATING	COAN
PROTECTIVE OIL	PLATING	OSPO
Z-242	PLATING	EBZ-242
MACRO COLOR 153	PLATING	18673
KENVERT NO 170-S	PLATING	10619
ZINC CHLORIDE	PLATING	ZNCL
HYDROGEN PEROXIDE	PLATING	HYPER
WETTING AGENT #12-A	PLATING	18112
COPPER GLEAM	PLATING	GLEAM
CONTACT TIN #1	PLATING	13301
CONTACT TIN #2	PLATING	13302
ROTO-BRITE XL-309	PLATING	XL-309
ROTO-BRITE L-326	PLATING	L-326
SODIUM CHLORIDE	PLATING	NaCL
ALUMINUM SULFATE	PLATING	Alum

DEC 23 1984

1761

SUPPLEMENT AND AMENDMENT TO LEASE CONTRACT

NOW COME the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Landlord") and GENERAL ELECTRIC PILOT DEVICES, INC. (hereinafter referred to as the "Tenant") and agree to supplement and amend a certain Lease Contract entered into by them on June 20, 1966, supplemented and amended on December 6, 1967 and January 3, 1977 (hereinafter collectively referred to as the "Contract") in connection with a certain landsites and buildings at Vega Alta, Puerto Rico, identified as Projects No. 7-635-63, 7-635-A-66 and L-206-60 (hereinafter referred to as the "Original Premises") in the following respects: 5-13 35-0-81

ONE: Landlord hereby agrees and undertakes to construct an extension of approximately 11,480 sq. ft. of floor space on Lot #2 (hereinafter referred to as the "Extension"); to be used and occupied by Tenant in the manufacture of push button electrical devices; such construction to be carried out according to plans to be prepared by Landlord and approved by Tenant; it being agreed and understood that in the event that Tenant shall not return said plans within thirty (30) days after they have been submitted by Landlord, they shall be deemed approved. Such construction shall be undertaken by Landlord on one or more construction contracts to be awarded to competent contractors through competitive biddings.

Upon completion of construction of said Extension, a description thereof shall be incorporated herein by a supplement hereto.

TWO: The Extension shall, upon completion, be included as part of the demised premises covered by the Contract and, as such, subject to all applicable terms, covenants and conditions thereof as they may have been hereby supplemented and/or amended.

THREE: As a condition upon which the undertaking of the Landlord herein is predicated, Tenant agrees and undertakes to increase, as provided in the contract:

(1) Its investment in machinery and equipment by $2,000,000; and

(2) Its employment by 30 persons, all at the same time.

The foregoing increases are over and above its investment in machinery and equipment and employment heretofore required from Tenant under existing contracts with the Landlord, which for the purposes hereof are determined to be $400,000 and 152 persons, respectively.

GSC

FOUR: The lease period stipulated in the Contract shall be deemed modified to be 10 years and to commence on the first day of the month following the date of completion of construction of said Extension, as such date is hereinafter determined. Notwithstanding, it is hereby agreed that the completion of minor details of construction or the correction of defects which do not impede occupancy or other activities related to the installation of machinery and equipment and the subsequent initiation of industrial operations shall in no way affect the date of completion of construction of said Extension, as such date is determined by the certificate of such completion to be issued by the Landlord and notified to the Tenant, and provided further, that full occupancy by Tenant of such Extension prior to completion of its construction shall constitute acceptance thereof by Tenant for all purposes under the contract, including among others, the payment of rent.

10/01/8

FIVE: Rent for the Extension, at the rate of $4.46 per sq. ft. of gross building area thereof per annum and payable in the manner provided in Article 1 of the Contract shall commence to accrue and be payable on the first day of the month following the date of completion of construction of the Extension, as hereinabove provided. Rent for the Original Premises shall continue to be paid at the rate stipulated in the Contract until October 31, 1986, thereafter and throughout the remainder of the term, rent shall be at the rate then currently being charged by Landlord in the area.

10/01/8

12/23/81
$16,400.-
CR113238

SIX: Simultaneously with the execution hereof, Tenant shall deposit with Landlord the amount of $16,400.00; said amount shall become immediately payable to Landlord in the event that at any time prior to the start of operations by Tenant at the Extension, it abandons its project for reasons of its own concern and under its control and, in addition thereto, but without limitation, Landlord shall have the right to lease to a third party the Extension, and thereafter, the landsite covered by the Contract shall be used jointly by Tenant herein and tenant of the Extension and Tenant hereby gives its express consent therefor. However, as soon as Tenant starts operations at the Extension, the fund in deposit

shall be refunded to Tenant less the amount of one month rent that shall be refunded to Tenant at the end of the fifth year or when Tenant has fulfilled the employment requirement, whichever date occurs last.

SEVEN: Anything contained in this contract to the contrary notwithstanding, if required by Tenant, Tenant shall at its own cost and expense construct and/or install a power substation and connect it, at its own cost and expense to the Puerto Rico Electrical Power Authority distribution lines, for voltages up to 13.2 KV; and to Puerto Rico Electrical Power Authority transmission line for voltage of 38 KV; such construction to be in accordance with the provisions of Article 39C of the Contract and in conformity with the requirements of the Puerto Rico Electrical Power Authority.

EIGHT: Tenant agrees, as a condition hereof, that it will not discharge its industrial and/or sanitary effluents either into the sewer system and/or into any other place until after authorization therefor has been obtained from the Puerto Rico Aqueduct and Sewer Authority, the Department of Health of Puerto Rico and/or any other governmental agency having jurisdiction thereon and Tenant further agrees and undertakes to treat, any such effluent, prior to discharge thereof as required by the said Authority, Department and/or any other governmental agency having jurisdiction thereon and/or to install any equipment or system required, and to fully abide by and comply with any and all requisites imposed thereby; and upon request by Landlord, to submit evidence of such compliance; it being agreed that non-compliance thereof by Tenant shall be deemed an additional event of default under the provisions hereof. Provided, that no construction and/or installation shall be made unless upon Landlord's prior written approval thereof.

NINE: Tenant hereby acknowledges that it has been informed by the Landlord that the maximum floor load of the premises herein demised is 150 pounds per sq. ft. therefore, Tenant hereby agrees that in the event the load of the machinery and equipment to be installed thereat exceed such maximum load, it shall, at its own cost and expense, carry out any improvements to the floor of the premises which may be necessary to support such additional load; it being further agreed and understood that

Eso

construction and/or installation of such improvements shall not be commenced until after Landlord's approval of the plans to be prepared therefor by Tenant and thereafter, after completion of construction and/or installation of said facilities, they shall be deemed covered by and subject to the applicable provisions of this contract; it being further specifically agreed and understood that upon termination of this lease, such facilities shall be removed by Tenant, at its own cost and expense, or in the alternative, and upon request by Landlord, they shall remain as part of the premises with no obligation whatsoever on the part of the Tenant to be reimbursed and/or compensated therefor.

TEN: This Contract is made and entered into subject to and conditioned upon the endorsement and approval of the Planning Department of the Puerto Rico Industrial Development Company, the Office of Economic Studies of the Economic Development Administration and the Environmental Quality Board of Puerto Rico; provided that such approvals shall be understood to constitute conditions of the within contract which if not complied with, shall entitle the Landlord to rescind this Contract.

ELEVEN: Inasmuch as Tenant has exercised its right of first refusal to lease Lot No. 2 as provided in Paragraph 27 of the Contract, it is hereby agreed and understood that anything herein contained to the contrary notwithstanding, Paragraph Two of the Second Supplement and Amendment to Lease Contract executed by and between Landlord and Tenant on January 3, 1977, is herein amended only to the effect that Tenant shall be released therefor from the payment of rent established therein on the first day of the month following the date of execution of this Third Supplement and Amendment to Lease Contract.

TWELVE: All notices to be given to the Tenant under the Contract shall be addressed to: Mr. Frank López, President, P.O. Box 328, Vega Alta, Puerto Rico 00762, with copy to: Ignacio Rivera, Esq., Counsel Puerto Rico Affairs, General Electric Company, P. O. Box 5718, San Juan, Puerto Rico 00905; or to such other address as may be requested by Tenant in writing.

THIRTEEN: Tenant agrees to submit to Landlord within thirty (30) days from the date of execution of this Supplement and Amendment to Lease

Contract, a certificate of a resolution of its Board of Directors either authorizing or ratifying the execution hereof.

FOURTEEN: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with the terms hereof and shall remain in full force and effect as herein supplemented and amended.

FIFTEEN: This Contract and Landlord's obligations hereunder, is made subject to and conditioned upon, its approval by Landlord's Board of Directors, the action taken thereby to be promptly notified to Tenant.

IN WITNESS WHEREOF, the parties hereto execute this Supplement and Amendment to Lease Contract at San Juan, Puerto Rico, this dec. 21, 1981.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

By: _____

GENERAL ELECTRIC PILOT DEVICES, INC.

By: _____

Affidavit # 81-1509

Jurado y suscrito ante mi por Don Frank López, Presidente de la General Electric Pilot Devices, Inc., mayor de edad, casado, residente de San Juan, a quien conozco personalmente.

En San Juan, hoy 21 de diciembre de 1981.

IGNACIO RIVERA CORDERO
ATTORNEY AT LAW
Silvi
DiDi
TiTo
NOTARY PUBLIC
COMMONWEALTH OF PUERTO RICO

Notario Público

SUPPLEMENT AND AMENDMENT TO LEASE CONTRACT

NOW COME the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC PILOT DEVICES, INC. (hereinafter referred to as the "Lessee") and agree to supplement and amend a certain Lease Contract entered into by them on June 20, 1966 (hereinafter referred to as the "Contract"), covering, among other things, project number 7-635-63 at Vega Alta, Puerto Rico, in the following respects:

ONE: The Lessor hereby agrees and undertakes to construct an extension of approximately 7,200 sq. ft. of floor space to project number 7-635-63, covered by the Contract; such construction according to plans and specifications to be prepared by Lessor and approved by Lessee; it being agreed and understood that in the event that Lessee does not return said plans and specifications within thirty (30) days after they have been submitted by Lessor, they shall be deemed approved. Such construction shall be undertaken on one or more construction contracts to be awarded to competent contractors through competitive biddings.

TWO: The extension referred to in Paragraph ONE above, shall, upon completion, be included as part of the demised premises covered by the Contract and, as such, subject to all the terms, covenants and conditions therein included as they may have been herein supplemented and/or amended.

THREE: As a condition upon which the undertaking of the Lessor herein is predicated, Lessee agrees and undertakes to install, as provided in the Contract, additional manufacturing machinery and equipment worth at least $100,000.00, with capacity to provide employment for 30 additional persons.

FOUR: The duration of the term created in the aforesaid Contract shall not be altered by this Supplement And Amendment To Lease Contract and said term shall terminate on October 31, 1976 subject to the terms and conditions contained in said Contract entered into between the Lessor and the Lessee on June 20, 1966.

FIVE: It is understood and agreed that until the extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee as mutually agreed by the Lessor and Lessee, the Lessee shall not be required to pay any rent for such extension but shall continue to pay the same amount of rental it is obligated to pay under and pursuant to the aforesaid Contract entered into between the Lessor and Lessee on June 20, 1966. It is further understood and agreed that after the Lessor and Lessee agree that the extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee, Lessee shall pay to the Lessor commencing on the first day of the calendar month immediately following the month in which it is mutually agreed by the Lessor and Lessee that the said extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee as additional rent for said extension an annual rent upon the entire said extension arrived at by multiplying the gross square foot ~~interior~~ EXTERIOR building area by $0.70, such additional rental shall begin to accrue on the first day of the calendar month following the month in which the Lessor and Lessee mutually agree that the extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee and not before. RTR

SIX: Lessee agrees to submit to Lessor, within thirty (30) days from the date of execution hereof a certificate of a resolution of its Board of Directors authorizing the execution of this Instrument.

SEVEN: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with the terms hereof and shall remain in full force and effect as herein supplemented and amended.

IN WITNESS WHEREOF, the parties hereto execute this Contract at San Juan, Puerto Rico, this 6th day of December 1967.

ATTEST:

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____
President

_____
Secretary

ATTEST:

GENERAL ELECTRIC PILOT DEVICES, INC.

J. C. Howes
_____
Secretary

BY: R.V. Rodwell
Chairman of the Board

SUPPLEMENT AND AMENDMENT TO LEASE CONTRACT

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Secretary

BY: _____
President

ATTEST:

GENERAL ELECTRIC PILOT DEVICES, INC.

J. C. Howe
Secretary

BY: R. V. Rodwell
Chairman of the Board

SUPPLEMENT AND AMENDMENT TO LEASE CONTRACT

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ATTEST:

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

Secretary

BY: President

ATTEST:

GENERAL ELECTRIC PILOT DEVICES, INC.

Secretary

BY: Chairman of the Board

SUPPLEMENT AND AMENDMENT TO LEASE CONTRACT

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ATTEST:

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____
President

_____
Secretary

ATTEST:

GENERAL ELECTRIC PILOT DEVICES, INC.

J. C. Ames
_____
Secretary

BY: R. V. Radwell
Chairman of the Board

This lease entered into this 20th day of June, 1966 between PUERTO RICO INDUSTRIAL DEVELOPMENT CO. (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC PILOT DEVICES, INC. (hereinafter referred to as the "Lessee"), a corporation organized under the laws of the State of Delaware and duly authorized to do business in Puerto Rico, herein respectively represented by their duly authorized officers

W I T N E S S E T H:

That in consideration of the rent and covenants herein received and contained on the part of the Lessee to be paid, performed and observed, said Lessor hereby demises and leases to said Lessee all that parcel of land with the building thereon and the building addition to be erected thereon described as follows, to-wit:

Lots No. 3 and No. 4 shown on site plan L-206-60 dated March 23, 1961, a reduction of which from the inscription plan of Vega Alta Sub-Division Sheet No. 3, Dwg. No. 695 prepared by Gonzalez & Gonzalez, -- Architects and Engineers, is attached hereto marked Exhibit "A" and by this reference made a part hereof, together with all the rights, easements and appurtenances to the same belonging and usually had and enjoyed therewith, and upon and subject to the terms, conditions and provisions herein contained, it being understood that the aforesaid Lot No. 3 is subject to a right of way in favor of the Puerto Rico Water Resources Authority whereby said authority is permitted to run existing power lines along the Southern and Western boundary lines of said Lot No. 3. The present building on said Lot No. 3 is known as Project 7-635-63. Lot No. 4 is subject to the same right of way in favor of Puerto Rico Water Resources Authority but along Lot No. 4's Northern and Western boundaries.

Lessor undertakes to erect upon the demised premises and immediately adjacent to the West wall of the building presently on Lot No. 3 shown on said Exhibit "A" a building extension having a sq. ft. area of not less than 11,500 sq. ft., which building shall have the same width from North to South, to-wit: 92'-4" and a depth of 121 ft. and lean-tos to be located by the Lessee to bring the total square foot area leased to not less than 11,500 sq. ft. and which building extension shall be of the same type of construction as the existing building but shall have a 6 ft. greater ceiling height and which building shall be built in accordance with all applicable building laws of Vega Alta, Puerto Rico and in accordance with all laws, rules and regulations of all public authorities. There is attached hereto, marked Exhibit "B" a description of building "Q-1A" -- Project No. 7-635-63 which indicates the building construction of the existing building on said Lot No. 3. Said Exhibit "B" is attached purely for the purpose of indicating the type of construction which is to be used in the extension.

It is understood and agreed that the West wall on the existing building on Lot No. 3 shall not be removed until the building extension referred to above shall be substantially completed at which time the two buildings shall be roofed over, properly jointly supported and made weather tight.

It is understood and agreed by the Lessor that should this building addition not be substantially completed and ready for occupancy by the Lessee on or before November 15, 1966 then the Lessee has the privilege of cancelling this agreement.

Notice in writing must be given with respect to the exercising of the above privilege not later than November 30, 1966.

It is expressly understood and agreed that a loading platform, satisfactory to the Lessee shall be built at the back of the building extension, and that there

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will be built into said loading platform at the expense of the Lessor levelers which the Lessee will furnish to the Lessor at Lessee's expense. Such loading platform shall be 50 ft. in length and 20 ft. in depth and shall be roofed over for half of its depth. It is further understood and agreed that when said loading platform is built the present door on the North side leading into the presently existing building shall be blocked up at Lessor's expense in the event the Lessee at that time so requests. It is also understood and agreed that the square foot area of the loading platform is in addition to the not less than 11,500 sq. ft. area referred to above.

It is understood and agreed that the Lessor will, at Lessor's expense, do the things listed on Exhibit "C" which is attached hereto and by this reference made a part hereof.

Lessor leases and conveys the right to have and to hold the said Lots No. 3 and No. 4 together with the existing building erected upon Lot No. 3 for the term of ten years and four months commencing on July 1, 1966 and terminating on October 31, 1976.

It is understood and agreed that when the aforesaid building extension is completed and ready for occupancy by the Lessee, as mutually agreed between the Lessor and the Lessee, that said extension shall automatically become a part of the demised premises.

1. It is understood and agreed that until said building extension is completed and ready for occupancy by the Lessee as mutually agreed by the Lessor and Lessee the rent to be paid by the Lessee shall be at the annual rate of Eight thousand forty-nine and 96/100 Dollars ($8,049.96) payable in monthly installments of Six hundred seventy and 83/100 Dollars ($670.83) payable in advance on the first day of each lease month. It is further understood and agreed that after the Lessor and Lessee agree that the aforesaid lease extension is complete and ready for occupancy by the Lessee the annual rent upon the entire demised premises shall then prospectively become a figure arrived at by multiplying the gross sq. ft. building area, including the aggregate of the existing building and the aforesaid building extension (exclusive of unroofed portion of loading platforms) by 70¢. The said rent shall then be payable in twelve equal monthly installments on the first day of each month during the lease year in advance, such monthly installment to be arrived at by dividing the annual rental by twelve. It is understood and agreed that in the event the parties mutually agree that the aforesaid building extension becomes complete and ready for occupancy by the Lessee during a lease month, the rent for that portion of the lease month prior to the date upon which the parties mutually agreed the building extension has become complete and ready for occupancy shall be that portion of the monthly rental theretofor paid which the amount of the lease month which has expired prior to said mutually agreed upon date is of the entire month and the rent to be paid thereafter during such calendar month is to be that portion of the new monthly rental which the amount of the unexpired portion of the lease month following the date upon which the building addition is complete and ready for occupancy is of the entire lease month.

2. Anything in this lease heretofore and hereafter to the contrary, the Lessee shall pay to the Lessor as additional rent for Lot No. 4 shown on said Exhibit "A" an annual rent of Two thousand three hundred and 04/100 Dollars ($2,300.04) payable in equal monthly installments of One hundred ninety-one and 67/100 Dollars ($191.67) in advance on the first day of each lease month commencing on July 1, 1967 provided, however, that it is understood and agreed that if and when the Lessor and the Lessee enter into a lease agreement under which the Lessor is to build wholly

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or partially on Lot No. 4 any additional structure having a square foot area of at least 10,000 sq. ft. not presently wholly or partially on Lot No. 4, this additional rental for Lot No. 4 shall cease on the date upon which Lessee is first obligated to pay rental on such additional building. No structure shall be constructed on Lot No. 4 by Lessee without prior written approval of the Lessor.

3. It is understood and agreed that the Lessee shall have the right to cancel this lease and the term demised insofar as the aforesaid Lot No. 4 is concerned by 90 days written notice served at any time after July 1, 1971, provided, however, that the Lessee shall have this right only if a building of the type referred to in paragraph 2. above has not been built wholly or partially on the aforesaid Lot No. 4 prior to July 1, 1971 by mutual agreement between the Lessor and the Lessee.

4. WATER SUPPLY. The Lessor agrees to arrange for provision of an additional raw water supply with a capacity of one hundred fifty (150) gallons per minute on the demised premises. In the event that at any time during the demised term or during any extension thereof the said additional raw water supply is not equal to at least one hundred fifty (150) gallons per minute on the demised premises and so remains for more than thirty (30) consecutive days after Lessee advises the Lessor in writing that the said additional water supply is less than one hundred fifty (150) gallons per minute, Lessee may at its option terminate this lease by written notice effective sixty (60) days after such notice is given to Lessor.

It is understood and agreed that in making provision for the aforesaid additional water supply the Lessor will furnish at its expense well pump, pressure tank, water softener and associated piping.

5. TAX EXEMPTION. It is agreed that in the event that the Tax Exemption Grant for which the General Electric Pilot Devices, Inc. made application in Case No. SL-838 is not granted to the Lessee in accordance with the aforesaid Application, the Lessee shall have the right to cancel and terminate this lease, the demised term and any extension or renewal thereof by giving written notice to the Lessor within ninety days after the Lessee has been notified of the denial of the application. It is agreed that such cancellation and termination may be either before or after the effective date of this lease. In the event of such cancellation or termination neither party shall thereafter be liable to the other for any loss, cost, damage or expense. It is further understood and agreed that Lessee at its option shall have the further right to terminate this lease if the Tax Exemption Grant granted to it is cancelled or annulled during the demised term or during any extension thereof for any reason other than acts or omissions of Lessee which shall have caused such cancellation or annulment to be effected.

6. MAINTENANCE OF PREMISES. The Lessee shall at all times keep the premises in substantial order and repair, including but not limited to all walls, roofs, floors, vaults, water and sewer connections, windows and other glass, plumbing, water, gas and electric installations, pipes, wires and conduits and the Lessee shall also replace and renew, with like kind and quality, any of the said things, in, or about, the premises that may become too worn to be repaired, so that at all times, the said premises shall be in thoroughly good order provided, however, that when the Lessee surrenders the premises at the end of the term or of any extension thereof, or on an earlier termination thereof, Lessee shall only be obligated to surrender and deliver to the Lessor the demised premises broom-clean, in thorough repair and good order and safe condition, reasonable wear and tear of walls, floors, and other parts of the building on the demised premises excepted. Should the Lessee fail to make repairs necessary to keep the demised premises in good condition as aforesaid the Lessor may make such repairs for the account of the Lessee upon giving the Lessee fifteen (15) days prior notice in writing of its intention to make the

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same, in which case the Lessor will charge the cost thereof to the Lessee, and the Lessee will pay for the same immediately upon being billed therefor.

It shall be the responsibility of the Lessor to promptly correct any defects in the building or improvements on the demised premises which are due to faulty design or to errors of construction not apparent on the first day of the term.

7. INSPECTION OF PREMISES. The Lessor may at all reasonable times during business hours but without interfering with the normal operations of Lessee's plant inspect the demised premises to ascertain if Lessee is complying with the terms hereof.

8. LIABILITY INSURANCE. Lessee shall keep in force at all times during the life of this lease public liability insurance in the amount of not less than Fifty thousand Dollars ($50,000.00) for one person and One hundred thousand Dollars ($100,000.00) for one accident covering both the liability of the Lessor and the Lessee as owner and tenant, respectively of the premises. Certified copies of the original policy or Certificates of Insurance, and all riders or notices of payment of premiums on due date, shall be placed by Lessee in the hands of Lessor no later than the first day of the demised term.

9. OTHER INSURANCE. Lessee agrees to keep the building on the demised premises insured at all times during the life of this lease or any extension thereof against the risks of fire, hurricane, earthquake and boiler (if any such boiler shall be operated for Lessee's use) if such insurance is obtainable, in the names of the Lessor and the Lessee as their respective interests may appear, and with responsible insurance companies authorized to do business in Puerto Rico and for the following amounts:

A. - Fire. 80% of insurable value exclusive of foundations.
B. - Hurricane. 50% of insurable value exclusive of foundations.
C. - Earthquake. 50% of insurable value including foundations.
D. - Boiler. (if any) 100% of insurable value.

The proceeds of any such insurance on account of casualty damages to the Lessor's property shall be totally applied to the restoration of the damaged premises with all reasonable promptness. In the event that the proceeds of such insurance are insufficient for the total restoration and repair of the demised premises, Lessor shall have an option to terminate this agreement as of the day on which the loss occurred and Lessee shall have no right to be indemnified by Lessor for such earlier termination. However, Lessee may in that case supply the necessary funds to complete the cost of the restoration and repair over and above the proceeds of the insurance and in such event Lessor shall promptly proceed to the restoration and repair of the demised premises, disregarding any notice of termination given by it hereunder.

The parties hereto agree, however, that if a substantial part of the demised premises are damaged by the occurrence of any such risks to the extent that Lessee is unable to use any such part as herein provided, and such portion of the demised premises remains in such damaged condition for a period of one hundred twenty (120) consecutive days or more, Lessee, may at its option, terminate this lease by giving written notice to Lessor to that effect, which date of termination in no event shall be earlier than the expiration of the aforesaid one hundred twenty (120) day period provided Lessee has well and fully performed all its obligations hereunder up to such day of termination.

While this lease, or any extension thereof is in effect, the Lessee will use reasonable care in securing the doors and windows in the building upon the demised premises, in the event public notice is given by the United States Weather Bureau of a threatened wind storm, flood or other calamity, sufficiently in advance to permit the Lessee to take such precautions. This paragraph shall not be deemed to

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require the Lessee to supply hurricane shutters for use on such occasions; but if the Lessor should supply such hurricane shutters the Lessee will cause the same to be properly placed, at its own expense, in the event of any public notice aforesaid. However, this stipulation shall not be interpreted as imposing any liability on the Lessor for damages suffered by Lessee due to such calamities because of the failure of Lessor to supply such shutters or otherwise to provide any other type of protection.

The premiums of said insurance policies shall be paid by Lessee when due and official receipts evidencing the payment thereof on the due date shall be delivered to the Lessor by the Lessee not later than five (5) days after the due date thereof.

In the case of failure of the Lessee to pay such premium when due, the Lessor may do so in its stead and charge to Lessee whatever sums it shall have paid therefor and such sums will be paid by Lessee at the time it is obligated to pay rent for the month next following the one in which such payments were made by Lessor. The option given to the Lessor to pay the insurance premiums upon failure to do so by the Lessee, does not release the Lessee of its obligation to pay for said premiums and does not affect the right of the Lessor to rescind this lease for the default of the Lessee in the payment of said premium when due.

The Lessor and Lessee agree that Lessee shall not occupy the existing building on aforesaid Lot No. 3, nor the Lessor be required to allow Lessee to occupy said building, unless and until Lessee shall have delivered to Lessor certified copies of the aforesaid insurance policies or certificates evidencing such insurance policies, together with the receipt of the corresponding premium payments. Such policies shall contain a clause providing that the insurer shall deliver to Lessor copy of all notices sent by the insurer to Lessee at the same time that the original notice is delivered to Lessee.

Wherever the word "building" appears in this section such word shall be interpreted to include the aforesaid addition after said addition has been mutually held by the Lessor and Lessee completed and ready for occupancy by the Lessee.

Anything in this and the preceding sections of this lease to the contrary notwithstanding it shall be the obligation of Lessor up to and including the date upon which the aforesaid building addition is completed and ready for occupancy as mutually agreed between the Lessor and Lessee to carry public liability insurance for the construction of the building addition to fully protect the Lessee, its employees, licensees and business invitees from all damage and the Lessee shall not have any obligation to carry any such insurance up to and including said date. It is also understood and agreed anything in this lease to the contrary notwithstanding that up to and including such date the risk of loss by fire, hurricane and earthquake or other accidents or casualty shall be upon the Lessor and not the Lessee and that the Lessee shall not up to and including the said date have any obligation to carry any fire, hurricane, earthquake, boiler or any other kind of insurance on said building extension.

10. MINIMUM WAGES. Lessee agrees to pay for all work performed by it at the leased premises the minimum wages prescribed for such operations either by applicable Federal or Insular laws and abide by and comply with all laws and regulations applicable to the operations of the Lessee in the leased premises and to laborers and their relations to the Lessee; provided, however, that the Lessee shall not be in default hereof whenever it shall in good faith contest by appropriate proceedings the matter or issue which otherwise would constitute cause or basis for such default.

11. PUBLIC SERVICE LIABILITY. The Lessee shall pay for all potable water and electricity consumed at the demised premises at the regularly established rates therefor, during the life of this lease, or any extension thereof, as well as any other public service thereon. Any and all taxes and assessments (except beneficial assessments) assessed against the demised premises with respect to said potable water or electricity and other public services shall be paid by the Lessee; provided, however, that the Lessee shall not be in default hereof whenever it shall in good faith contest by appropriate proceedings the matter or issue which otherwise would constitute cause or basis for such default.

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12. TRANSFER OF LEASE. Lessee shall not assign, transfer or otherwise convey this lease or sublet or dispose of the demised premises, except to the parent corporation or a subsidiary or other affiliate of the Lessee without the prior written consent of the Lessor (which consent shall not be unreasonably withheld) and in no event for purposes other than the operation of an industrial plant; provided, however, that in no case shall the Lessee be relieved of its liability and obligations hereunder, unless agreed to in writing by Lessor.

13. STOPPAGE OF OPERATIONS. It is understood by the parties hereto that this lease is made by the Lessor in furtherance of the industrialization plans of the Commonwealth of Puerto Rico, and it is accordingly understood that the Lessee will use all reasonable efforts while this lease is in effect to maintain in operation upon the demised premises an industrial plant, but, nothing contained in this paragraph shall be deemed to require the Lessee to operate such plant otherwise than in accordance with sound principles of business management, or (without limiting the generality of the foregoing) to prevent the Lessee from curtailing production in such plant or from shutting down such plant or any part thereof, whenever and as often as the Lessee may, in the exercise of sound business judgment deem such action advisable. No curtailment of operations or shutdown of the plant of the Lessee in accordance with the provisions of this paragraph shall constitute a default under paragraph 19. of this contract which will enable the Lessor to terminate it, unless such plant shall have been completely shut down for a period of six (6) consecutive months. A shut-down on account of unforeseeable events or events which although foreseeable could not be prevented, or other causes beyond Lessee's control shall not constitute a breach of this agreement. Nothing in this paragraph contained shall relieve the Lessee from payment of rental during the period of any shut-downs or curtailments of operations.

14. PAYMENT OF SUMS DUE. Any sum of money which the Lessor may pay or disburse on account of the failure of the Lessee to comply with any of the terms or covenants of this lease, and all other expenses incidental thereto, shall be charged to Lessee and Lessee will immediately pay the same to the Lessor.

15. LIABILITY FOR DAMAGES TO PREMISES. All damages or injuries caused at the demised premises by reason of the installation or removal by Lessee of machinery, equipment, furniture or fixtures of any kind, shall be repaired by Lessee at its exclusive expense upon the termination of this lease whether by expiration of the term hereof or otherwise. The parties hereto agree that none of the improvements, machinery, equipment or materials of any kind brought into the demised premises shall become attached to the land but that the Lessee shall have the right to remove the same provided it shall have been removed from the premises at or before the expiration or earlier termination of this lease and further provided that the Lessee shall have repaired any damages caused by such removal prior to such expiration.

16. RECORDING. Either party hereto may elect to record this lease in the Registry of Property. In such event both parties agree to execute any necessary public deeds or contracts for said purpose. The cost and fees of the execution, copies, recording and cancellation of such deeds shall be borne by the party electing to record.

17. NOTICES. All notices herein required or permitted to be given to or served upon either party shall be in writing. Any such notice shall be sufficiently given or served if served personally or by registered mail on an officer of such party at its address set forth below, or at such other address as it shall designate in a notice to the other party:

In the case of notice to Lessor:

Puerto Rico Industrial Development Company
Post Office Box 2672
San Juan, Puerto Rico

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In the case of notice to Lessee:

General Electric Pilot Devices, Inc.
Vega Alta, Puerto Rico

This lease is exclusively between the Lessor and Lessee and their successors and assigns and is not to be construed directly or indirectly for the benefit of any third person or party.

18. WAIVER. No waiver of any condition or covenant of this lease by either party shall be deemed to imply or constitute a further waiver by such party of the same or any other condition or covenant.

19. EVENTS OF DEFAULT. The following shall be considered events of default hereunder:

a. Non-payment by Lessee of any installments of the stipulated rent thirty (30) days after notice in writing that such rent is due and unpaid has been given by Lessor to Lessee.

b. Non-compliance by Lessee with any of the terms or covenants of this lease with respect to insurance of the leased premises as provided herein and such non-compliance shall remain uncorrected for ten (10) days from notice in writing of such non-compliance has been given to Lessee by Lessor.

c. Non-compliance by Lessee with any other of the terms or covenants of this lease not otherwise provided for herein after notice in writing of such non-compliance has been given to Lessee by Lessor and the same remains uncorrected thirty (30) days thereafter.

d. Vacation, desertion or abandonment of the demised premises.

e. The levy of an attachment or other order to secure the effectiveness of judgment, or the levy of execution, upon the demised premises, or upon the lease, in any proceeding pending against the Lessee in any court of competent jurisdiction, unless such attachment, order, or execution be discharged by bond or otherwise not later than twenty (20) days counted from the date upon which Lessee shall have received notice thereof.

f. The mere filing by Lessee of a voluntary bankruptcy proceeding.

g. The filing by any creditor against the Lessee, in any court of competent jurisdiction, of any involuntary proceeding permitted under any bankruptcy statute then in force, unless the same shall have been dismissed or set aside within sixty (60) days after the date of filing thereof.

h. The issuing of an order placing the demised premises under the control or management of a trustee, liquidator or receiver, except that Lessee shall have 30 days in which to vacate or annul said order.

Upon the happening of any such event of default, and once the period of grace established in each case for the correction thereof has elapsed without such default having been corrected by Lessee to the satisfaction of the Lessor, this lease shall be automatically terminated as of the date on which the act of default occurred irrespective of the fact that the full lease term has not run in its entirety, and the Lessor may immediately reenter the demised premises and recover possession thereon without legal proceeding or through any legal proceeding available to it. The Lessee, however, shall remain liable to the Lessor for all its obligations previously due hereunder, as well as for any reasonable damage suffered by the Lessor on account of such early termination.

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All remedies given or reserved to Lessor hereunder shall be cumulative and non-exclusive of any other remedies in law or in equity which the Lessor might make use of in the exercise or in defense of its rights hereunder.

20. MATURITY OF PENDING OBLIGATION. It is hereby covenanted and agreed that in case the Lessor should declare the Lessee in default and the Lessee actually is in default in the performance of any of the terms or covenants of this lease, all other obligations of the Lessee to the Lessor of any nature whatsoever, whether or not arising out of this lease, will, at the option of the Lessor, immediately become due and payable, anything contained in any document or instrument evidencing such obligations to the contrary notwithstanding, and in case such obligation requires the performance or doing of any act or thing other than the payment of money, the performance of such obligation may be required immediately by the Lessor.

21. RESIDENT AGENT. In order that the Lessor may obtain judicial enforcement of all the obligations undertaken in this contract by the Lessee, the Lessee shall appoint and maintain at all times a bona-fide resident of San Juan, Puerto Rico to act as its representative to receive service of summons in its behalf, and notice, by registered mail, thereof, giving the name and address of such agent or representative shall be given in writing to the Lessor by the Lessee not later than ten (10) days from the effective date of this lease. In the event that the Lessee should fail to give such notice and/or to appoint such agent, or that the agent designated by the Lessee cannot be located in Puerto Rico or shall be no longer authorized to act as such, the Lessee agrees that service of summons may be made by service on the Secretary of State of the Commonwealth of Puerto Rico or any of his assistants. The Lessee further agrees that service of summons by or on behalf of the Lessor on the Secretary of State of Puerto Rico, or any of his assistants, when made as stipulated herein, shall be valid to submit the Lessee to the jurisdiction of the Courts of Justice of the Commonwealth of Puerto Rico and in this City of San Juan.

22. ARBITRATION. Any dispute or controversy which may arise between the parties hereto in the operation or other performances of the terms or covenants of this contract specified in paragraph 19. (c) hereof, may be submitted by either party hereto to the consideration of three arbitrators, one appointed by each of the contracting parties and the third one designated by the two arbitrators appointed by the parties; provided, however, that if the arbitrators appointed by the parties cannot agree on a third, then such third arbitrator shall be designated by the Senior-Judge of the Superior Court of San Juan. The parties in dispute shall submit their respective claims to these three arbitrators, whose decision by majority vote shall be final and binding upon the parties. The fees, costs and expenses of the arbitrators shall be borne by the party against whom the arbitration award is rendered, or partially by each party to the extent and in the manner to be determined by the arbitrators in the award, in the event the award is for and against each of the contesting parties. In no case shall performance under this contract be interrupted pending arbitration, except where such interruption is mutually agreed to in writing by the parties.

23. The Lessee agrees to install within sixteen (16) months after the effective date of this lease and maintain during the demised term or any extension thereof, manufacturing machinery and equipment worth on the basis of an aggregate purchase cost to General Electric Company and/or to the Lessee at least Four hundred thousand Dollars ($400,000.00) exclusive of the cost of transportation and installation thereof and exclusive of its ordinary depreciation and with capacity to provide employment for 95 persons and the Lessee shall provide necessary capital to conduct its operations on the demised premises.

24. ALTERATIONS. Lessee may make alterations, changes, additions and improvements to any building now or hereafter erected on the demised premises, provided:

a. That the same shall not lessen the value of said building as it is at the commencement of such work or change the purposes for which said building may be used;

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b. That the same shall be made in accordance with plans and specifications therefor. Such plans and specifications shall first be submitted to and approved in writing by Lessor;

c. That before commencing any such work said plans and specifications shall be filed with and approved by all municipal or other governmental departments or authorities having jurisdiction thereof, and the written consent of any mortgagee having any interest in or lien upon the demised premises shall be procured by Lessee and delivered to Lessor if required by the terms of the mortgage;

d. That Lessee shall pay the increased premium, if any, charged by the insurance companies carrying insurance policies on said building, to cover the additional risk during the course of such work.

(i) Except as otherwise provided in this lease, all such alterations, changes, additions and improvements made by Lessee shall be and become the property of Lessor.

(ii) Except as provided in this article d. or elsewhere in this lease, no building or improvements now or hereafter erected upon the premises, or any part thereof, shall be demolished, altered, added to or changed without the prior written consents of Lessor and any mortgagee.

25. It is the condition of this lease that Lessee will prosecute its request for a permit to use the existing building on aforesaid Lot No. 3 before the Planning Board of Puerto Rico with due diligence and that Lessor will cooperate fully with Lessee in its effort to obtain promptly such Use Permit. Such request shall be made within five (5) days after Lessor advises Lessee that the demised premises are ready for Use Permit Inspection. It is understood and agreed that Lessee and Lessor shall have similar obligations with respect to the aforesaid addition to said existing building to be built onLot No. 3.

26. Lessor hereby grants Lessee an option to extend this lease and the term demised for two (2) additional successive five (5) year periods upon the same terms and conditions provided that all the terms and conditions of this lease shall have been complied with, by giving written notice to the Lessor of its intention to extend the same not later than six (6) months prior to the date of the expiration of the original term or of the expiration of the first aforesaid five (5) year period as the case may be.

27. It is understood and agreed that the Lessee shall have during the demised term and during any renewal or extension thereof a right of first refusal to lease Lot No. 2 shown on the aforesaid site plan L-206-60 dated March 23, 1961, a reduction of which is attached hereto marked Exhibit "A." It is understood and agreed that this right of first refusal shall give to the Lessee a right to negotiate with the Lessor with respect to a mutually satisfactory lease covering said Lot No. 2 for the then balance of the demised term and/or of any renewal or extension thereof. The Lessor agrees that before leasing the same to any tenant other than the Lessee, Lessor shall notify the Lessee in writing that it desires to lease said Lot No. 2. Thereupon the Lessor and the Lessee shall commence negotiations. In the event that such negotiations have not resulted in a mutually satisfactory leasing arrangement within six (6) months after the Lessor has given the aforesaid written notice to the Lessee, the Lessor shall be free to lease said Lot No. 2 to another tenant.

28. The Lessor covenants that the Lessee, on paying the rent, additional rent, and on keeping, observing and performing all the other terms, covenants, conditions, provisions and agreements herein contained on the part of the Lessee

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to be kept, observed and performed, shall, during the term of this lease and during any renewal or extension thereof, peaceably and quietly, have, hold and enjoy the said premises for the said term and during any renewal or extension of this lease, subject to the terms, covenants, conditions, provisions and agreements thereof.

Attest:

Secretary

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

By

President

Attest:

Secretary

GENERAL ELECTRIC PILOT DEVICES, INC.

By

Chairman of the Board

PRIDCO
FORM NO. 58

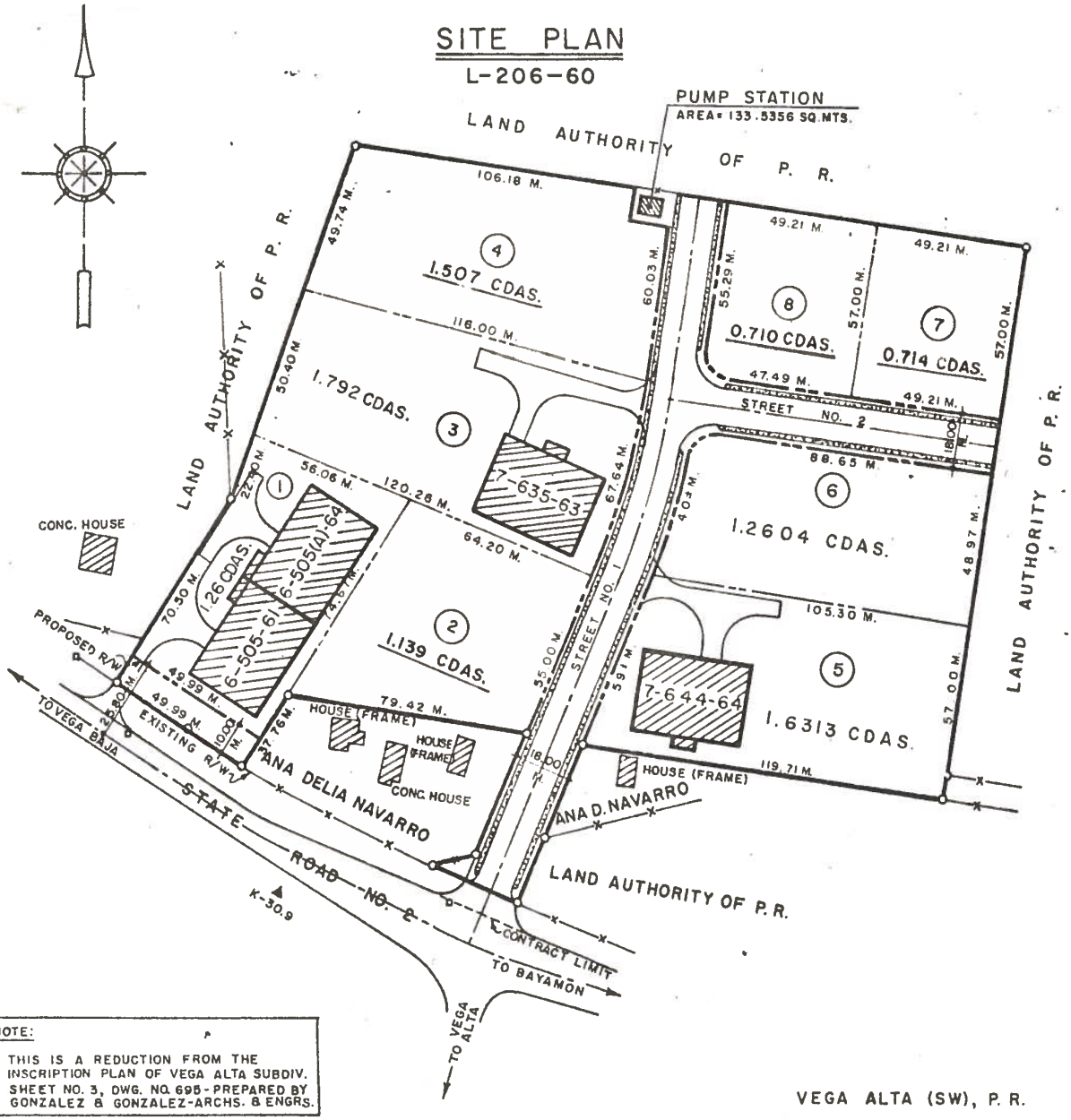
Exhibit A

MUN. VEGA ALTA
BARRIO ESPINOSA

INDUSTRIAL SITE

DATE 23 MAR 1961

NUMBER VA-



NOTE:
THIS IS A REDUCTION FROM THE INSCRIPTION PLAN OF VEGA ALTA SUBDIV. SHEET NO. 3, DWG. NO. 695 - PREPARED BY GONZALEZ & GONZALEZ-ARCHS. & ENGRS.

DRAWN
CHECKED

PRIDCO PROPERTY

VEGA ALTA (SW), P. R.
SITE NO. 163.35 - 64.70
SCALE 1: 2,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. – PLANNING DEPT. – SAN JUAN, P. R.

K+E TORENE 177 T.M. TRACING PAPER 60284

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EXHIBIT "B"

DESCRIPTION OF BUILDING "Q-1A" - Project No. 7-635-63
at Vega Alta, P.R.

This is a pitched roof type building consisting of reinforced concrete foundations, columns, and girders supporting 30 feet long pacadar joists which in turn support prestressed concrete slabs (poretes), covered by 1/2" fiberglass insulation and a 3 ply built-up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor 121'-0" x 92'-4" out to out dimensions with an area of 11,171.93 sq.ft. of manufacturing space; and a lean-to 31'-0" x 10'-6" for an area of 325.50 sq.ft. This amounts to an approximate total area of 11,497.43 sq.ft. of covered floor space.

The floor consists of a 3½" thick reinforced concrete slab with a monolithic cement finish everywhere.

Exterior walls are of concrete blocks plastered and painted on both sides; except on the front wall which is plastered and painted together with a rectangular pattern finish on plaster next to main entrance and to left and right side edges of wall.

Interior walls at the lean-to are plastered and painted together with a 5'-0" high sprayed-on glazed finish wainscoat.

Ceiling is rubbed throughout the building, and painted at lean-to.

Windows are miami louvers throughout the building.

Doors are made of plywood, except for one flush metal double swing door at the main entrance; a similar door equipped with antipanic hardware set at the right side wall, and one double sliding door at the loading entrance.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side eaves is 12'-0" and 12'-11 1/4" at the highest point of the building.

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EXHIBIT "C"

As provided on Page 2 of the lease between General Electric Pilot Devices, Inc. and Puerto Rico Industrial Development Co., to which this is an attachment, the Lessor will, at its expense, as soon as possible do the following:

1. Furnish and install a chain link fence around the cafeteria area as located by the Lessee.

2. Furnish and install around the boundaries of Lot No. 3 as defined in the said lease a 6-ft. high cyclone fence with three strands of barbed wire on the top with appropriate gates as desired and located by the Lessee.

3. Furnish and install around the boundaries of Lot No. 4 as defined in the said lease a 6-ft. high cyclone fence with three strands of barbed wire on the top with appropriate gates as desired and located by the Lessee.

4. Furnish and install a well house covering the well and accessories referred to in Paragraph 4. of the aforesaid lease.

5. Construct a lean-to as a part of the building addition referred to in the aforesaid lease as desired by the Lessee to house air compressors, a boiler and other equipment.

6. Cut holes as desired in the roof of the existing building on Lot No. 3 referred to in said lease and provide for holes in the building extension referred to in said lease, all for air conditioning.

7. Furnish and install two poles and luminaires and install the same on the boundary between Lots No. 3 and No. 4 referred to in the aforesaid lease to illuminate said lots and to install lighting on the rear of the building extension referred to in the attached lease to illuminate the rear thereof.

8. Compact a portion of the land adjacent to the rear of the building presently existing on Lot No. 3 referred to in the attached lease 20 ft. by 20 ft. in dimension as desired by the Lessee and build thereon a 12" concrete slab.

9. Build a sidewalk from the front entry of the existing building on Lot No. 3 referred to in the attached lease to a guardhouse to be built by the Lessee at Lessee's expense (except for the concrete slab 10 ft. by 10 ft. upon which site the guardhouse will rest which will be laid by the Lessor at Lessor's expense) on the front of said Lot No. 3 adjacent to the fence which is to be built around the boundaries thereof.

10. Grade approximately 15,000 sq. ft. of land in Lot No. 4 for a parking area as desired by the Lessee.

11. Build a ramp from the loading platform to be built in the rear of the building extension referred to in the attached lease as desired by the Lessee.

12. Plastic in the window apertures in the existing building on Lot No. 3 referred to in the attached lease upon request of Lessee.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY
SAN JUAN, PUERTO RICO

CERTIFICATE OF ACCEPTANCE ON FULL OCCUPANCY

It is hereby certified that the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY, hereafter called the Landlord and General Electric Pilot Devices, Inc., hereafter called the Tenant have agreed regarding the full occupancy of Factory Building No. 7-635-63, located at Vega Alta, Puerto Rico, as follows:

1. The Tenant accepts the aforementioned building for full occupancy, except for those items specified in Exhibit C to lease dated June 20, 1966 between the Landlord and the Tenant to be constructed thereat; it being understood that the West wall of the Building shall only be removed as provided in the aforesaid lease.

2. The Tenant may occupy said Factory Building rent free from June 15, 1966 to and including June 30, 1966. Thereafter the Tenant shall pay rent pursuant to the aforesaid lease dated June 20, 1966.

As evidence of their agreement, the Landlord and the Tenant hereby sign this document on this 20th day of June, 1966.

GENERAL ELECTRIC PILOT DEVICES, INC.

by: _____ Chairman of the Board

PUERTO RICO INDUSTRIAL DEVELOPMENT CO.

by: _____

cc: T.E. Mosley
L.A. de Sorbo
L. Neal, Law Eng.

RAPIFAX TO: Bob Schauseil

TO: EQB, Puerto Rico

FROM: Len Peterson

January 27, 1983

Gentlemen, Good Morning.

My name is Bob Schauseil and I'm the Manager of the General Electric plant in Juana Diaz.

The other GE people here are Mr. Ignacio Rivera, Mr. Jake Calder and Mr. Javier Colon. Mr. Joe Alexander and Mr. Larry Neal are employed by Law Engineering & Testing Company of Marietta, GA, environmental consultants retained by GE.

Perhaps a brief overview would be helpful to those who have come to this project recently.

In 1959, some two years after start-up, the Juana Diaz plant, then operated as a 100 percent owned General Electric subsidiary, General Electric Wiring Devices, Inc., began manufacture of a mercury (silent) switch component called "The Mercury Button". It was basically a 10 amp, hermetically enclosed switch consisting of: 2 eyelet-drawn, chrome iron shells; a ceramic barrier with a through hole, parallel to its axis; about 3 grams of mercury; and some fairly sophisticated glass-to-metal sealing to enclose all of this into an air-tight capsule.

The mercury button was manufactured at the Juana Diaz plant until 1969. During that ten year period it became an accepted practice to discard defective buttons in a waste area behind and to the west of the plant. When defective buttons were identified, they were broken open to reclaim the mercury, and the residual materials were discarded in the waste area.

In 1979, during a routine survey of the grounds, a GE Industrial Hygienist discovered that the mercury reclamation process had not been entirely successful.

Traces of mercury adhering to the surface of the broken components had also been dispersed throughout the waste area. An accumulation of the mercury resulted in soil contamination of the waste area, which is roughly pentagonal in shape and about 20,000 square feet in area.

This discovery prompted us to engage Law Engineering & Testing Co., which in April, 1981 began its testing and evaluation efforts. A description of the testing analyses, findings and recommendations of Law Engineering I will leave to Joe and Larry. Their presentation is comprehensive and thorough. It should take about 1½ hours to complete.

GE_CARIBE001533

GE MEETING JAN 27, 1983
9:00 AM

(1) Julio C Díaz E.Q.B.
(2) [illegible]
(3) CARLOS E. O'NEILL USEPA
(4) Pedro A. Gelabert EQB
(5) Jaime Colón GE
(6) IGNACIO RIVERA GE
(7) [illegible] HFK
(8) RAY PFOUTNER EPA
(9) Jacobo Colón J. GE. J. Díaz
(10) Bob Schauwecker G.E. Co. Juana Díaz
(11) Braulio Garcia E.Q.B.
(12) Luis E de la Cruz E.Q.B.

Juana Díaz
[illegible]

RECEIVED
JAN 31 1983
L. C. PETERSON

117766

GE_CARIBE001534

PARTICIPANTS

* GENERAL ELECTRIC

1. Bob Schauseil - Plant Manager, Juana Diaz

2. Javier Colon - Environmental Programs, Puerto Rico

3. Ignacio Rivera - Counsel, Puerto Rico

4. Jocobo Calder - Employee & Community Relations, Juana Diaz

5. Other Professionals Involved:
   James Friss - Environmental Specialist, Contractor Equipment Operation
   Marvin Phillips - Environmental Engineer, Corporate Environmental Protection Operation

112267

PARTICIPANTS

* LAW ENGINEERING

1. Larry Neal, PE - Senior Environmental Engineer

2. Joe Alexander, PG - Senior Hydrogeologist

3. Other Professionals Involved
   Hydrogeology (Bart Germond)
   Geochemistry (Bruce Jernigan & Dave Long)
   Geotechnical Engineering (Glenn Coffman)
   Construction Engineering (Richard Roberts)
   Chemistry (Jim Maroncelli)
   Geophysics (Mark Parker & Bob White)

117768

OPERATING HISTORY

* Juana Diaz Plant
  - Opened in 1957
  - Manufactures Wiring Devices
  - Manufactured Silent Mercury Switches; 1959-1969

* Waste Description
  - Discarded Switch Parts
  - Waste Fill Area
  - No On-Site Waste Deposited Since 1970

117769

AGENDA

* Introduction & Background - Bob Schauseil
* Site Studies & Findings - Joe Alexander

  break

* Closure Evaluation & Proposal - Larry Neal
* Open Discussion

11/27/90

PRESENTATION OBJECTIVES

* Summarize Studies
* Present Closure Alternatives
* Regulatory Input

117724

FOCUS OF STUDIES

* operating history
* waste fill characteristics
* area hydrogeology
* area physiographic setting
* site hydrogeology
* geochemistry of waste fill
* closure of waste fill

GE_CARIBE001540

FOUR STUDIES PERFORMED

* Initial Assessment
  (April - June, 1981)

* Clay Continuity Study
  (September - November, 1981)

* Perched Water Study
  (December 1981 - present)

* Hydrogeochemical Assessment
  (October 1982 - present)

117773

INITIAL ASSESSMENT

(April - June, 1981)

PURPOSE

* Determine Hydrogeologic Setting
* Determine Pollution Potential of Fill

TECHNIQUES

* Review Regional & Site Information
* Reconnaissance of Site Area
* Excavation of 10 Test Pits
* Sampling: Soil, Waste & Perched Water
* Total Mercury Analyses & EP Toxicity
* Soil Properties & Classification

GE_CARIBE001542

FINDINGS

(Initial Assessment)

AREA HYDROGEOLOGY

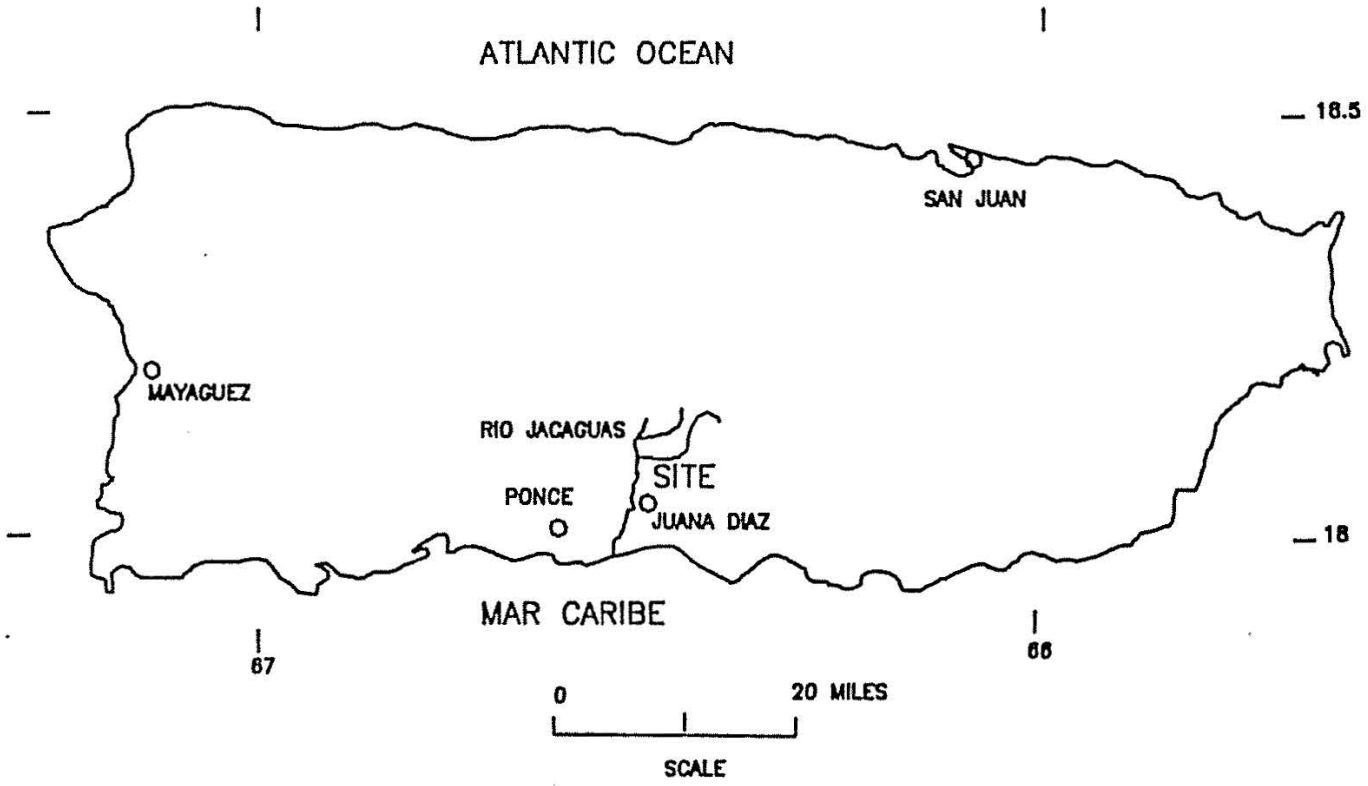
* Coastal Plain / Volcanics

* Formations - Water Bearing Units

* Alluvial Aquifer
    - extent / thickness
    - flow - recharge / discharge
    - properties
    - usage

* Climate
    - evaporation exceeds precipitation

117775



GENERAL LOCATION MAP

117776

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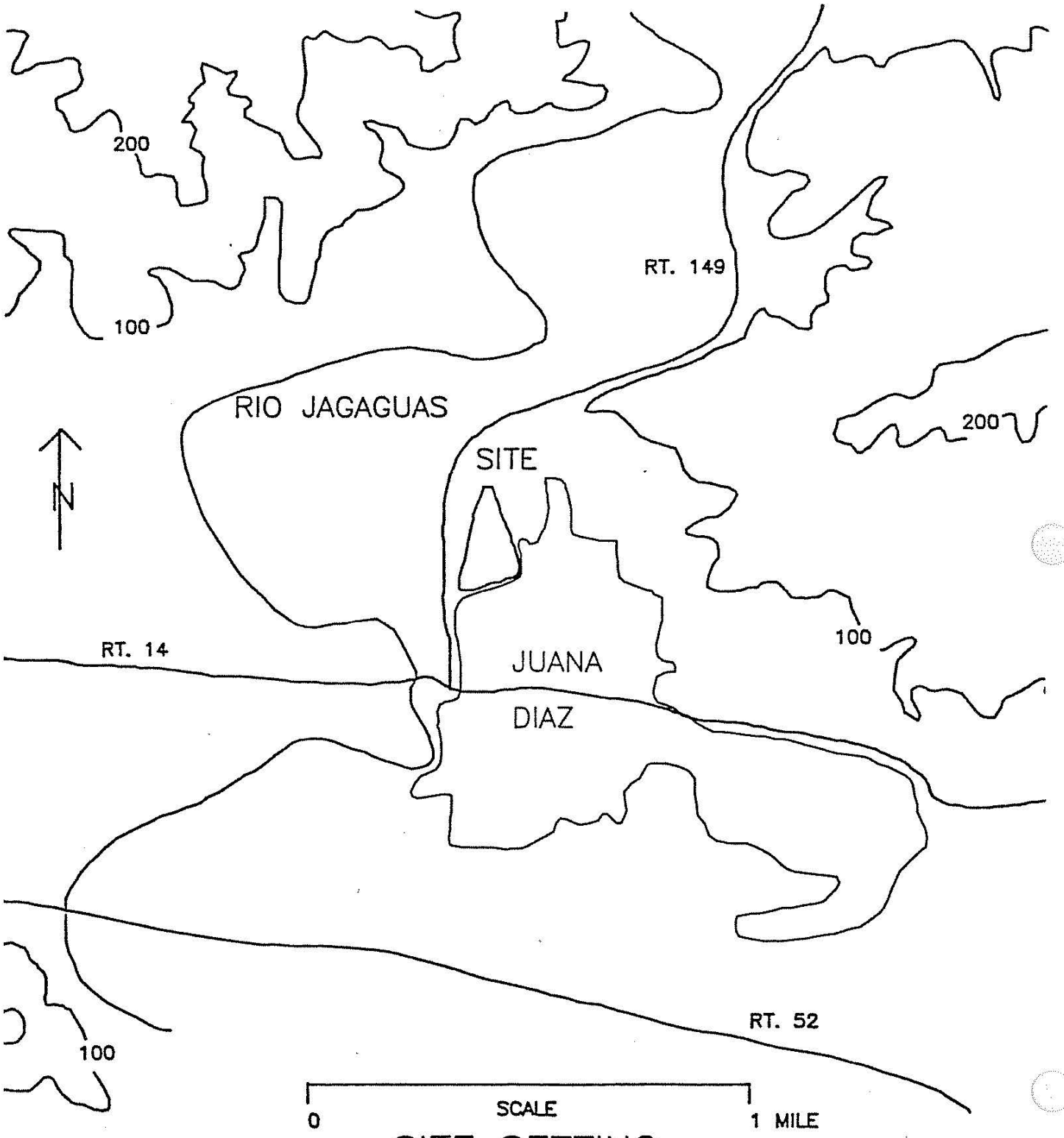
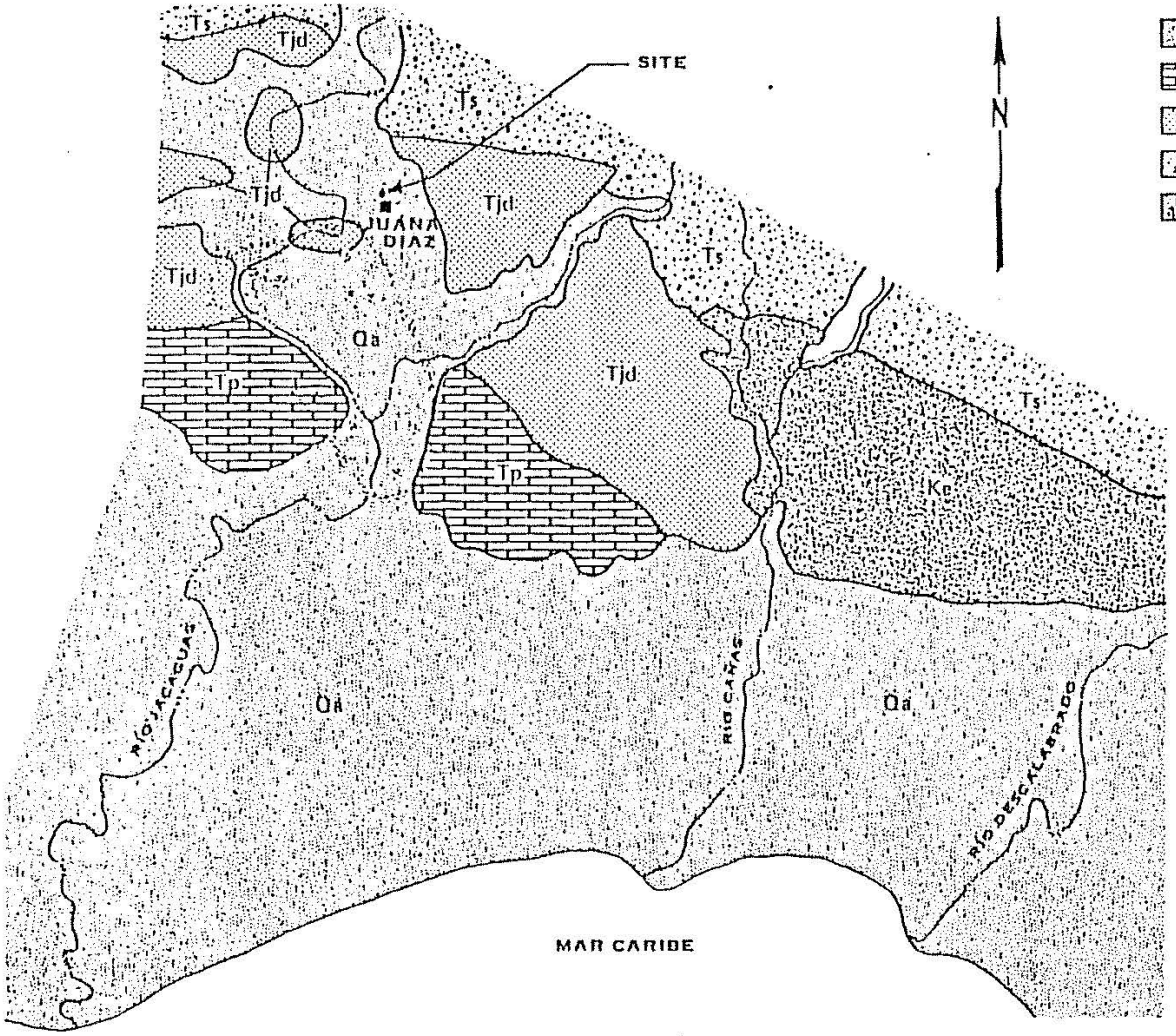


SITE SETTING



EXPLANATION

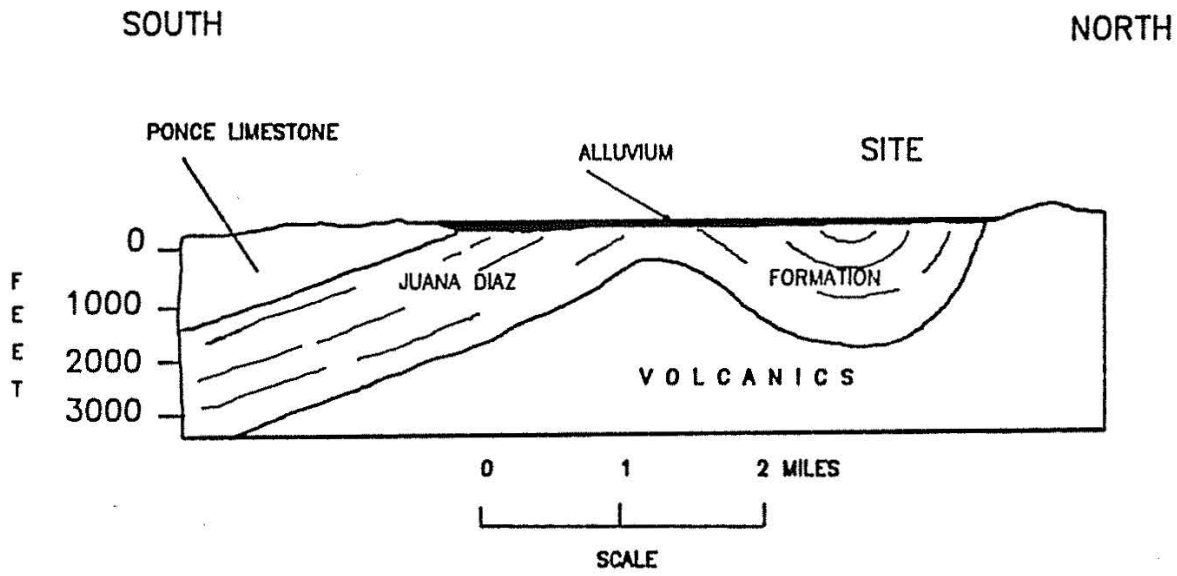
- Qa — HOLOCENE ALLUVIUM
- Tp — TERTIARY PONCE LIMESTONE
- Tjd — TERTIARY JUANA DIAZ FORMATION; SILTS, CLAYS, & LIMESTONE
- Ts — TERTIARY VOLCANICS
- Ke — CRETACEOUS VOLCANICS

1 0 1 MILES

GEOLOGIC UNITS

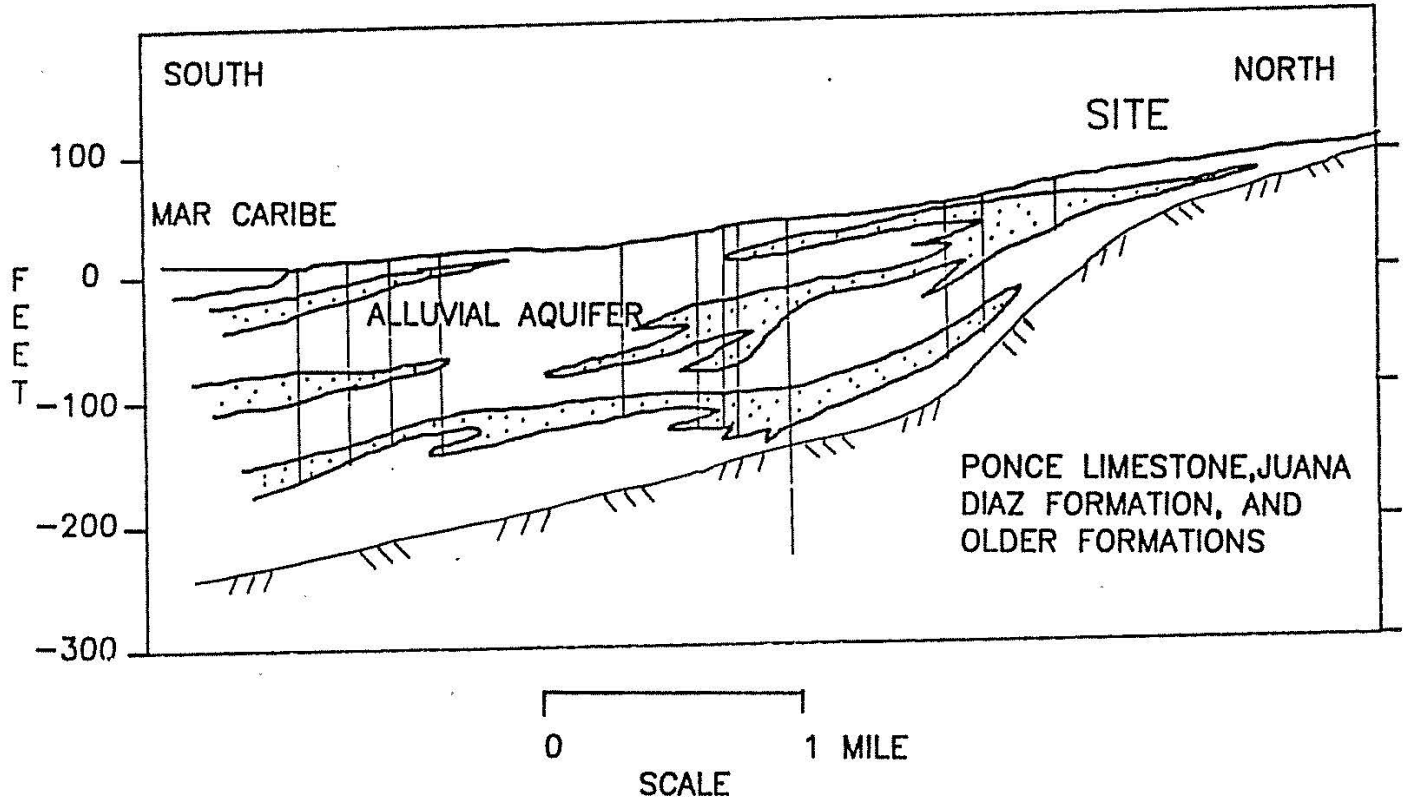
IN THE VICINITY OF THE SITE

117778



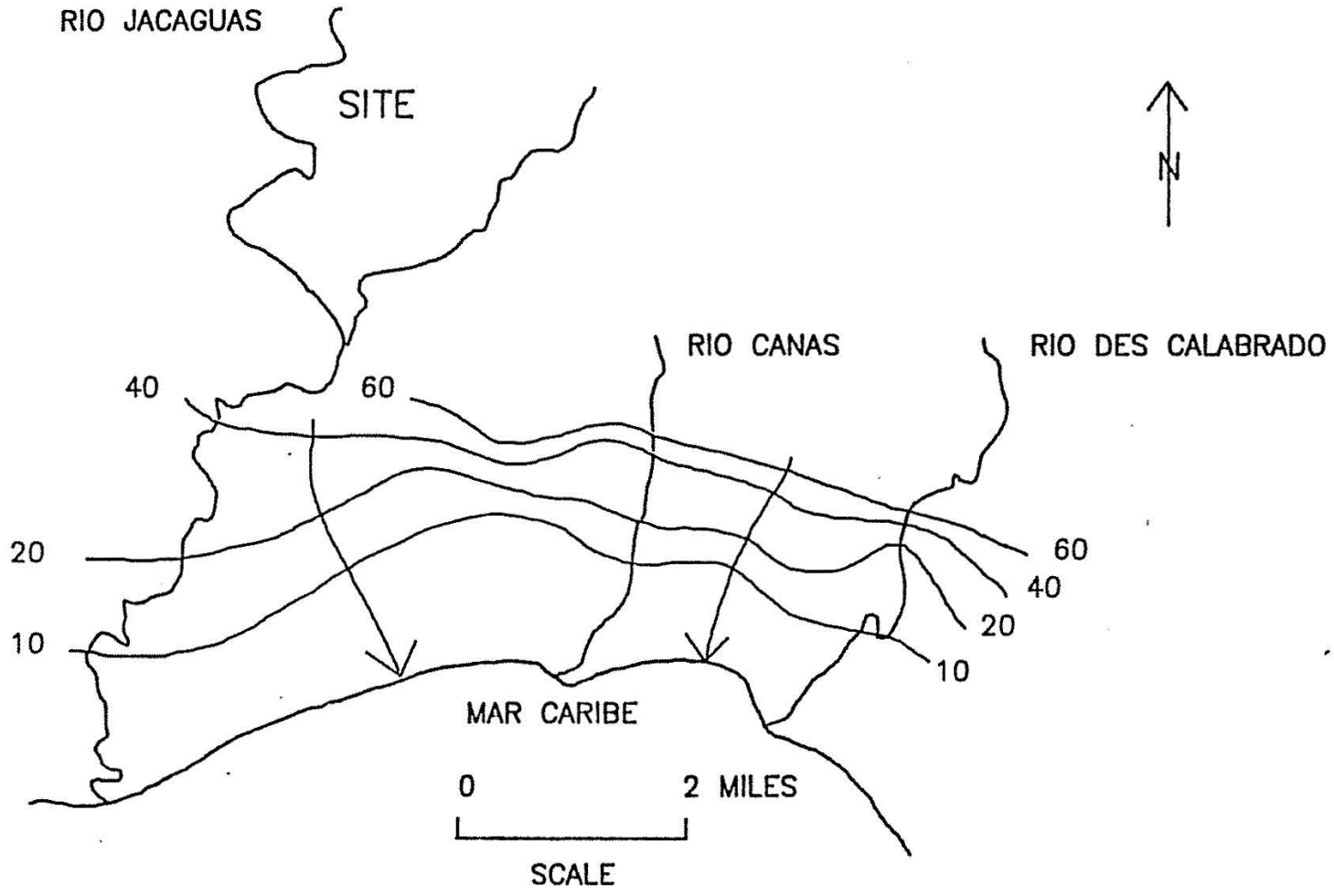
GENERALIZED CROSS SECTION
OF DEEPER GEOLOGIC FORMATIONS

117779



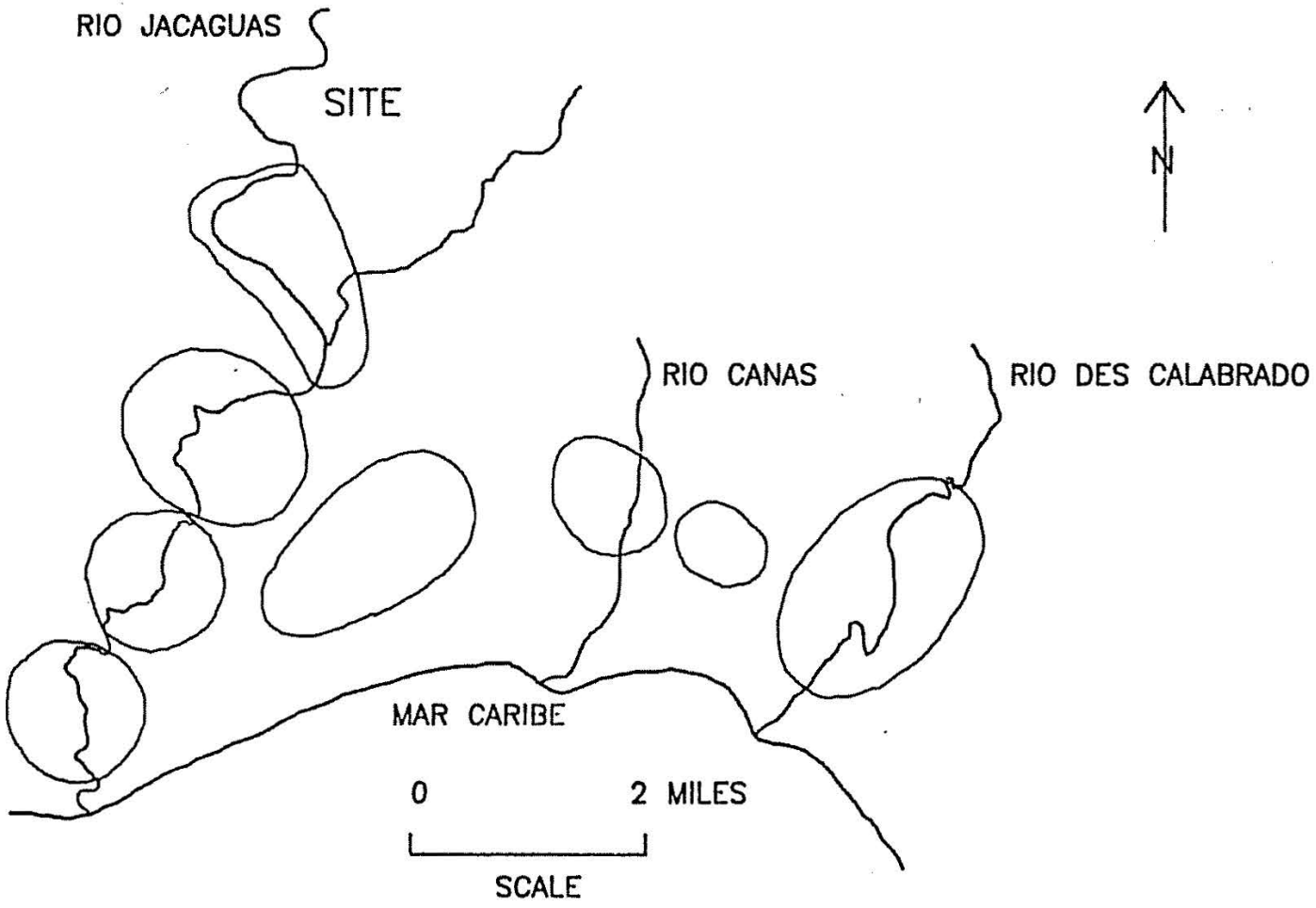
CONCEPTUAL CROSS SECTION
OF ALLUVIAL AQUIFER

117780



GROUND WATER FLOW
IN ALLUVIAL AQUIFER

117781



WELL FIELDS IN
JUANA DIAZ AREA

117782

FINDINGS (Initial Assessment)

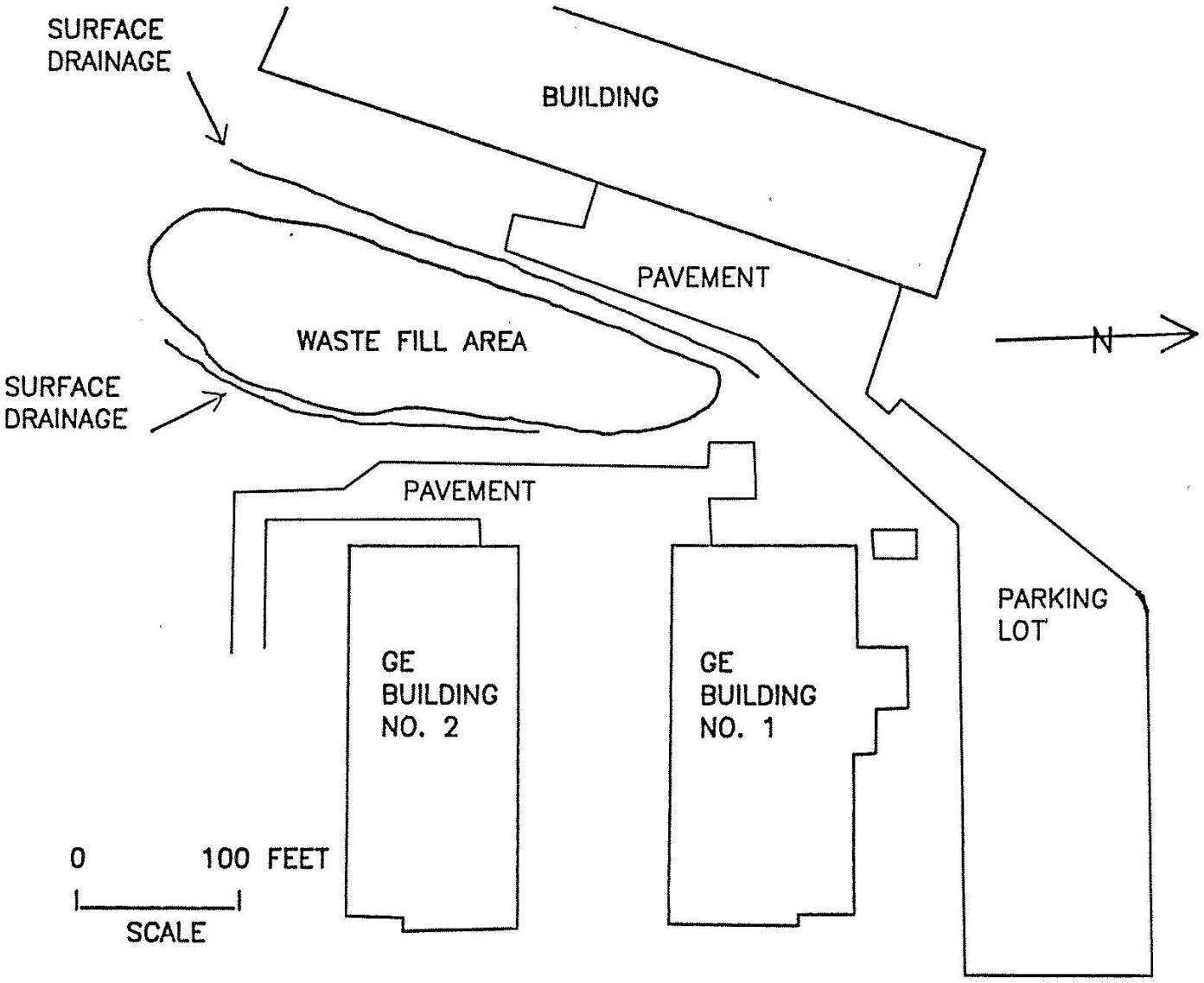
SITE CONDITIONS

* Primary Waste Fill
    - extent / thickness
    - characteristics

* Hydrogeology
    - silty clay stratum
        - characteristics
        - perched water table
        - continuity
    - alluvial deposits

* Surface Drainage

117783



GENERALIZED SITE SETTING

117784

FINDINGS (Initial Assessment)

SITE CONDITIONS

* Total Mercury Analyses

- Waste Fill; 123 to 3200 ppm
- Waste Fill EP Toxicity Test; <.001 mg/l
- Perched Water & Seepage; .008 to .306 mg/l
- Drainage Ditch Water; .002 to .018 mg/l
- Silty Clay; .098 to 12 ppm
- Alluvial Soils Directly Beneath Silty Clay; .063 to .258 ppm
- Background, area soils; about 0.1 ppm
- Background, soils in general; up to 5 ppm

117785

CLAY CONTINUITY STUDY

(September - November, 1981)

PURPOSE

* Assess continuity of silty clay stratum
* General effectiveness of stratum as a barrier

TECHNIQUES

* Excavation / classification 41 test pits
* 22 resistivity soundings
* Soil properties & classification

117786

GE_CARIBE001554

FINDINGS
(Clay Continuity Study)

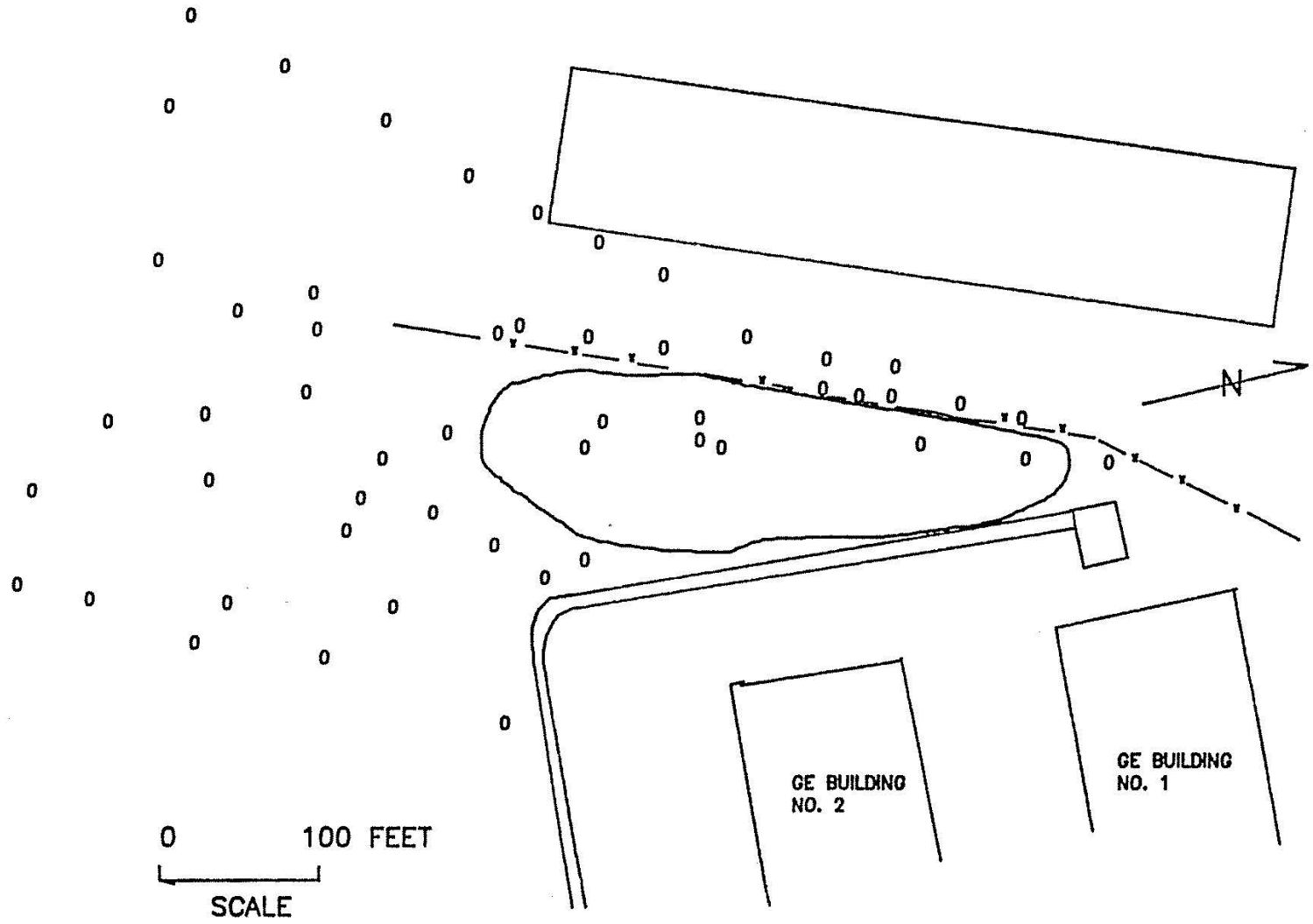
SILTY CLAY IS CONTINUOUS

* Present in all Excavations
* Slopes South
* Same Material Type Everywhere

RESISTIVITY

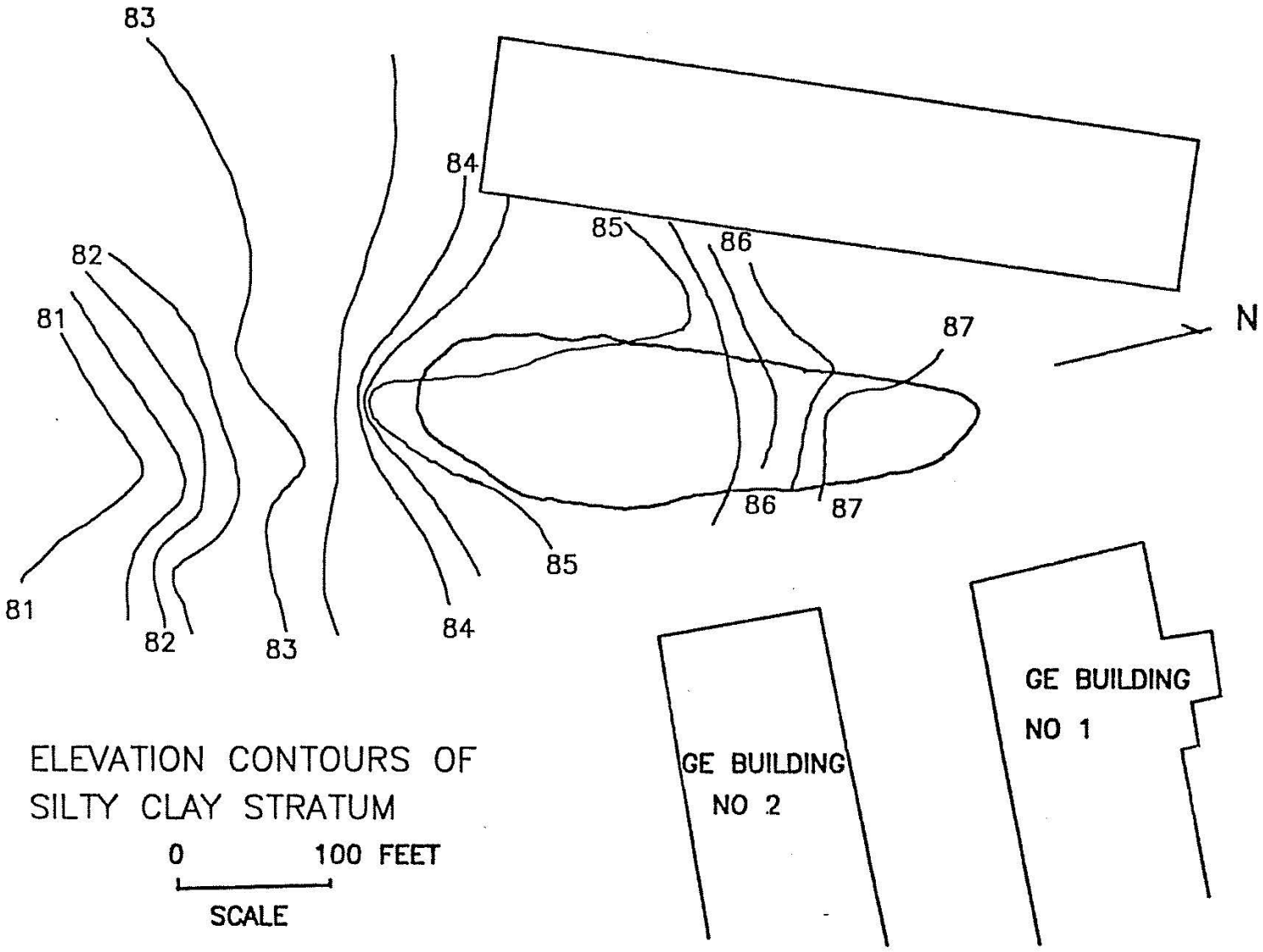
* Depth to Water Table Estimated 40 Feet

117787



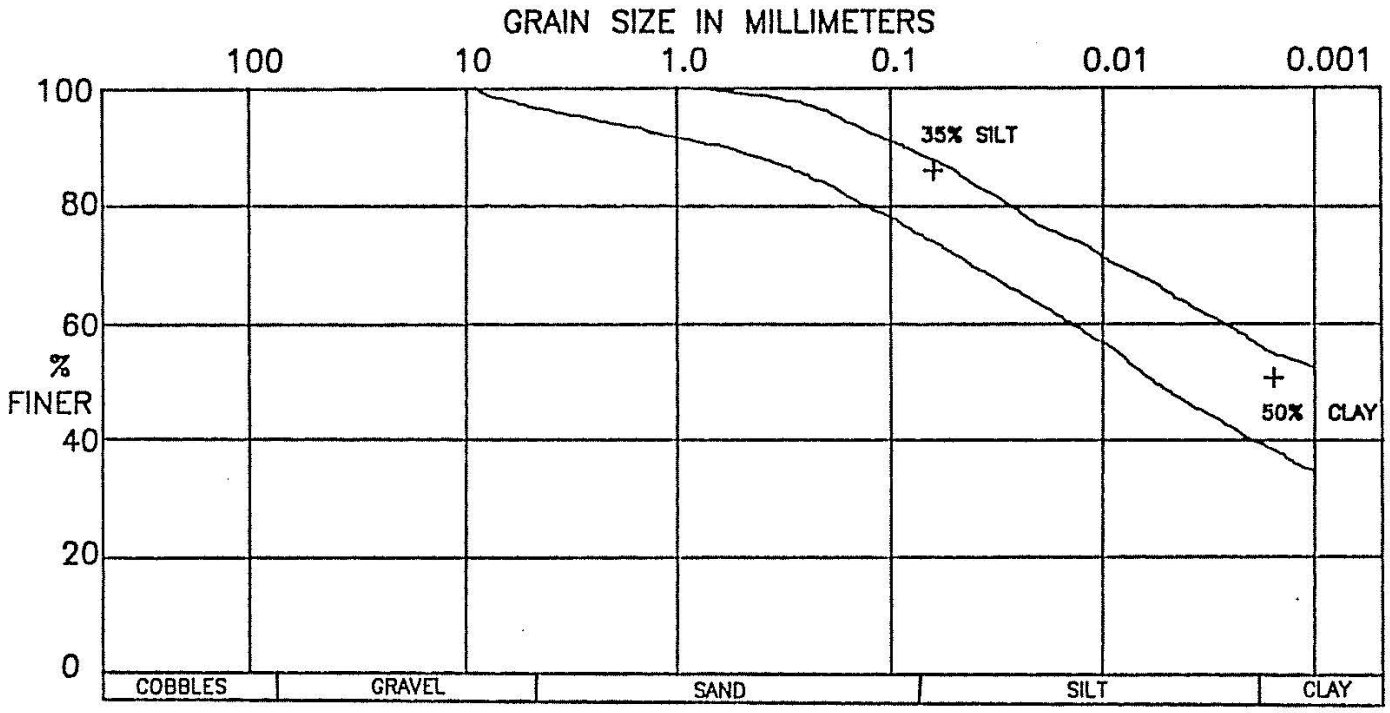
TEST PIT
LOCATIONS

117788



ELEVATION CONTOURS OF
SILTY CLAY STRATUM

117789


GRAIN SIZE IN MILLIMETERS
100
10
1.0
0.1
0.01
0.001
100
80
60
%
FINER
40
20
0
35% SILT
50%
CLAY
COBBLES
GRAVEL
SAND
SILT
CLAY

117790

PERCHED WATER STUDY

(December 1981 - present)

PURPOSE

* Determine Hydraulic Conditions of Perched Water
* Measure Perched Water Levels & Precipitation - Long Period
* Use Standpipes to Monitor Remedial Measures

TECHNIQUES

* Installed 11 Standpipes in Waste Fill
* Measured Water Levels & Precipitation
* Trend Analysis

117291

FINDINGS

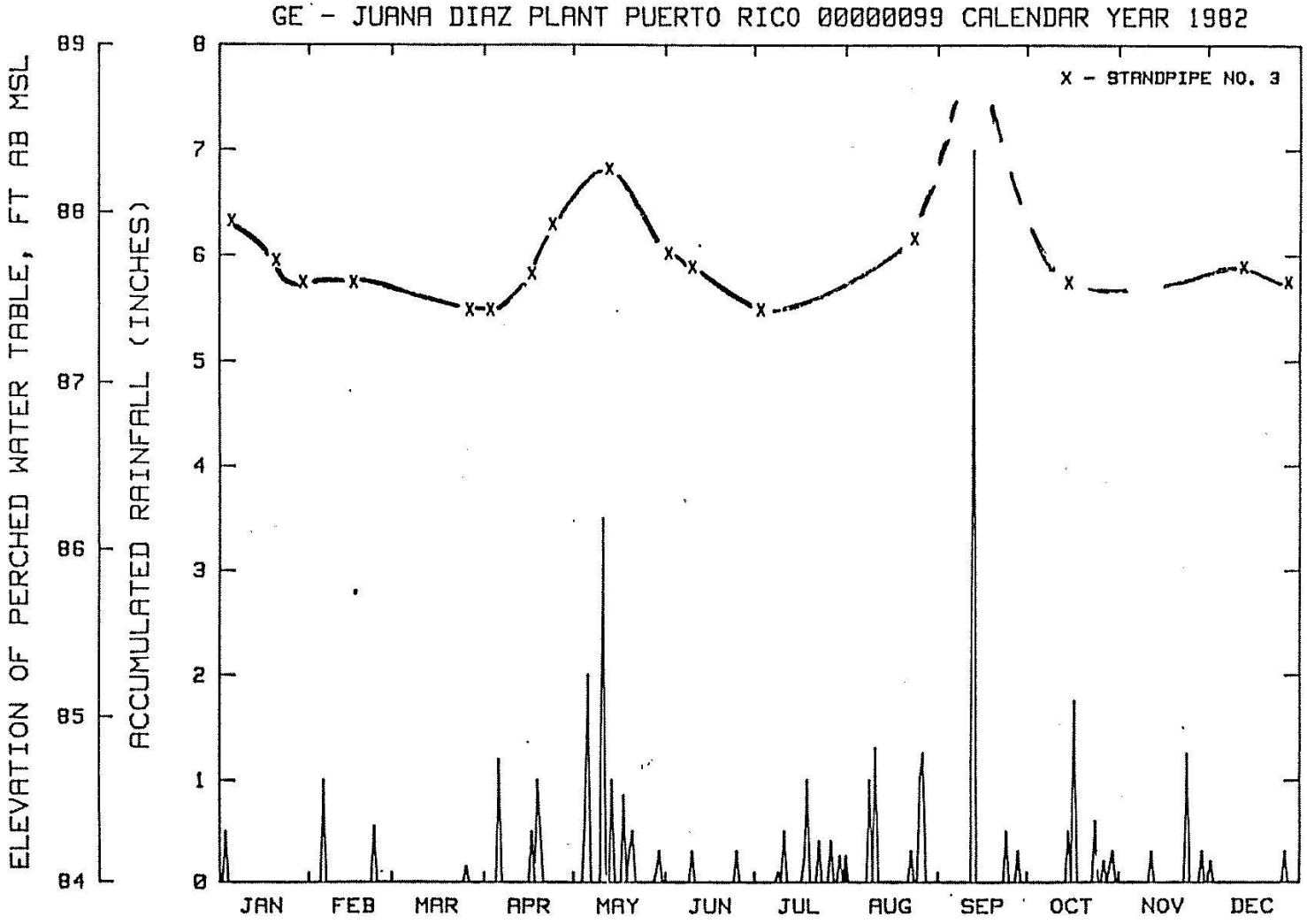
(Perched Water Study)

* Perched water recharged by precipitation
* Perched water levels high in mid May & low in early July
* Perched water discharges as surface seepage & evaporation
* Gradients steeper in south at discharge area
* No indications of internal perched water drainage
* Continuing to monitor perched water levels & precipitation

117792

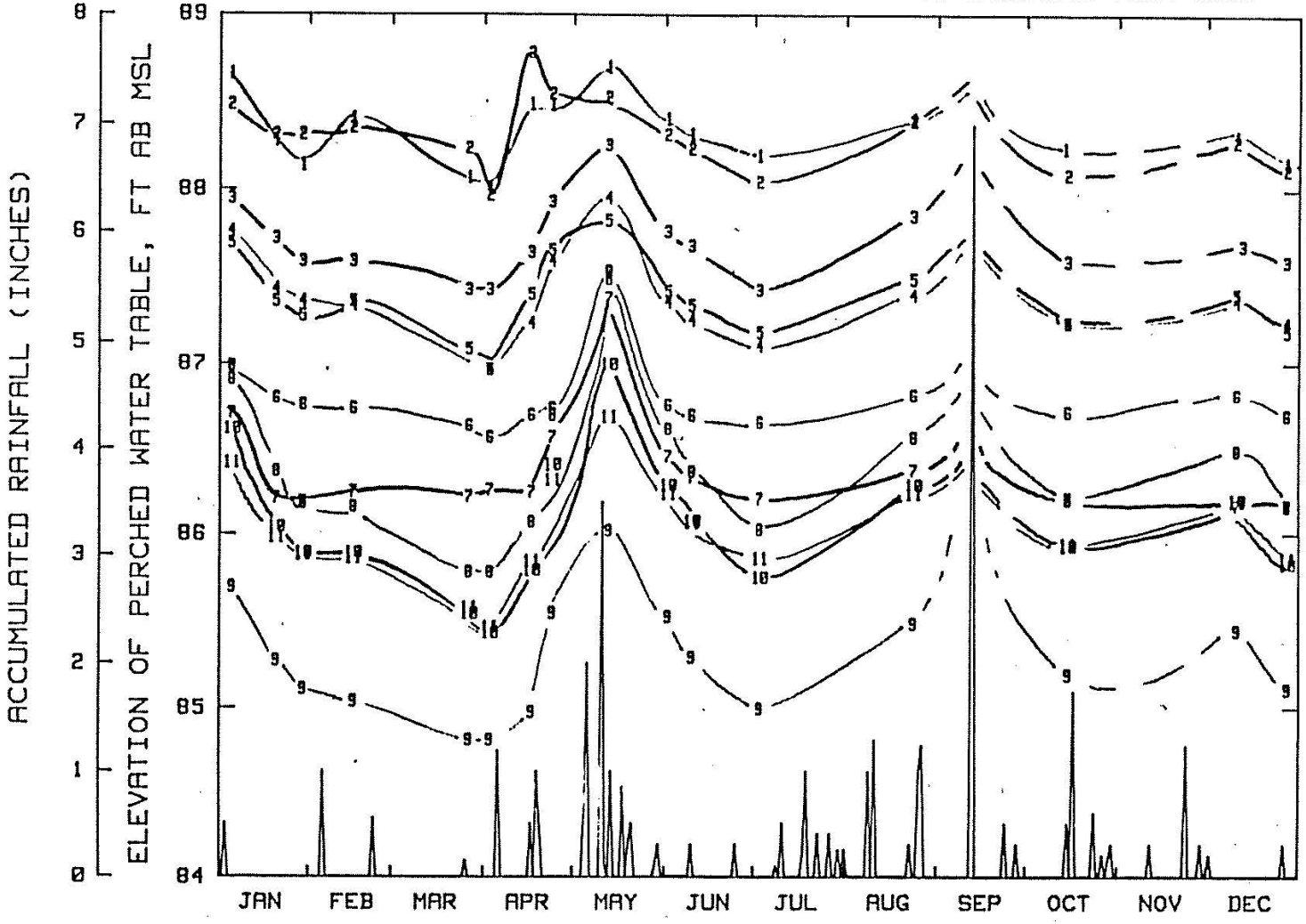
GE_CARIBE001560

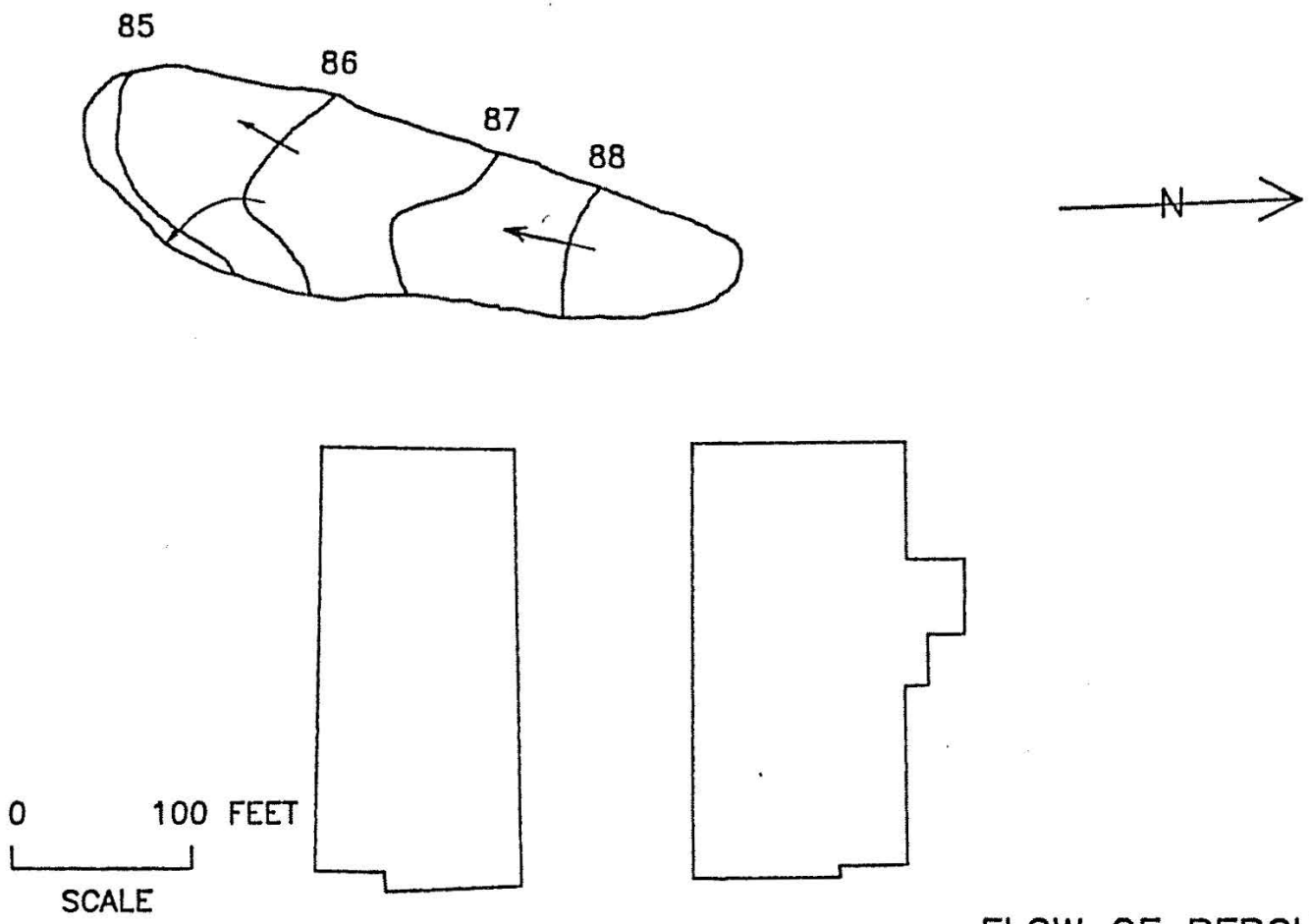
117793


GE - JUANA DIAZ PLANT PUERTO RICO 00000099 CALENDAR YEAR 1982
X - STANDPIPE NO. 3
ELEVATION OF PERCHED WATER TABLE, FT AB MSL
ACCUMULATED RAINFALL (INCHES)
89
88
87
86
85
84
8
7
6
5
4
3
2
1
0
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC

117794

GE - JUANA DIAZ PLANT PUERTO RICO 00000001 CALENDAR YEAR 1982





FLOW OF PERCHED WATER (EARLY JULY 1982)

117295

HYDROGEOCHEMICAL ASSESSMENT

(October 1982 - present)

PURPOSE

1. Alluvial Aquifer Characteristics
   * Lithology
   * Depth to water table
   * Direction of flow
   * Analysis for mercury
2. Downgradient sediment analysis
   * Mercury analysis on- & off-site
   * Potential for runoff contamination
3. Geochemical Stability of Waste Fill
   * Potential mobility of mercury
   * Effects of closure
   * Potential treatment considerations

117796

GE_CARIBE001564

HYDROGEOCHEMICAL ASSESSMENT

TECHNIQUES

1. Alluvial Aquifer Characteristics
   * Collected & classified soil samples
   * Installed, developed & sampled 4 wells
   * Analyzed soil & ground water for mercury

2. Downgradient sediment analysis
   * Analyzed 2 on-site & 8 off-site points

3. Geochemical Stability of Waste Fill
   * Collected 6 perched water samples
   * Field measurements of ORP/pH values
   * Analyzed for mercury species & others

117797

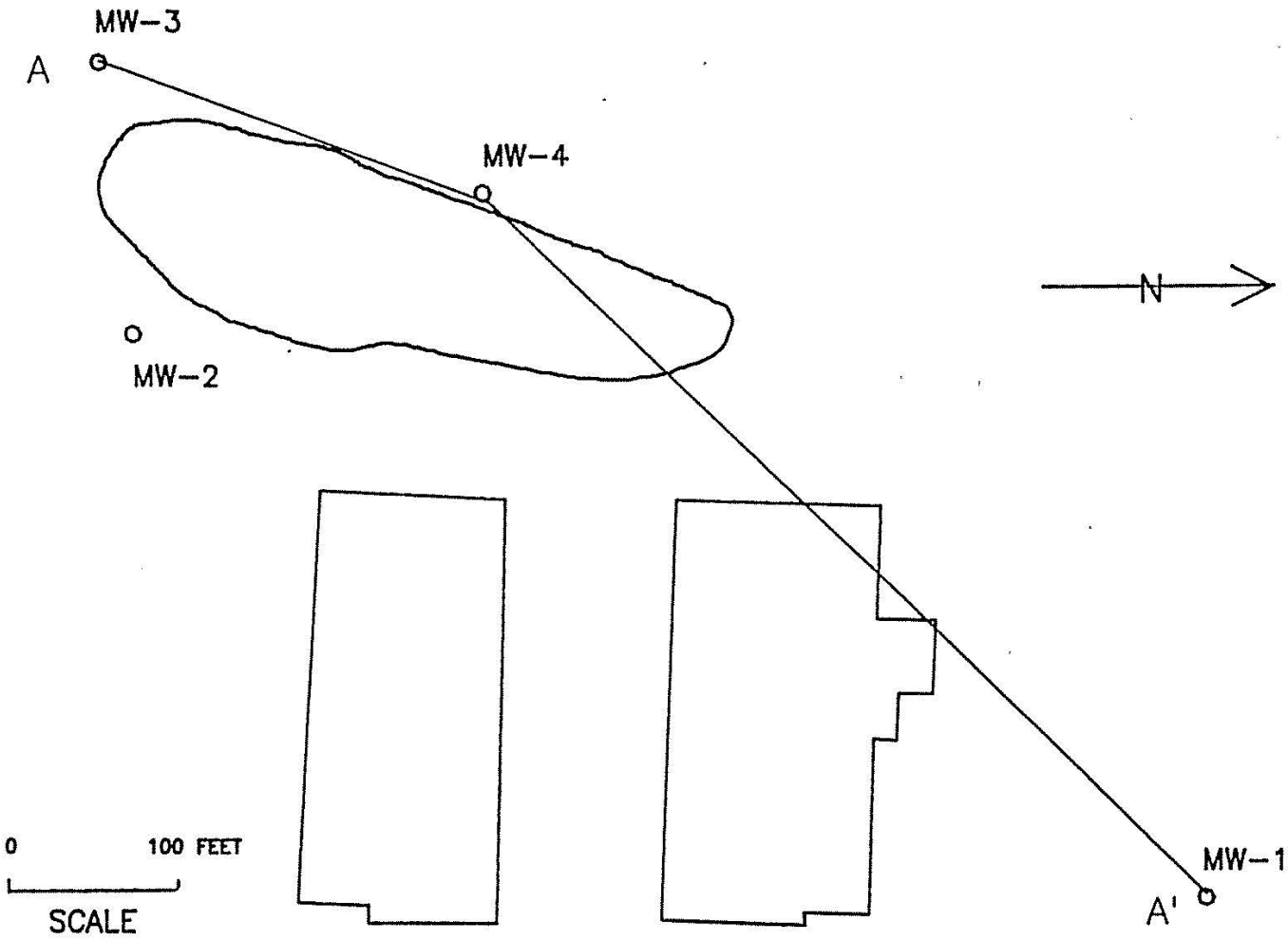
HYDROGEOCHEMICAL ASSESSMENT

FINDINGS

1. Alluvial Aquifer Characteristics
   * Site underlain by 5 strata
   * Clayey silt stratum - 20 feet thick
   * Water table > 40 feet below waste fill
   * Aquifer is permeable sand & gravel
   * Flow is to the West
   * No mercury in ground water

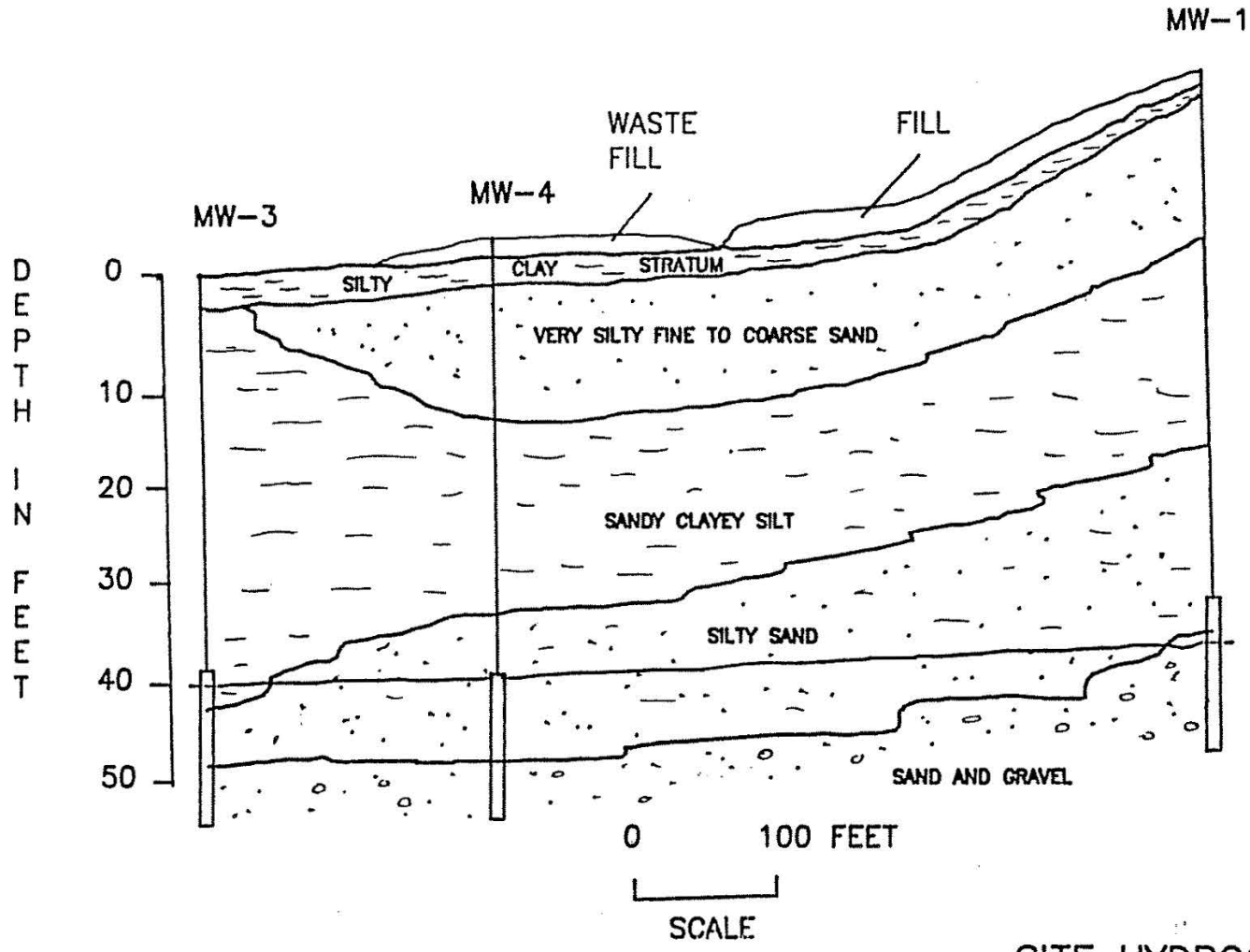
2. Downgradient sediment analysis
   * Background mercury about 0.1 ppm

117798



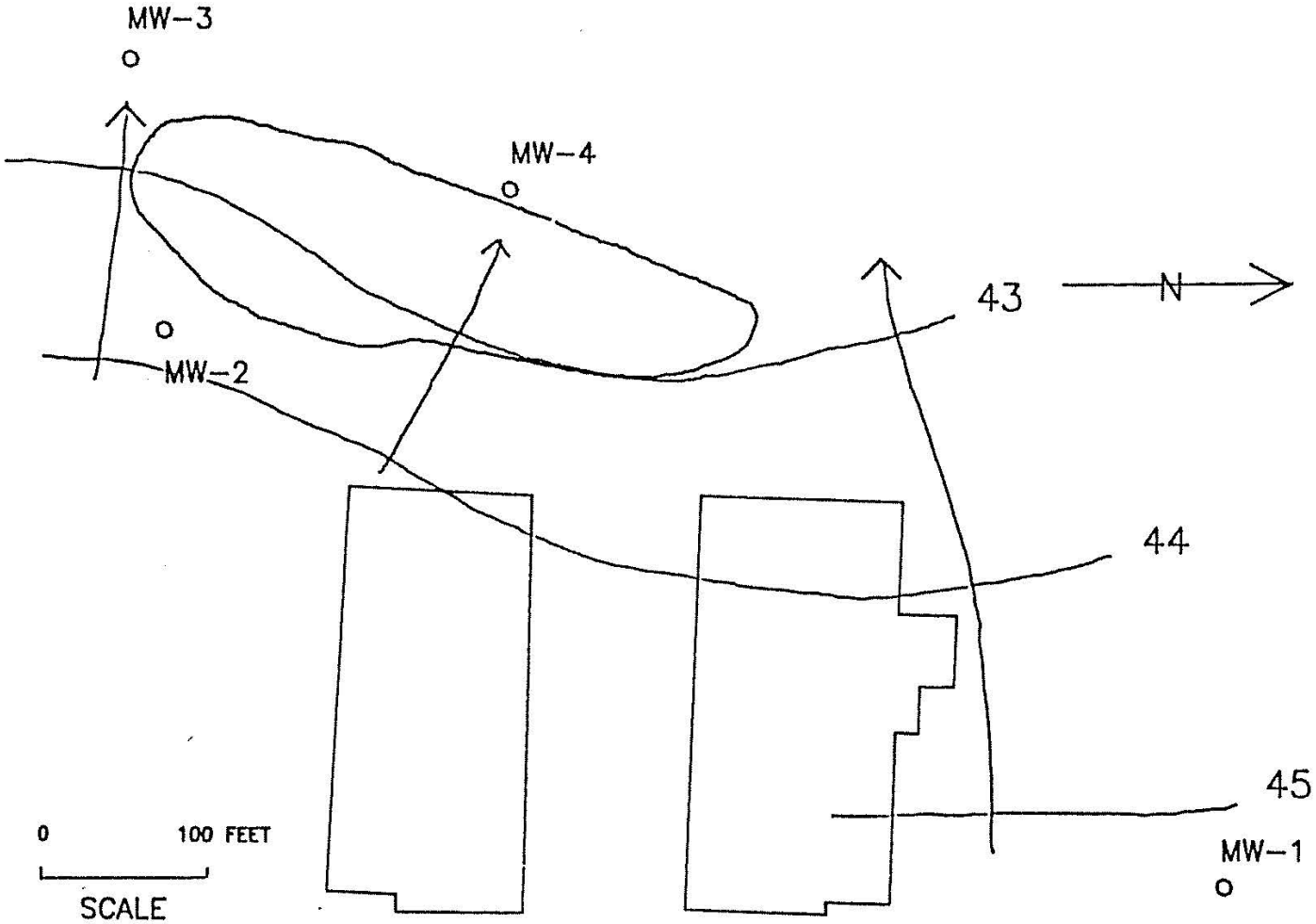
LOCATION OF GENERALIZED
HYDROGEOLOGIC PROFILE

117799



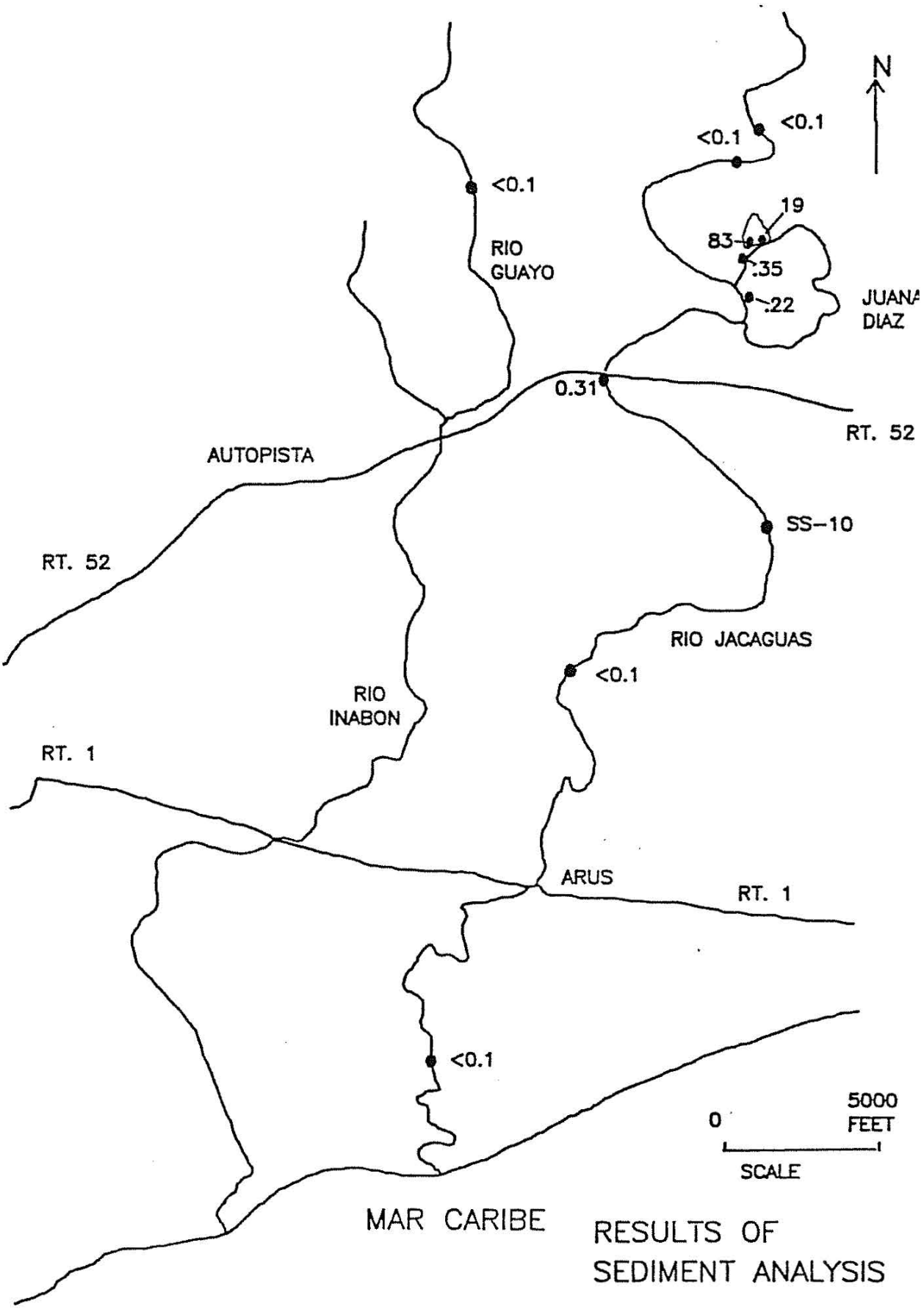
SITE HYDROGEOLOGIC PROFILE

117800



GROUND WATER FLOW
IN
ALLUVIAL AQUIFER

117801



RESULTS OF
SEDIMENT ANALYSIS

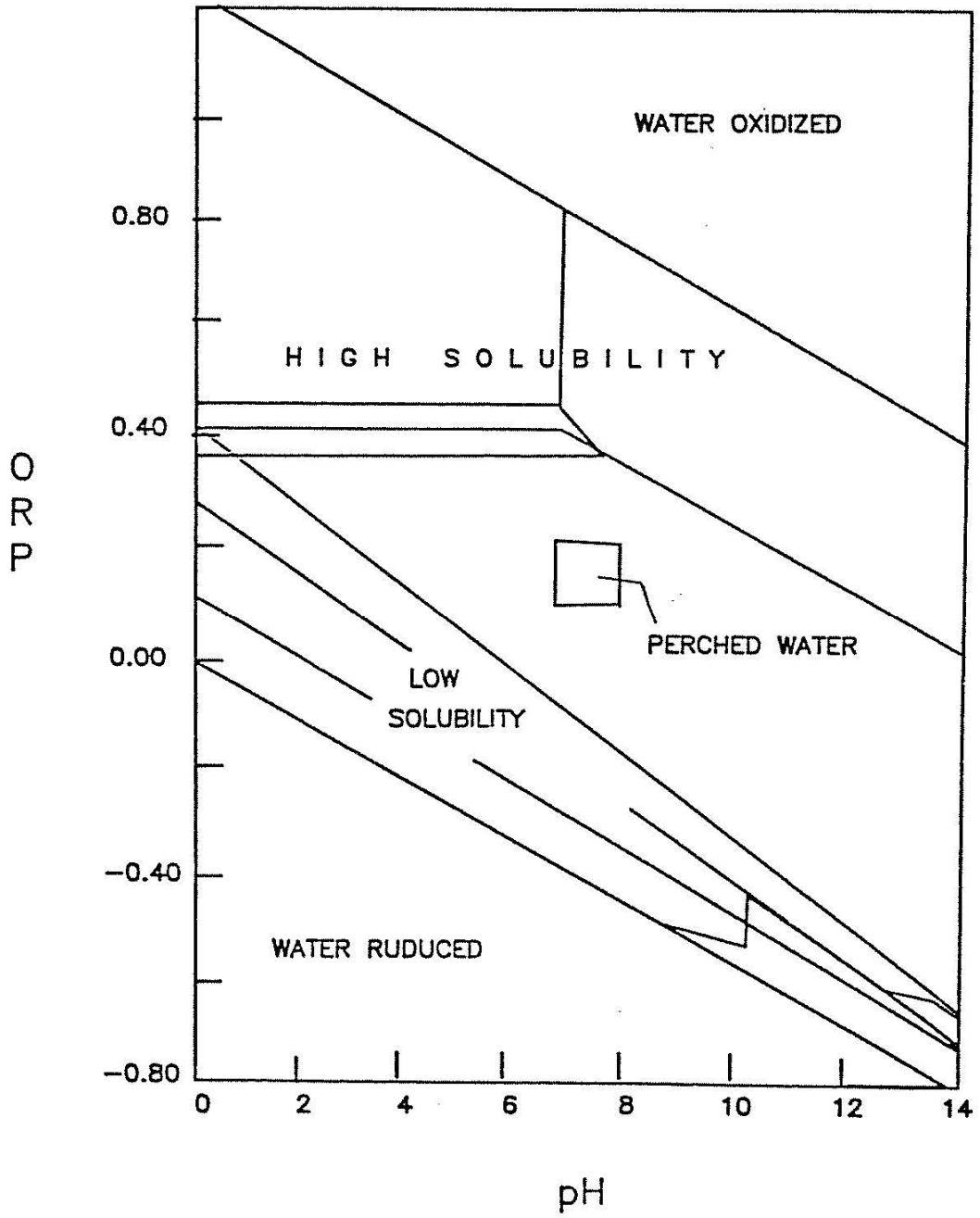
117802

HYDROGEOCHEMICAL ASSESSMENT

3. Geochemistry of the Perched Water

* Characteristics
  - mildly alkaline (pH 6.5 - 7.6)
  - high in dissolved solids (cond. 9400 - 12,200)
  - low in DO (1.4 to 2.6 mg/l)
  - weakly oxidizing (.13 to .22 ORP)
  - no metallic or ionic mercury in solution
  - little total mercury in solution (.002 to .33)
* Major Constituents
  - bicarbonate (742 to 3165 mg/l)
  - ammonia (650 to 1900 mg/l)
  - calcium (17 to 506 mg/l)
  - magnesium (296 to 893 mg/l)
* Minor Constituents
  - sulfate (< 5 to 40 mg/l)
  - sodium (11 to 36 mg/l)

117803



EQUILIBRIUM
DIAGRAM

117804

HYDROGEOCHEMICAL ASSESSMENT

3. Geochemical Stability of Waste Fill

* Waste Fill Mercury in Elemental Form
* Waste Fill Stable – Low Solubility of Mercury in Perched Water
* Solubility of Mercury Could be Lowered Further
* Only Significant Transport of Mercury is by Erosion

117805

SUMMARY OF KEY FACTORS

* KNOW LIMITS & CHARACTERISTICS OF WASTE FILL

* WASTE FILL UNDERLAIN BY:
  - continuous silty clay stratum
  - thick clayey silt stratum
  - deep water table
    (little or no chance for contamination to reach water table)

* PERCHED WATER IN WASTE FILL
  - recharged by precipitation
  - evaporates at southern end of waste fill
  - low mercury solubility

* ALLUVIAL AQUIFER
  - very permeable
  - is used for water supply
  - no mercury contamination

117806

SUMMARY OF KEY FACTORS

* GEOCHEMISTRY
  - mercury background in soil about 0.1 ppm
  - waste fill, perched water & some soils above silty clay stratum exceed background
  - waste fill material is relatively stable
  - mercury will tend to sorb on fine grained soils

* WASTE FILL
  - extremely low potential for ground-water degradation
  - only significant transport of mercury is by erosion

117807

GE_CARIBE001575

CLOSURE ALTERNATIVES

* Excavate & transport waste to off-site facility

* Leave waste in place & monitor ground-water quality

* Treat waste in place and redispose on-site

* Encapsulate waste in place

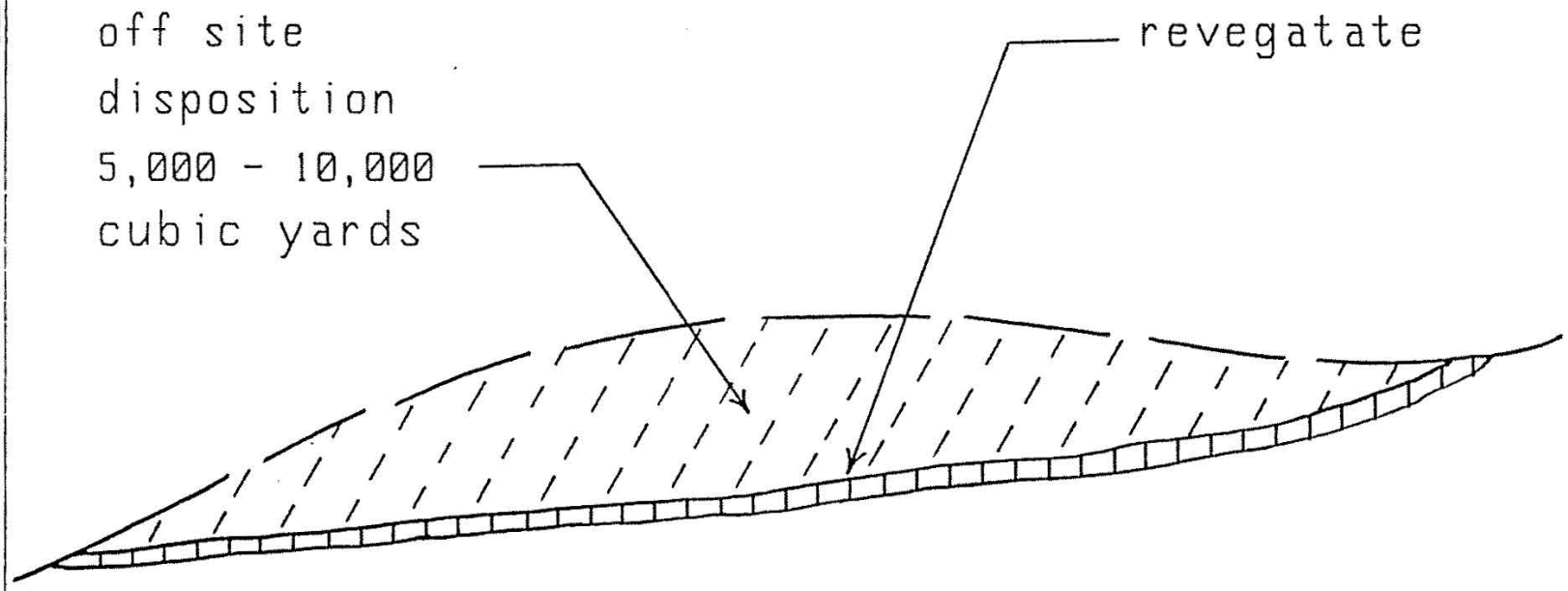
117808

FACTORS USED TO EVALUATE CLOSURE ALTERNATIVES

* TECHNICAL EFFECTIVENESS
* POTENTIAL FOR PROBLEMS DURING IMPLEMENTATION
* MAINTENANCE & MONITORING
* FUTURE SITE USE
* COST

117809

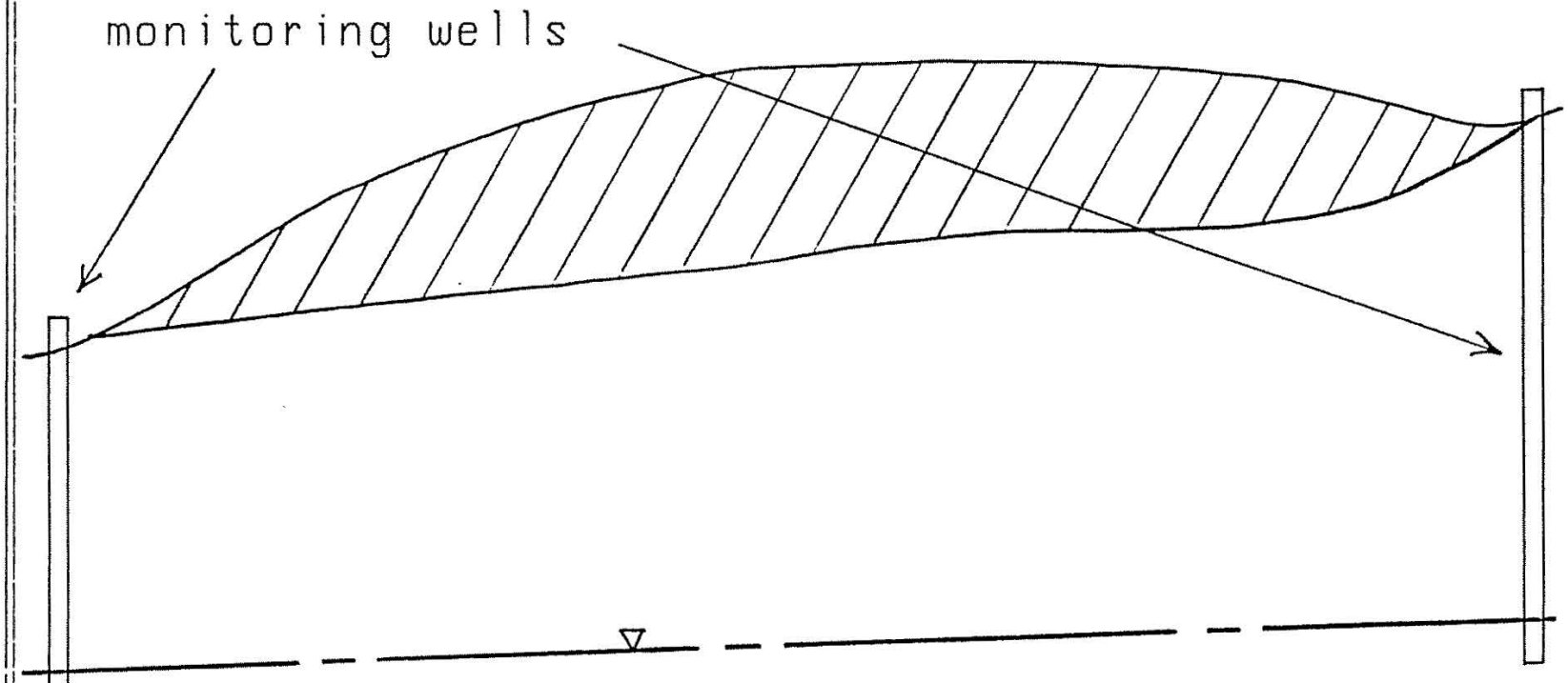
EXCAVATE AND TRANSPORT WASTE TO OFF-SITE FACILITY



+ potential site use
+ no monitoring
- high cost
- acute release potential
- transport accident potential
- use of landfill space
- worker exposure

117810

LEAVE WASTE IN-PLACE AND MONITOR GROUND-WATER QUALITY



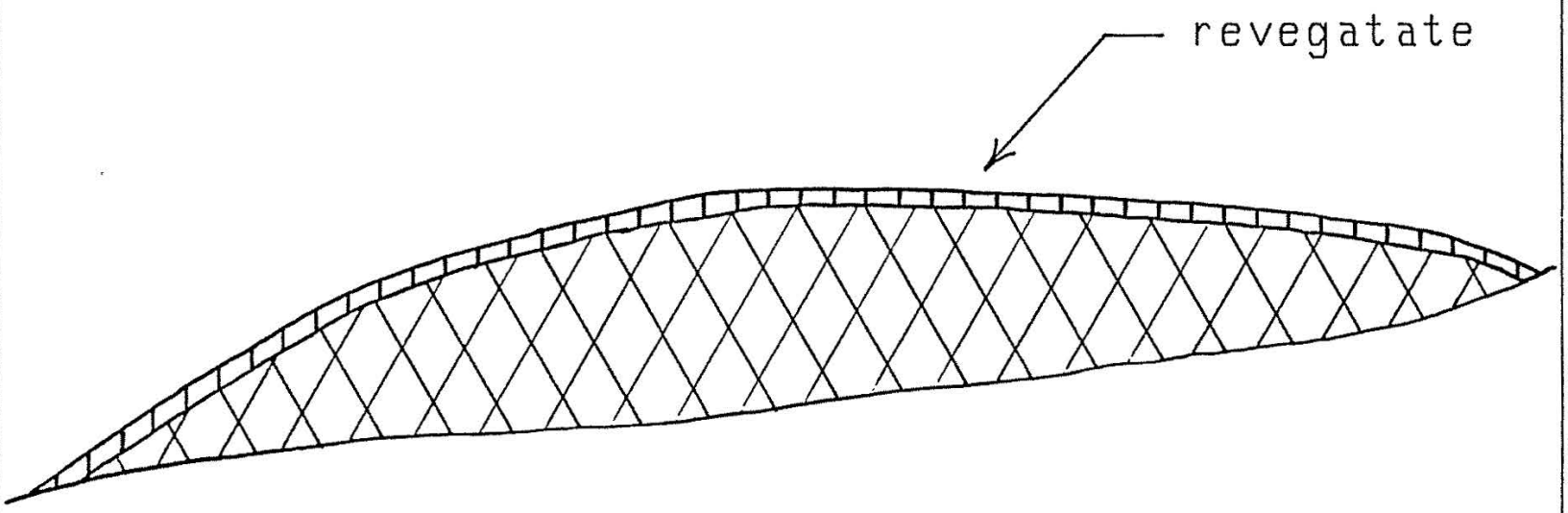
+ low cost
- permanent monitoring
- no potential site use

- mercury runoff
- continued recharge
- long-term problems

117811

STABILIZE WASTE AND REDISPOSE ON-SITE

WASTE + STABILIZING ADDITIVE → SOLIDIFIED INERT WASTE

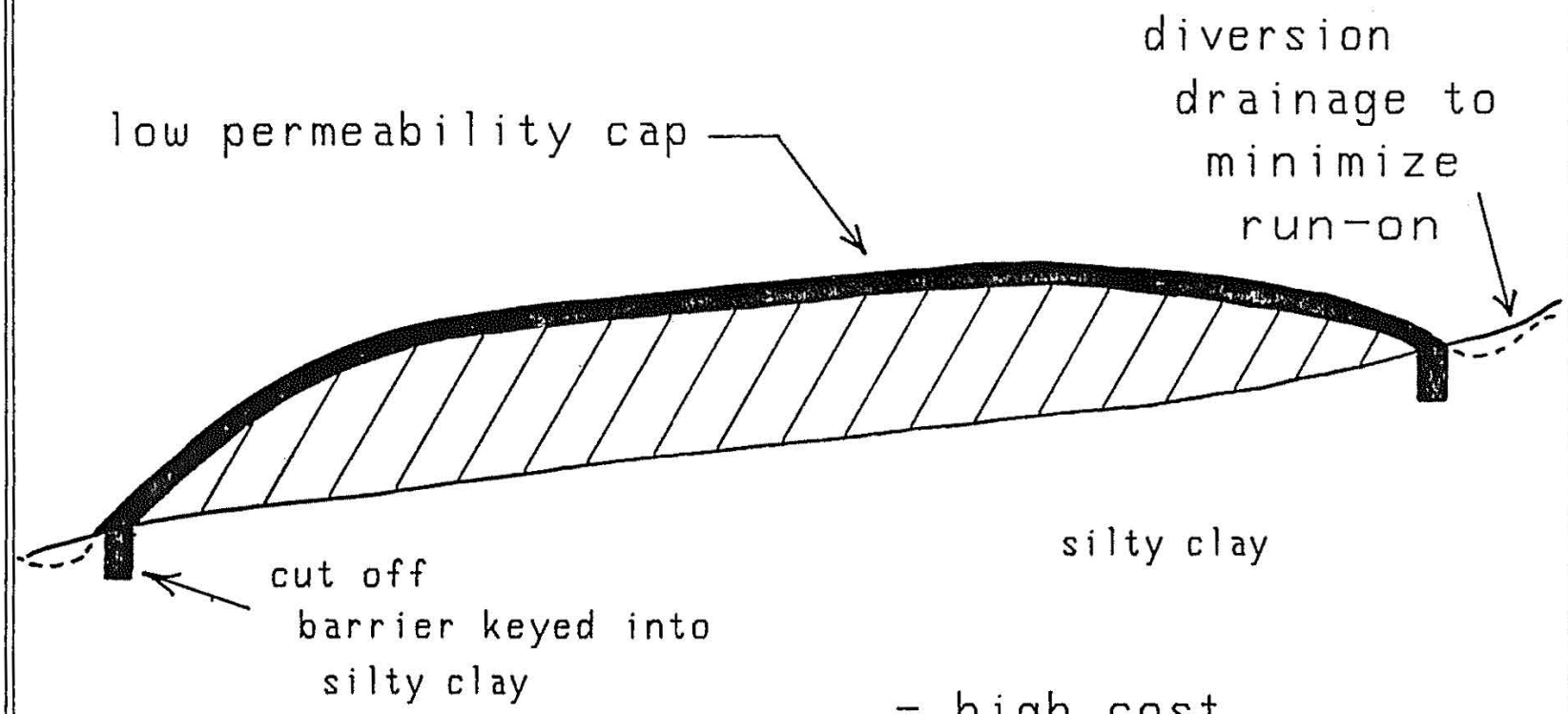


+ potential site use
+ no monitoring
- high cost
- acute release potential

- may not last
- continued recharge
- difficult to control
- worker exposure

117812

ENCAPSULATE WASTE IN-PLACE



+ eliminates recharge
+ no mercury runoff
- some maintenance

- high cost
- limited site use
+ simple construction
- some monitoring

117813

ENCAPSULATION SELECTED AS BEST ALTERNATIVE BECAUSE . . . .

* TECHNICALLY EFFECTIVE
* SIMPLE CONSTRUCTION USING LOCAL MATERIALS & LABOR
* ALLOWS FUTURE SITE USE
* MINIMUM IMPLEMENTATION PROBLEMS
* MOST COST EFFECTIVE

117814

GE_CARIBE001582

SEQUENCE OF CLOSURE ACTIVITIES FOR ENCAPSULATION

1. surface water diversion around site and control of perched water
2. place scattered debris and soil in waste fill closure area
3. surface grading of closure area
4. key perimeter cut-off into silty clay
5. placement of low permeability cap to cover waste & tie to cut-off
6. placement of cap protection (such as grass, gravel or pavement)

117815

GE_CARIBE001583

SUMMARY

* No Ground-Water Contamination
* Two Unsaturated Barriers Under Site
* More Than 40 Feet to Water Table
* Extremely Low Potential for Ground-Water Degradation
* Favorable Climate; Evaporation Exceeds Precipitation
* Only Significant Transport for Mercury is Erosion
* Encapsulation is Effective Protection
  - Stops Surface Runoff & Erosion
  - Stops Recharge

117816

RCRA FACILITY ASSESSMENT REPORT
CARIBE GE PRODUCTS, INC.
JUANA DIAZ, PUERTO RICO
EPA ID. NO. PRD090282757

I. Introduction

A RCRA Facility Assessment (RFA) embraces the identification of past, present or potential releases of hazardous wastes or hazardous constituents into the environment from any unit or activity that involves management of solid wastes as defined in 40 CFR 261.2 in a permitted or under interim status facility. The Assessment shall address releases of hazardous wastes or constituents to all environmental media including soil, groundwater, surface water, air, and the generation of subsurface gas. Any release that has migrated beyond the facility boundaries shall also be considered. The ulterior purpose of an RFA will be the implementation of corrective actions where necessary as mandated by the 1984 Hazardous and Solid Waste Amendments (HSWA) made to the Resource Conservation and Recovery Act (RCRA).

The present project is intended to identify the Solid Waste Management Units (SWMUs) and Areas of Concern (AOC) that could have potential or a history of hazardous wastes releases at the Caribe GE Products, Inc. of Juana Díaz, Puerto Rico PRD090282757. This facility is located at State Road 149, Km. 67, Juana Díaz at the South-Central part of the Island (Latitude 18°05'03"N, Longitude 66°30'03"W). Its postal address is:

Caribe General Electric Products, Inc.
P.O. Box 1430
Juana Díaz, Puerto Rico 00665

and the local contact person for environmental affairs is:

Mr. Stephen Brown
Environmental Coordinator
(809) 837-2500

GE_CARIBE001585

A Solid Waste Management Unit is defined as "any discernible unit at which solid or hazardous wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. It would include any area at which hazardous waste or hazardous constituents have been routinely and systematically released; but, it would not include accidental spills from production areas and units in which wastes have not been managed"[1]. In the other hand, an Area of Concern is defined as "any area at which hazardous waste or hazardous constituents have been released but such release is not routinely and systematically done. An AOC also include any area for which there is a suspicion that a release occurred"[1].

Identification of SWMU's and AOC's at the Caribe GE Products, Inc. has been performed through a preliminary review of EQB's file and four visual site inspections.

The preliminary review included the following files: Facility SWMU Response Letter; RCRA Permits and Engineering Section; Inspection, Monitoring and Surveillance Section; Manifest Records; Permit for Emission (Air Quality File). However, file from EQB's Legal Division was not available.

First visual site inspection (Preliminary Visit) was performed on August 12, 1988 during which the Facility Response Letter was personally, delivered to Mr. José Márquez, Environmental Coordinator at that time and the Mercury Landfill (Superfund Site) was visually inspected. A second site-visit was performed on December 20, 1988 in order to complete facility's information regarding its history, operations, SWMU's and to review facility's file. A third visual-site inspection was performed on December 21, 1988 to visually inspect the GE's manufacturing process the SWMU's and AOC's at the facility; also to take photos of the units. Finally on February 8, 1989 a reinspection of the facility was performed.

After evaluation of all the gathered information, conclusions will be presented addressing the release potential of each SWMU's and AOC's with respect to all the environmental media and further actions will be recommended.

GE_CARIBE001586

II. Facility and Process Description

A. History

Caribe GE, Juana Díaz started operations on August 30, 1957 in a property of the Puerto Rico Industrial Development Company (PRIDCO) utilized at the time for growing of sugar cane. GE acquired the property on 1987.

Since 1957 the company has been manufacturing electric wiring devices including switches, receptacles, starters and relays. Manufacture of switches utilizing mercury (Hg) was discontinue on 1970 when this particular operation was transfered to the GE Ponce plant. Electroplating of the manufactured electric wiring devices started on 1971 at Juana Díaz.

On the EQB's Industrial Hazardous and Toxic Waste Study dated March 20, 1974, the company reported the using of urea, steel, aluminum and brass as raw materials and the chemical detoxification process at the treatment plant. Refer to Attachment 1 for copy of the study.

The company notified its hazardous waste activity on August 5, 1980. Its activity was classified as being a generator and a facility that treated, stored and disposed of hazardous wastes. Hazardous wastes reported as being generated were F006, F007, F008 and F009 wastes. Refer to Attachment 2 for copy of the original Notification of Hazardous Waste Activity.

The company submitted their Part A permit application on November 14, 1980. The company reported the following hazardous wastes, estimated quantities and processes:

Hazardous Waste	Estimated Annual Quantity of Waste (Unit)	Process Code
F006	45.36 T	SO2,TO1
F007	1870.00 P	SO1
F008	525.00 P	SO1
F009	916.00 P	SO1
D000	2.07 T	SO1 (Spent oils)

Refer to Attachment 3 for a copy of the Original Part A Permit Application.

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On September 1st, 1987 the company submitted a revised Notification of Hazardous Waste Activity in order to clarify that the only wastes they generate are F006 and D007 (Chromate Bath Spent Solution). The F007, F008 and F009 wastes reported in the original Notification were entered in the Notification as a Protective Filer since they have never generated and will not generated these cyanides wastes. Refer to Attachment 4 for a copy of the Revised Notification of Hazardous Waste Activity. On October 6, 1987 the company submitted a revised Part A Permit Application reporting the following hazardous waste, estimated annual quantity of waste and processes code: F006, 12.0T, S01, D007, 1.0T, S01. Refer to Attachment 5 for a copy of the Revised Part A Permit Application.

From 1957 to 1970 the company's west field was used as a receptor for processed defective mercury buttons. The waste fill contains plastic fragments, defective switch parts, broken glass, mercury switch buttons, brass stampings and rubber. It is included in the National Pollutant Priority List and has been classified as a Superfund site since 1982. urea

Wastewaters from the electroplating process are treated in the company's Wastewater Treatment Plant since 1971. Generated sludge (F006 waste) was transported and disposed of by Servicios Carbareón, Peñuelas which requested a permit to disposed GE's sludge on April 3, 1979. However, since 1980, F006 wastes are stored on Container Storage Area No. 1. On April 21, 1987 the company was requested by the US EPA to submit either a RCRA Part B Permit Application or a Closure Plan for the Container Storage Area No. 1. The company submitted a Closure Plan on May 17, 1988 with revisions made on July 26, 1988 and August 10, 1988. On February 7, 1989 the Completeness Determination step was completed. Public Notice was issued on March 11, 1989.

Caribe GE, Juana Díaz obtained a Permit for Emissions for four stacks five or six years ago being the last renewal made on July 29, 1987 which expire on July 29, 1989 (PFE-39-0786-0518I-0). Refer to Attachment 6 for a copy of the PFE permit.

B. Present Facility Operations

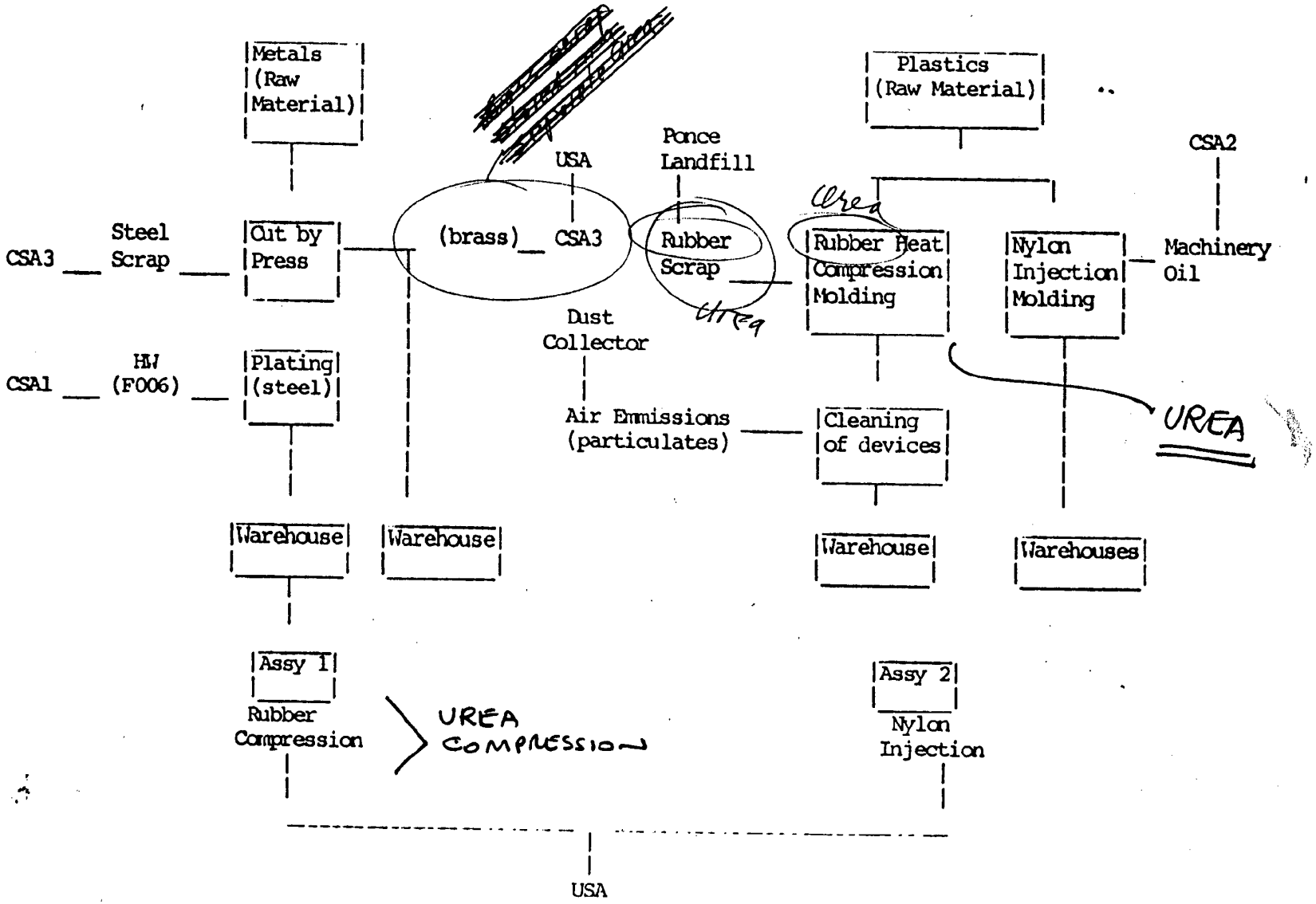
At present Caribe GE of Juana Díaz is engaged in the manufacturing of the following:

1) Fluorescent bulb starters NO
2) Multiple Plug Tabs
3) Electrical Plugs
4) Electrical Outlets
5) Pull Chain Fixture Socket
6) Brass Stamping Operations (electroplating)

GE_CARIBE001588

Raw materials utilize for the manufacturing pr[illegible]ses include: Polymers, plastic, brass, alumin[illegible] and s[illegible]el. (Refer to Attachment 22 for a list of Raw Materials utilized in the developing process.

A scheme describing present facility operations follows:



GE_CARIBE001589

C. Identification of All Waste Streams

At present, the following solid and hazardous wastes are generated by the company:

a) F006, Wastewater Treatment sludge from electroplating operations.
b) D007, Chromate Bath Spent Solution
c) Non-regulated non-hazardous used oil
d) Non-regulated scrap metals UREA SCRAP
e) Rubber scrap from rubber heat compression molding
f) D001, Waste Petroleum Naphtha Combustible liquid, UN1255

Seven (7) solid waste management units (SWMU's) have been identified. These are:

a) SWMU1 - Mercury-contaminated Landfill
b) SWMU2 - Container Storage Area No. 1 (CSA1) for F006 wastes
c) SWMU3 - Container Storage Area No. 2 (CSA2) for Spent Oil
d) SWMU4 - Container Storage Area No. 3 (CSA3) for Metal Scrap
e) SWMU5 - Wastewater Treatment Unit No. 1 (WWT-1) for Chromate Reduction
f) SWMU6 - Wastewater Treatment Unit No. 2 (WWT-2) for Neutralization/Chemical Precipitation
g) SWMU7 - Wastewater Treatment Unit No. 3 (WWT-3) for Sludge Sedimentation (Sludge Settling Tank)

Refer to Attachment 7, facility site plan, for location of all the SWMU's.

Table 1 describes waste flow for all identified wastes stream from the point of generation through ultimate disposition.

Active then

* ~~Discontinued use as of~~ Dec 31, 1988.

GE_CARIBE001590

TABLE 1 : WASTE FLOW DESCRIPTION CHART

WASTE	GENERATION	TREATMENT	STORAGE	DISPOSAL
F006, Wastewater Treatment Sludge from Electroplating Operations	SWMU7, Sludge settling tank (WWT-3)	N/A	Stored in 55-gallon drums at CSA1 (SWMU2); or sludge is directly transfered from WWT-3 to a 5,000 gallon tank truck to haul away the waste same day. (As a new Wastewater Treatment Plant start operations on 1989, the sludge will be filter pressed and stored in Marino bags at CSA1).	Emelle, Alabama; Livingston, Louisiana; or Pottsville, Pennsylvania
D007, Chromate Bath Spent Solution	Electroplating Process, specifically from the yellow chromate bath where zinc electroplated pieces go.	N/A	Stored in 55-gallon drums at CSA1.	Emelle, Alabama
Non-regulated non-hazardous used oil*	From Nylon Injection Molding machinery since the end of 1985. Also small quantities from Tool Romm.	N/A	Stored in 55-gallon drums at CSA2 (SWMU3)	Disposed by Safety Kleen Envirosystems (PRD090399718)

GE_CARIBE001591

TABLE 1 (CONT.)

WASTE	GENERATION	TREATMENT	STORAGE	DISPOSAL
Non-regulated scrap metals	When cutting metals (raw materials) in a press (before electroplating), two kind of scrap metals are generated, namely brass scrap and cold rolled steel.	N/A	Brass scrap is stored in CSA3, Area 1 and steel scrap is stored in CSA3, Area 2. Both are stored in drums.	Steel scrap is sold to siderurgical industries in P.R. Brass scrap is sold to mills in USA.
Rubber-scrap UREA SCRAP	From Rubber heat compression molding	N/A	Garbage	BFI disposed the rubber scrap in the Ponce Landfill
D001, Waste Petroleum Naphta Combustible liquid, UN1255	From cleaning of Die in Tool Room.	N/A	N/A	Disposed of by Safety Kleen as soon as it is converted in spent solvent, aprox. every 6 weeks.

* NOTE: Spent oil was disposed as a D001 hazardous waste till 1987 since analyses performed showed oil was not hazardous. Refer to Attachment 24 for Analysis Test Results Report).

Refer to Attachment 8, list of Hazardous Waste Manifest for quantities of hazardous wastes that have been manifested until present.

GE_CARIBE001592

D. Regulatory History

On letter dated June 1, 1987 (refer to Attachment 9 for copy of the letter) and after receipt of the RCRA Part B Permit Application submission request for April 21, 1987, Caribe GE, Juana Díaz requested a change in status to become only a Hazardous Waste Generator facility. Since the only RCRA unit the company has is the Container Storage Area No. 1 (CSA1), for F006 waste storage, GE also submitted a Closure Plan for the RCRA unit on May 17, 1988 with revisions made on July 26, 1988 and August 10, 1988. On September 15, 1988, it was determined that the last revision of the Closure Plan was in compliance, however on December 7, 1988 the company submitted an ammendment to Table 2 and Table 3 of the Closure Plan in order to include Total cyanide. Another Completeness Determination dated February 7, 1989 was prepared. The Public Notice was issued on March 11, 1989.

An Administrative Order on Consent (Draft Index no. II-CERCLA-30301) regarding the Mercury - contaminated Landfill (Superfund site) was prepared on 1983 by US EPA. It was issued in order to request to the Caribe GE, Juana Díaz that remedial action be taken, preceded by a remedial investigation and study of alternative remedial actions (feasibility study). Since the order is confidential, it will not be included as an attachment. Public Hearings were carried out on October 1988 and the Record of Decision informing the chosen remedial action, was presented on November, 1988.

On a Full RCRA Inspection made in September 4, 1984, 4 violations were encountered at that time. Refer to Attachment 10, for a copy of the memo detailing the violations. An administrative order (DL-87004-009) was issued and a fine was paid by the company. (Copy of the order was not available).

Table 2 presents a summary of the most relevant historical events of the company.

GE_CARIBE001593

TABLE 2: SUMMARY OF IMPORTANT EVENTS IN THE HISTORY OF CARIBE GENERAL ELECTRIC PRODUCTS, INC. JUANA DIAZ, PUERTO RICO

DATE	EVENTS	COMMENTS
August 30, 1957	Operations started	Owners PRIDCO till 1987
Year of 1971	Electroplating of manufactured devices started	
August 5, 1980	Notification of HW Activity	Reported F006, F007, F008, F009 wastes
November 14, 1980	Part A Permit Application	
Year of 1983	Administrative Order on Consent (Index No. II-CERCLA-30301)	Prepared by EPA regarding Mercury-contaminated Landfill.
September 4, 1984	Full RCRA Inspection	4 violations encountered
April 21, 1987	Part B permit application submission request	
July 29, 1987	PFE-39-0786-0518-I-0 Issued	Expires on July 29, 1989
September 1, 1987	Revised Notification of HW Activity	
October 6, 1987	Revised Part A Permit Application	
May 17, 1988	Closure Plan submitted for CSA1	Revisions made on July 26, 1988 and August 10, 1988
November, 1988	Record of Decision presented	Remedial action for Mercury Landfill was chosen
December, 1988	Completeness Determination of Closure Plan	Includes ammendment to Table 2 and Table 3 of CP to include Total Cyanide

GE_CARIBE001594

E. Maps

Different maps are included as attachments, as follows:

1) Geologic Map of the Ponce Quadrangle, Attachment 11
2) Map showing location of SWMU's, Attachment 13
3) Generalized Superfund Site Setting Map, Attachment 14
4) Site and Land Use Map, Attachment 17
5) Topographic Map, Attachment 26

GE_CARIBE001595

III. ENVIRONMENTAL SETTING

A. Surrounding Land Use

Caribe GE of Juana Díaz is located in an area zoned as urban by the Puerto Rico Planning Board. The facility is located outside the 100-year flood zone.

Caribe GE is surrounded to the north by a parking lot and an electrical sub-station; to the south by a GE land property follows by a residential area (Urbanización Jacaguax); to the west by a PRIDCO property (last occupied by a shoe factory); and to the east by Carrión Maduro Street, Road 149. Refer to Attachment 17 for a Site and Land Use Map..

Population within 5 miles is 10,000 inhabitants.

B. Meteorology

As per reference 3, Hydrogeologic Investigation:

"The climate in the study area is semiarid. The east-west trending mountain chain north of Juana Díaz causes the release of a majority of rain (orographic precipitation) on the northern slope. The southern slope when the site is located receives an average annual rainfall of approximately 30 to 40 inches. The season of heaviest rainfall is during the months of August, September and October. April and May are the first wet periods, while January, February and March constitute the dry season. The temperature varies approximately 5°F between January and July. The mean annual temperature for the Juana Díaz area is approximately 80°F".

C. Surface Hydrology

According to the geologic map (refer to attachment 11), the nearest major surface water bodies are Río Jacaguas and the Juana Díaz Canal. Río Jacaguas is .9 km away from GE Juana Díaz to the East and .7 km to the north. The Juana Díaz Canal is .55 km away from the facility to the west. Both water bodies flow to the north. SOUTH

The use of these water bodies is unknown.

GE_CARIBE001596

D. Geology and Soils

Refer to Attachment 12 for description of the regional geology as per description included in reference 3.

The topography of the area is very light, that is, of low relief. The slope from the topographic map (Attachment 26) dips gently to the north.

According to the Geological map (Attachment 11), the facility is located in Alluvial Terraces. This deposit is described as follows: "Alluvial Terrace (Pleistocene - Quaternary Age) - crudely and irregularly bedded, fresh to moderately weathered, gravel, sand, silt, and some clay.

E. Hydrogeology

As per reference 3 and attachment 12: "The Tertiary and Cretaceous volcanics rocks yield small to moderate amounts of ground water". "The Juana Díaz formation has limited importance to the ground water as a result of low permeabilities. The associated ground water is generally saline as a result of connate waters or ocean water entrapped in the interstices at the time the sediment was deposited". "The groundwater associated with the Ponce Limestone is generally of poor quality".

"A well drilled by the Puerto Rican Aqueduct and Sewer Authority in 1959 indicated that the water level was about 35 feet below the ground surface at the Holocene alluvium. The alluvium is the major source of ground water in the area".

Two permeabilities tests that were run on the south of the Hg Landfill area. Refer to Attachment 20 for the study on permeability, cation exchange capacity, mineralogy and grain size. Tests were run for the clayey silt and silty clay layers, and the results were 6.0 E-4 and 8.0 E-5 cm/sec, respectively. According to the study, lower permeabilities might exist in these materials at greater depths below the zone of root activity or dessication.

GE_CARIBE001597

IV. SUMMARY OF VISUAL SITE INSPECTIONS

Two visits were conducted at the Caribe GE, Juana Díaz during the RFA procedures.

In order to visually inspect the Superfund site (Mercury Landfill), a Preliminary visit was first conducted on August 12, 1988 during which the following personnel met with Mr. José Márquez, Environmental Coordinator: Carlos O'Neill, EPA Caribbean Office, Jackie Moya and Laura Brown, EPA Washington, Aida T. Fuentes, EQB. A letter requesting facility information was handed to Mr. José Márquez. Refer to Attachment 13 for a copy of the letter and the questionnaire.

A meeting was conducted on December 20, 1988 between Mr. José Márquez and Aida T. Fuentes in order to complete information about the facility regarding its history, operations, solid waste management units and to review facility's files. Files reviewed included the following: Hazardous Waste Storage Log and Hazardous Waste Inspection Record.

On site-visit inspection was performed on December 21, 1988 during which photos from the SWMU's and AOC were taken. Ms. Yamira L. Rivera, Mr. Néstor M. Rivera and Ms. Aida T. Fuentes from EQB met with Mr. José Márquez, Mrs. Milagros Ruiz and Mr. Stephen Brown from GE in order to inspect the manufacturing process, the SWMU's and AOC. Refer to Attachment 7 for copy of the field notes. A re-inspection of the units was performed on February 8, 1989.

Following is a summary of observations made during the visual site inspection of the facility:

a) Electroplating Area AOC 2

Green solid buildups were observed on the concrete floor at the back side of the nickel solution tank and at the tank outlet. Leaks on lines from the Zinc, Tin, Acid Salts and Rinse tanks were observed. Some leaks drains into a canal which goes to the neutralization tank, bases of all the tanks are corroded; a mobile tank was observed near the electroplating area labeled as tin sludge and containing a greenish-brown sludge; also a drum containing tin-strip was observed in the area.

b) Old Waste Water Treatment Plant SWMU 7

Sedimentation tank can not be visually inspected; the plant will be in use till December 23, 1988.

GE_CARIBE001598

c) Shipping Dock

WHITE

Raw materials were being received; a ~~while~~ dust was observed on the floor.

d) Mercury Landfill SWMU 1

Facility run-off is collected through a pipe and diverted through the side of the landfill toward the empty land near the company; landfill side towards the shoe factory has no containment control for releases from the landfill.

e) Container Storage Area No. 1 (CSA1) SWMU 2

Ten (10) drums of 55 gallons containing sludge F006 were observed.

f) Container Storage Area No. 2 (CSA2) SWMU 3

Two levels for storage of drums containing spent oil; absorbent material with oil stains was observed within the CSA dike.

g) New Waste Water Treatment Plant ~~SWMU 4~~

It was installed and ready for use by January 9, 1989. The plant consist of a chromate treatment tank, neutralization tank, floculation unit, sludge holding tank and a filter press.

h) Container Storage Area No. 3 (CSA3) SWMU 4

It is divided into two different areas; the area designated for storage of metal scrap was full of raw materials such as Sodium Hydroxide, Sodim Metabisulfite, zinc chloride, copper, boric acid, ~~cadmium~~ Calcium chloride.

i) Raw Material Storage Area

Small area behind the new Waste Water Treatment Plant for storage of acids.

TEMPORARY USE ONLY
NEW AREA BUILT IN 1ST QTR - 1989 for chemicals

GE_CARIBE001599

V. SOLID WASTE MANAGEMENTS UNITS

A. SWMU1

SWMU1 consists of a land disposal unit which is waste fill contaminated with mercury. It is located to the west side of the facility. Refer to Attachment 14 for location of the site in the Generalized Site Setting Map.

The waste fill limits are approximately 110 by 460 feet in an area immediately west of the plant. The area of the primary waste fill occupies approximately 30,000 square feet and is estimated to have a volume of about 108,000 cubic feet (4,000 cubic yards). The area south of the waste fill was apparently cultivated for sugar cane in the past and is now an open field. Several occupied houses of Juana Díaz are located about 400 feet south of the waste fill. A fence line roughly forms the parallels this line on the west and drains from north to south. The waste fill formally received storm water runoff directly from the plant area. This run off was diverted by construction of a drain pipe in 1982.

The landfill was used between 1957 and 1969 as a receptor for processed defective mercury buttons. Refer to Attachment 15 for a chronological history of the site. The landfill is included in the National Pollution Priority List and has been under the Superfund since 1981. The unit is currently inactive.

Photos 12 through 14 presents differents aspects of the landfill.

Attachment 16 describes the geology and the hydrogeology of the site.

A Hydrometallurgical Treatment has been recommended as an alternative for remedial action at the site. The recommended alternative consists of dissolve the Mercury in as leaching agent namely, cyanide, hypochlorite or nitric acid and recoverying the Mercury afterwards by means of various metallurgical techniques such as filtration and cementation/ precipitation.

The remedial alternative will be tested in pilot scale studies prior to its full implementation.

Table 3 summarizes the most important information pertinent to SWMU1.

GE_CARIBE001600

TABLE 3: Solid Waste Management Unit No. 1 (SWMU1)

	SWMU
Unit Name	Mercury - Contaminated Landfill
Location	Immdiately west of the plant. See Attachment 14 for location.
Unit Description	110 by 460 feet area; volume of 108,000 cubic feet. See photos 12-14.
Release Control	Storm-water runoff received by the lanfill was diverted by construction of a drain pipe in 1982. There is no containment system for control of releases.
Date Operations Started	1957 - 1969
Current Status	Inactive
Wastes Managed	Processed Defective Mercury buttons
Environmental Setting	Refer to Attachment 16
Release History	Included in the National Pollutant Priority List and has been under the Superfund since 1981.

GE_CARIBE001601

B. SWMU2

SWMU2 has been identified as the Container Storage Area No. 1 (CSA1). It is located outside Building No. 2 at the south-west end of the property. Refer to maps on Attachments 13, and 17 for location of SWMU2.

The east, south and west sides of the unit are constructed of concrete blocks to a height of 36 inches and 5 ft. chainlink fence for a total height of 8 feet. There are 4 gates on the north side of the unit. The unit measures 12 ft. x 40 ft. for a total area of 480 sq. ft. It has concrete sidewalks on all four sides. The floor is constructed of 4 inches thick concrete with three (3) run-off trenches connected to three (3) sumps by 4 in. PVC pipes. The concrete floor and the run-off trenches are a monolithic pour. Run-on or run-off is controlled by concrete walls, run-off trenches and corrugated metal roof. The roof prevents rainfall from falling directly on the unit. Run-on is prevented from entering or leaving the unit by block walls on the east, south and west sides. The sump measures 3 ft. x 3 ft. x 3 ft. for a total volume of 27 cu-ft. They are constructed of 4 inches thick concrete walls and floor.

Refer to Attachment 18 for details of the CSA1 and the sumps. Photos 15 through 18 present different aspects of the unit and its containment system.

The unit has been active since 1980 and will be closed shortly since a Closure Plan was submitted and awaits for public comments. The CSA1 has an estimated maximum capacity of storage of 125, 55 gallon drums. Hazardous wastes stored in the facility include F006 sludge and D007, spent chromate solution from electroplating processes. Copy of Analysis report for the sludge and spent chromate is included in Attachment 19. Estimated annual quantity for both wastes are 12.0T for the sludge and 1.0T for the spent chromate solution.

Since the unit secondary containment for the control of releases seems to be adequate, the probability that any hazardous waste releases from the unit reach the soils and groundwater is considered to be low. Probability of air emmissions from drums is also considered to be low since drums are properly sealed.

Table No. 4 summarizes most important information pertinent to the unit.

GE_CARIBE001602

TABLE 4: Solid Waste Management Unit No. 2 (SWMU2)

	SWMU
Unit Name	Container Storage Area No. 1 (CSA1)
Location	Outside Building No. 2, at the southwest end of the property. See maps on Attachments 13 and 17.
Unit Description	12 ft x 40 ft; 4 in thick concrete floor; 8 feet height; 4 gates on the north side; roof.
Release Control	3 run-off trenches connected to 3 sumps by 4 in. PVC pipes. Sump volume = 27 ft^3; maximum capacity = 125 drums (55 gal.).
Date Operations Started	1980
Current Status	Active, but Closure Plan has been submitted.
Waste Managed	F006 sludge, D007 wastes
Environmental Setting	Low probability of releases to soil, groundwater and air.
Release History	No evidence of release.

WILL BE USED AS GENERATOR HW STORAGE AFTER CLOSURE - F006

GE_CARIBE001603

C. SWMU3

SWMU3 has been identified as the Container Storage Area No. 2 (CSA2). It is located to the south part of the facility. Refer to the map on Attachment 13 for location of SWMU2.

SWMU3 consists of an area of 180 square feet with 3 sides aluminum wall. It is protected from weather by a roof. Photo No. 19 presents a front view of the Container Storage Area.

The unit has a dike of 5 x 25 ft for control of releases. The containment system has a capacity for holding of 500 gallons. It has a concrete floor.

The unit is utilized for storage of non-regulated non-hazardous used oil since 1986. The spent oil is mostly generated from the injection molding machinery. Small quantities of spent oil are generated in the tool room. An estimated annual quantity of 1,980 gallons of spent oil is managed in the unit.

Any accidental spill within the area is managed using absorbent material within the containment system. During the site visit inspection, absorbent material with oil stains was observed within the CSA dike. Since the unit's containment system and management of releases seems to be adequate, potential for soil and groundwater contamination is considered to be low.

Table 5 summarizes all the most important information related to the SWMU3.

TABLE 5: Solid Waste Management Unit No. 3 (SWMU3)

SWMU	
Unit Name	Container Storage Area No. 2
Location	South part; see Attachment 13
Unit Description	180 sq. ft. area; 3-sides alumminum wall; roof. See photo 19.
Release Control	5 x 25 ft. dike; 500 gal holding capacity.

GE_CARIBE001604

Date Operations Started	1986
Current Status	Active
Wastes Managed	Non regulated non-hazardous used oil.
Environmental Setting	Low Potential for soil/groundwater contamination.
Release History	Absorbent material with oil stains within the dike were observed during the site visit.

GE_CARIBE001605

D. SWMU 4

SWMU4 has been identified as the Container Storage Area No. 3 (CSA3). It consists of two outdoors areas, Area No. 1 is located between buildings No. 1 and No. 2 near the shipping dock and Area No. 2 is located at the south part of the property. Refer to map on Attachment 13 for location.

Area 1, protected by roof has concrete floor and is used to store brass scrap. It is fenced around its perimeter. Area 2 is used to store Cold Rolled Steel. It is an area of 636 sq.-ft. with a 100 drums capacity. Drums in this area are covered with a plastic bag to avoid getting water inside when it rains. Photo 20 present a front view of the CSA3, Area 2. update. 40 yds. container used instead of drums starting 1st Qtr. 1989.

The unit start on 1981 and it is still active. An estimated annual quantity of 360 tons of metal scrap is managed at the unit.

The unit has no containment system because nature of waste managed at the unit does not worth it. However, during inspection performed on December 21, 1988 and on February 8, 1989, Area 2 was being utilized for storage of raw materials such as Sodium Hydroxide, Sodium Metabisulfide, Zinc Chloride, Copper, Boric and, Calcium Chloride, among others. Temporary use only. chemical storage area built 1st Qtr 1989

Since the unit has no containment system, any accidental spill of any raw material could reach the soil around the unit. However due to the low permeabilities attributable to the site soils, potential that releases could reach the groundwater is considered to be low.

Table 6 summarizes most important information related to the SWMU4.

TABLE 6: Solid Waste Management Unit No. 4 (SWMU4)

	SWMU
Unit Name	Container Storage Area No. 3
Location	Area 1 - between buildings No. 1 and No. 2, near shipping dock. Area 2 - south part. See Attachment 13.
Unit Description	Area 1 - roof, concrete floor, fence around its perimeter Area 2 - 636 sq. ft.

GE_CARIBE001606

Release Control	No Containment System.
Date Operations Started	1981
Current Status	Active
Wastes Managed	Brass Scrap and Cold Rolled Steel swap.
Environmental Setting	Potential for soil contamination. Low potential for groundwater contamination.
Release History	Release potential exists due to the fact that raw materials has being stored at CSA3, Area 2.

GE_CARIBE001607

E. SWMU5

SWMU5 has been identified as the Wastewater Treatment unit no. 1 (WWT-1). It is located next to Building No. 2 to the south part of the facility. Refer to map on Attachment No. 13 for location.

The unit consists of an open aboveground tank made of fiberglass material. It has a volume of 125 gallons. It has been in operations since 1971 and was in used till December, 1988. Water and sludge remaining in the tank will be transferred to the New Wastewater Treatment Plant by a pump.

WWTT1 is part of the facility's wastewater treatment plant and it is utilized for chromates oxidation - reduction process. Hexavalent chrome from the electroplating process is chemically reduced to tri-valent chrome in WWTT1 by addition of a mixture of sodium metabisulfite and sulphuric acid to control pH in the tank. An annual quantity of 230,000 gals. is estimated to be managed in WWTT1.

The tank unit is placed within a containment system in a manner resembling a basement. Refer to photo 6 and 7 to get a perspective of the Wastewater Treatment Plant.

Since the containment system as well as the tank are old structures, there is a potential of chromates releases into the soil. Releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site.

Table 7 summarizes most important information of SWMU5.

TABLE 7: Solid Waste Management Unit No. 5 (SWMU5)

	SWMU
Unit Name	Wastewater Treatment Tank No. 1 (WWTT1)
Location	Next to Building No. 2; to the south. See Attachment 13.
Unit Description	Aboveground tank; fiberglass; 125 gal. volume capacity.
Release Control	Containment system resembling a basement. See photos 6 and 7.

GE_CARIBE001608

Date Operations Started	1971
Current Status	Active till December 1971
Waste Managed	Hexavalent chrome from electroplating process.
Environmental Setting	Potential release to soil and groundwater (low).
Release History	No evidence reported.

GE_CARIBE001609

F. SWMU6

SWMU6 is identified as the Waste Water Treatment Tank No. 2 (WWTT2). It is located next to Building No. 2 to the South part of the facility. Refer to map on Attachment No. 13 for location.

The unit consists of an open aboveground tank with a volume capacity of 500 gallons. It has been in operations since 1971 and was in used till December, 1988. Water and sludge remaining in the tank will be transferred to the New Wastewater Treatment Plant by a pump.

WWTT2 is part of the facility's Wastewater Treatment Plant and it is utilized for neutralization of the electroplating wastewaters and chromate reduction wastewaters. The reduced chromium wastes consisting of trivalent chromium at pH 2.0 flow to the neutralization tank for combined treatment with non-chromates wastes which consists of concentrated acid and/or alkali wastes from the periodic dumping of spent baths along with dilute wastes from rinses following all non-chromate solutions. A pH of 8.5 is maintained in the neutralization tank by addition of caustic soda. An annual quantity of 1,382,000 gallons is estimated to be managed in WWTT2.

The tank unit is placed within a containment system in a manner resembling a basement. Refer to photos 6 and 7 to get a perspective of the Wastewater Treatment Plant.

Since the containment system as well as the tank are old structures, there is a potential of wastewaters releases into the soil. Releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site.

Table 8 summarizes most important information of SWMU6.

GE_CARIBE001610

TABLE 8: Solid Waste Management Unit No. 6 (SWMU6)

	SWMU
Unit Name	Wastewater Treatment Tank No. 2 (WWTT2)
Location	Next to Building No. 2; to the south. See Attachment 13.
Unit Description	Open-aboveground tank; 500 gallons volume capacity.
Release Control	Containment system resembling a basement. See photos 6 and 7.
Date Operations Started	1971
Current Status	Active till December 1988
Waste Managed	Reduced chrome wastes and non-chromate wastes.
Environmental Setting	Potential releases to soils and groundwater (low).
Release History	No evidence reported.

GE_CARIBE001611

G. SWMU7

SWMU7 has been identified as the Wastewater Treatment Tank No. 3 (WWT-3). It is located next to Building No. 2 to the South part of the facility. Refer to map on Attachment No. 13 for location.

The unit consists of a large underground settling tank. The tank is made of reinforced concrete and have a volume capacity of 6,000 gallons. Refer to Attachment 21 for detailed drawings of the tank. Photo No. 8 shows the aperture of the tank. It has been in operations since 1971 and was in used till December, 1988. Sludge remaining in the tank is being transferred to the New Wastewater Treatment Plant by a pump.

WWTT3 is part of the facility's wastewater treatment plant and it is utilized for removal of all the undesirable solids prior to a gradual metering of the neutral wastewater into the sewer system. Wastewaters from Treatment plant are analyze twice a year and results are informed to PRASA. Refer to Attachment 3 for a copy of last report. F006 sludge is generated during the sedimentation of the solids. Refer to Attachment 19 for a copy of an analysis report of the sludge.

The unit has no release control.

Since the tank walls are old structures, there is a potential of F006 waste and wastewaters releases into the soil. Releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site.

Table 9 summarizes the most important information of SWMU7.

GE_CARIBE001612

TABLE 9: Solid Waste Management Unit No. 7 (SWMU7)

	SWMU
Unit Name	Wastewater Treatment Tank No. 3 (WWTT3)
Location	Next to Building No. 2; South part; See Attachment 13.
Unit Description	Large underground settling tank; reinforced concrete walls; 6,000 gallons volume capacity. See Attachment 21 and photo no. 8.
Release Control	None
Date Operations Started	1971
Current Status	Active till December 1988
Waste Managed	Neutral Wastewater; F006 sludge.
Environmental Setting	Release potential to soils and groundwaters (low).
Release History	Tank cannot visually inspected.

GE_CARIBE001613

Stripping of Brass Tn. Discontinued

VI. Areas of Concern

A. AOC1

Area of Concern No. 1 consists of a Satellite area utilized for destripping of brass pieces. The satellite area is located in the electroplating area.

The operation is performed in a small metal tank every 6 months or every year as necessary. Refer to photo No. 1 for picture of the tank.

A tin sludge is generated at the tank. By the time of the inspection (December 21, 1988), a tank and a drum were found half full of tin sludge. Accumulation date could not be determined. However, on a re-inspection performed on February 8, 1989 tin sludge from both containers were mixed and stored at the CSA1 while characterization of the waste was completed.

Since this operation is not routinely performed, there was a concern about the maldisposition of the tin sludge.

B. AOC2

Area of concern No. 2 consists of the Electroplating area. The area is located next to building No. 2 to the south part of the facility.

The electroplating of pieces is carried in different tanks depending upon the kind of plating finish desired for the pieces. Refer to Attachment 25 for a scheme of the electroplating area.

During visual site inspection performed on December 21, 1988 and February 8, 1989 bases of tanks were observed to be corroded and lines from most of the tanks were leaking. Nickel buildup were observed in the outlet of the Nickel tank and over the concrete floor. Refer to photos 2,3, 5 and 10 for evidence of field observations.

Although some of the leaks are canalized through channels into the Old Wastewater Treatment Plant, there is a potential of soil contamination from leakings and metal build up.

Steel Bases of plating tanks replaced with new ones. Leakages corrected - new pipe lines installed. a containment will be the plating area

VII. Conclusions and Further Actions

Seven (7) Solid Waste Managements Units (SWMU's) and two (2) Areas of Concern (AOC) have been identifed at Caribe General Electric Products, Inc. of Juana Díaz, Puerto Rico (PRD090282757) as part of the RCRA Facility Assessment (RFA) performed to the Company on December, 1988.

Identified units include the followings:

a) SWMU1 - Mercury contaminated landfill
b) SWMU2 - Container Storage Area No. 1 (CSA1)
c) SWMU3 - Container Storage Area No. 2 (CSA2)
d) SWMU4 - Container Storage Area No. 3 (CSA3)
e) SWMU5 - Wastewater Treatment unit No. 1 (WWTT1)
f) SWMU6 - Wastewater Treatment unit No. 2 (WWTT2)
g) SWMU7 - Wastewater Treatment unit No. 3 (WWTT3)
h) AOC1 - Sattelite area for destripping of brass pieces
i) AOC2 - Electroplating area

Each unit presents different potentials of releases to the environmental media. Following is a summary of each unit release potential and their respective recommendations for corrective actions:

1) SWMU1 - as a Superfund site soil contamination with mercury has been established. Remedial action has been chosen to be a Hydrometallurgical Treatment. Wastes generated from the implementation of the remedial actions should be manifested and disposed of as hazardous waste as per RCRA requirements.

2) SWMU2 - has low potential of release to soil, ground-water and air due to the adequacy of its secondary containment system. No further action is required at this time.

3) SWMU3 - has low potential of release to soil and groundwater due to the adequacy of its secondary containment system and management of accidental spills. No further action is required at this time.

4) SWMU4 - Since Area 2 of SWMU4 has been utilized for storage of raw materials and the area has no containment system, there is a potential of releases to the soil. Release potential to groundwater is considered to be low due to the low

GE_CARIBE001615

permeabilities attributable to the site soils. It is recommended that the area should be solely utilized for the storage of metal scrap. A memorandum will be sent to the Inspection, Monitoring and Surveillance (IMS) Section of EQB's Hazardous Waste Division in order to inform them of the situation and make the company complies with the recommendation. Refer to Attachment 27 for copy of the memo.

5) SWMU5 - has a potential of chromates releases into the soil due to the fact that the unit containment system as well as the tank are old structures. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed.

6) SWMU6 - has a potential of wastewater releases into the soil due to the fact that the unit containment system as well as the tank are old structures. However releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed.

7) SWMU7 - has a potential of F006 waste and wastewaters releases into the soil due to the fact that the tank walls are old structures. However, releases potential into groundwater could be low due to the low permeabilities that characterize the soils of the site. Since the unit was active till December 1988, a procedure for decontamination of the unit should be developed.

8) AOC1 - There is a concern about the maldisposition of the tin sludge. A memorandum should be sent to the Inspection, Monitoring and Surveillance Section of the EQB's Hazardous Waste Division informing them the situation to watch that the company disposed of the sludge in an appropriate manner. Refer to Attachment 27 for copy of the memo.

9) AOC2 - has a potential of soil contamination due to leakings and metal buildups from the electroplating tanks. A memorandum should be sent to the Inspection, Monitoring and Surveillance Section of the EQB's Hazardous Waste Division informing them the situation in order to insure that the company repairs leaking lines and corroded tanks. Refer to Attachment 27 for copy of the memo.

Table 10 summarizes the potential release pathways and further actions recommended for each identified unit.

COMMENT ON THE DISPOSITION OF TIN SLUDGE - AND AREA RE BUILT DURING 1989

GE_CARIBE001616

TABLE 10: Summary of Potential Release Pathways and Further Actions

UNIT	UNIT NAME	POTENTIAL RELEASE PATHWAYS	FURTHER ACTION
SWMU1	Hg-Lanfill	Soil, Groundwater	Hydrometallurgical Treatment; manifest and disposed of hazardous wastes generates during remedial action.
SWMU2	CSA1	Low potential to soil, groundwater and air	No further action
SWMU3	CSA2	Low potential to soil and groundwater	No further action
SWMU4	CSA3	Soil; low to groundwater	Memo to IMS section to make that CSA3 be utilized solely for metal scrap storage. See Attachment 27.
SWMU5	WWTT1	Soil	Develop procedure for decontamination.
SWMU6	WWTT2	Soil; low to groundwater	Develop procedure for decontamination.
SWMU7	WWTT3	Soil; low to groundwater	Develop procedure for decontamination.
AOC1	Sattelite Area (Brass Destripping)	Maldisposition of in sludge	Memo to IMS section to watch company disposed of sludge appropriately. See Attachment 27.
AOC2	Electroplating Area	Soil	Memo to IMS section to insure company repairs leaking lines and corroded tanks. See Attachment 27.

GE_CARIBE001617

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 7
To STEPHANIE	From CHRIS BOEHM
Co. POWLEY	Co. EDQC
Dept. ARECIBO RFA	Phone #
Fax # 229-2984	Fax # 756-7755

RCRA FACILITY ASSESSMENT REPORT
CARIBE G.E. PRODUCTS, INC.
ARECIBO, PUERTO RICO
EPA ID NO. PRD 090363860

Harold Carrasquillo
EQB Land Pollution
Control Area
Hazardous Waste Division
March, 1988

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INTRODUCTION

Caribe General Electric Products, Inc., Arecibo Plant (G.E. Arecibo), is a manufacturing facility located in Arecibo, Puerto Rico. G.E. Arecibo operates a wastewater treatment facility for the Electroplating Operations which includes a tank used as a "holding reservoir" prior to discharge its effluent into the Arecibo Municipal Sewage Treatment Plant (POTW).

The G.E. Arecibo Plant will perform a full closure of this Holding Tank since permit limitations originally imposed by the Puerto Rico Aqueduct and Sewer Authority (PRASA) have changed as a result of the construction and operation of the Arecibo Regional Wastewater Treatment Plant. This situation has rendered the tank unnecessary for compliance with effluent standard requirements.

This Closure Plan identifies all steps that will be taken to close the Holding Tank in an environmentally safe manner.

I- Introduction

Caribe General Electric Products, Inc. (Arecibo Plant) is a facility engaged in the manufacture of industrial circuit breakers.

It is located on Route 129, Km. 41.0, Zeno Gandfa Industrial Park, Arecibo, Puerto Rico, on latitude 18 - 27 - 39.0" and longitude 66 - 44' - 30".

Its mailing address is P. O. Box 363, Arecibo, Puerto Rico, 00612.

The facility began manufacturing operations in 1973 and is still in operation.

The following information summarizes the facility history.

Started Operations	August 15, 1973
Part A Submittal	November 19, 1980
Notification of Hazardous Waste Activity submittal	November 19, 1980
Revised Part A	February 22, 1984, July 11, 1985
Full RCRA TSD Inspections	November 4, 1981, November 24, 1982 April 22, 1985 June 23, 1987
Closure Plan Submittal, for the Hazardous Waste Container Storage Area and revisions	October 1985, December, 1986 April, 1986 February, 1988
Closure Plan Submittal for the Holding Tank and revisions	October, 1985 April, 1986 January, 1987
EQB Order to Show Cause	December 30, 1985 July 29, 1986 August 19, 1986

Part B Call In Letter	April 4, 1985
New Storage Area in service	December, 1985
Waste water treatment plant effluent analysis	March 13, 1985
Sludge Analysis	January 24, 1979 October 6, 1980

In addition to its EPA I.D. Number, this facility was authorized to operate with the following environmental permits:

EQB-Air Emissions Permit	PFE-07-0483-0231-I-II-0
Groundwater Well	FA-33-80

7 SWMU's and 6 Areas of Concern (AOC) have been identified at this facility and are discussed in detail in this report.

SWMU's

SWMU-1	Old Hazardous Wastes Containers Storage Area
SWMU-2	Molding Tank
SWMU-3	Wastewater Treatment Plant
SWMU-4	New Hazardous Wastes Containers Storage Area
SWMU-5	Cyanide Sump, Acid:/Alkali Sump, Chrome Sump
SWMU-6	Cr, CN and : Acid/Alkali Sumps
SWMU-7	Cr, CN and Acid/Alkali Concentrated Tanks

AOC's

AOC-1	Raw Material Storage Area I
AOC-2	[illegible] Storage Area II
AOC-3	[illegible]ing Area
AOC-4	[illegible]plating Area
AOC-5	Electroplating Scrubbers and Electroplating Fan Ventilation
AOC-6	Dust Collectors and one Baghouse Collector

II- Facility and Process Description

Caribe G.E. Products, Inc. (Arecibo Plant) is a facility engaged in the manufacture of industrial circuit breakers.

The plant is located in an area zoned as "industrial" by the Puerto Rico Planning Board (PRPB). The GE - Arecibo facility consists of two buildings with approximately 56,900 square feet of office and operations areas established in a property of approximately five acres. The facility is fenced around its parameter and is owned by the Puerto Rico Industrial Development Company (PRIDCO).

Prior to 1985 the facility name was General Electric Gepol, Inc., but as of January 1985 the facility has changed the name to Caribe General Electric Products, Inc. - Arecibe Plant.

The following raw materials are used in the manufacturing process:

- Acids
- premix resing plastic
- nickel sulfate
- silver cyanide
- zinc chloride
- caustic soda
- hipochlorite
- boric acid
- stannous sulfate
- ammonium chloride
- nickel chloride
- steel
- copper
- brass

Plastic molding, steel welding, metal stamping, painting, electroplating (ag, Ni, Zn, Cu, Tin) and assembly of pieces are the processes used in this industry.

The facility consists of two main buildings including the [illegible]ments or areas: office area, Electroplating [illegible] laboratory Molding Area, Welding Area, Metal [illegible], Assembly Area, and Two Raw Material storage [illegible].

The facility has a wastewater treatment plant and a hazardous waste storage area.

The company generates hazardous-wastes from the electroplating operations.

Process Description:

The electroplating areas consists of five electroplating lines which are the following:

1- Multi-Line Plating Line
2- Silver-Line Plating Line
3- Manual-Line Plating Line
4- Salt Hand Line
5- Barrel Hand Plating Line

After alkali-acid pre-treatment metal parts are placed in the plating tanks which contain the corresponding plating solution.

On the plating tanks a thin layer of metal (Ni, Zn, Ag, Tin) is deposited in the surface of the part by an electrochemical process. The parts are then rinsed with clean water.

All the wastewaters resulting from the electroplating process are treated on the Wastewater Treatment Plant.

These wastewaters contain high concentrations of chromate, cyanide, acids, bases and some metals like zinc, tin, nickel, iron, aluminum, copper: Also phosphate, sulfate, nitrate and chloride are present in these wastewaters.

After these wastewaters are treated metals are precipitated and waters are discharged through the public sewer system.

A metallic hydroxide electroplating sludge (F006) results from this wastewater treatment. From 4-5 (55 gallons) drums of this sludge are generated weekly.

The following list includes all hazardous wastes generated and reported by G.E. in its Part A RCRA Permit Application on November 19, 1980.

Hazardous Waste Code	[illegible]	
F0[illegible]	300 pounds	1,1,1,-trichloroethane
F006	40,000 pounds	wastewater treatment sludges

F007	47,520 tons.	spent cyanide plating bath solution from electroplating operations
F008	600 pounds	plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process
F009 F010	200 pounds	quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process
P030	100 pounds	cyanides (soluble cyanide salts) not elsewhere specified
P104	200 pounds	Silver cyanide
P106	100 pounds	Sodium cyanide
U226	11,100 pounds	

On the most recent revised Part A Application Permit dated July 11, 1985, only these wastes are included: metallic hydroxide electroplating sludge (F006).

1,1,1, trichloroethane (F001) and paint wastes (D001).

These wastes presently are stored for less than 90 days in a hazardous wastes storage area.

87-340

NUS CORPORATION

000290

R-33-9-5-3
VA-25-RI-F-I

REMEDIAL INVESTIGATION REPORT

VOLUME I

VEGA ALTA SITE
VEGA ALTA, PUERTO RICO

EPA WORK ASSIGNMENT
NUMBER 44-2LA1.0
CONTRACT NUMBER 68-01-6699

NUS PROJECT NUMBER S773

MAY 1986

Sanitary wastewaters are discharged into an onsite septic tank/cesspool system which was observed by NUS during the field visit. To the best of our knowledge, connection to the PRASA sewer system has not been made. Process wastewaters are apparently collected inside the plant and reused after distillation. Field inspections by NUS did not reveal any ground surface areas with chemical staining or significantly stressed vegetation. Distillate sludge is drummed and hauled to a permitted Hazardous Waste Management Facility (HWMF), Carbareon, near Ponce (F. Freyre, 1985). EPA TAT noted, as communicated by Motorola, that until 1980, spent solvents were placed in drums and transported to the local Vega Alta municipal landfill.

2.2.2 General Electric Pilot Devices

General Electric (GE) Pilot Devices has operated in Vega Alta since June 1966, and is currently in operation. GE Pilot is at the western end of the PRIDCO properties and is distinguished from GE Controls which is at the far eastern end of the PRIDCO industrial developments.

GE Pilot manufactures electrical switches and other various electrical devices. Hazardous substances are reportedly not being used at the plant (E. Yumet and G. Rivera, 1984). EPA TAT reported that degreasing operations using 1,1,1-trichloroethane were being employed in 1983. A PRASA sanitary sewer connection has existed since the GE Pilot (PRIDCO) building was constructed in 1966. Septic tanks or cesspools were not noted on the building construction drawings and they were not observed by NUS in the field.

Runoff is collected in open drains that discharge to Honda Creek. Runoff also flows uncontrolled from the plant grounds to the northwest edge of the property. This runoff is potentially contaminated, based on visual observations of oil and other unknown substances in the grassy area to the northwest. No onsite treatment plant is operating at GE Pilot. All process wastewater goes to the PRASA sewers, including wastes from a phosphate process.

A metal scrap and waste liquid storage area exists on the northwest side of the plant. This area is approximately 20 feet by 20 feet and is covered with a roof. There are no sides to the area; however, the bottom is concrete with a 1-foot 6-inch high concrete curb. On the northwest side of the storage area, water and oil was ponded approximately 1 to 2 inches. A 1-inch-diameter overflow pipe goes through the curb onto the grass area of the northwest side. The discharge area of the 1-inch pipe looks to be affected by oils and, possibly, other liquids stored in the curb area. No vegetation was growing in the area and the surface was very oily. Samples SO-012 and SO-013 were taken in this potentially contaminated area. (See Section 6.3 for a description of soil samples.)

2.2.3 Harman Automotive P.R., Inc.

Harman Automotive has operated at Vega Alta since July 1966, and is currently in operation. Harman manufactures side and rearview mirrors for automobiles.

Organic solvents are reportedly not used at the plant, although an acetone-based silicon primer was mentioned (N. Suarez and F. Acevedo, 1984). EPA TAT indicated that trichloroethane, xylene, and toluene, among other chemicals, were observed in storage on site. Harman also indicated, as reported to EPA TAT, that three drums of 1,1,1-trichloroethane were purchased between 1981 and 1983.

A PRASA sewer system has been used at Harman for wastewater disposal since operations started in 1966. Onsite septic systems were not observed and were not indicated on PRIDCO drawings.

Runoff is collected in a series of ditches and drains that flow to Honda Creek. There is potential for contaminants to be washed off the chemical and waste storage area on the southeast edge of the plant to the runoff collection system. Chemicals and drummed wastes are stored in a secured area on the southeast corner of the plant. No spill control curbs or concrete pads are exist in this area.

Two areas near the chemical storage area were sampled - SO-001, SO-002, and SO-003. Strong aromatic and acid odors were evident in soils near SO-003. (See Section 6.3 for a description of soil samples).

2.2.4 West Company Plastic Container Division of P.R., Inc.

West Company began Vega Alta operations in January 1976 at one PRIDCO building (S-1094). West Company expanded into another PRIDCO building (T-0885) in July 1981, and into an additional PRIDCO building (T-1277) in June 1982. PRIDCO buildings T-1277 and S-1094 were purchased by West Company in June 1984. It should be noted that the PRIDCO building T-0885 was constructed in 1967 and had five occupants prior to West Company, including GE Controls, Inc., and Harman Automotive P.R., Inc. (see Appendix B).

West Company manufactures polyethylene, polyurethane, and styrene bottles using the injection and injection-blow-molded processes. No solvents are used in the process, although periodically, bottle molds are cleaned with a degreaser, EMC-13 (Selig Chemical Company) to remove accumulated residues (F. Rodriquez, 1985). The degreasing operation is reported by West Company to take place outside on the north end of building T-1277. This area was observed to have significant chemical staining and was therefore sampled. (See Section 6.3 for a description of soil samples.)

Sewage and plant wastewaters are disposed by a PRASA sanitary sewer, which was in place prior to construction of the first West Company building in 1967.

2.2.5 Hi-Temp Corporation

Hi-Temp Corporation started operations in Vega Alta in March of 1985. Hi-Temp manufactures ceramic products. Organic solvents are not used in any of the processes.

The PRIDCO building currently occupied by Hi-Temp was constructed in 1951 as part of the original PRIDCO development in Vega Alta. Five industrial companies previously operated in this building; however, it is not known if solvents were used by any of them (see Appendix B).

PRASA sewer lines have not been constructed at the eastern PRIDCO industrial development site, which includes Hi-Temp, Teledyne, and GE Controls. Hi-Temp plant wastewaters are disposed into an onsite septic tank and cesspool system. This system was observed during the NUS field visit and is indicated on the PRIDCO building drawings. No evidence of surface chemical staining or significant stressed vegetation were noted during the field visit.

2.2.6 Teledyne Packaging P.R., Inc.

Teledyne has operated in Vega Alta since December 1983. Teledyne manufactures collapsible metal tubes. Organic solvents are not used in any of the processes; however, it was reported that toluene and xylene have been used in the plant for minor cleaning jobs, but neither are discharged (D. Turner, 1985).

The PRIDCO building was constructed in 1952 and is located between Hi-Temp and GE Controls, on the eastern side of the industrial area. Four industrial companies have previously operated in the building; however, no information was obtained on solvent usage by these companies (see Appendix B).

Teledyne uses an onsite septic system for discharge of plant wastewaters, as does Hi-Temp. Surface chemical staining or stressed vegetation were also not observed at this plant during the field visit.

2.2.7 General Electric Controls, Inc.

General Electric (GE) Controls began Vega Alta operations in February 1965 and is currently in operation. GE Controls makes electronic switches and magnetic control overload devices.

Trichloroethane (1,1,1) was being used at the plant for degreasing at the time of the field visit. Trichloroethylene was reported to be used in the past but is no longer used (E. Yumet and G. Rivera, 1984).

The plant has concrete floors with a floor drain system. The interior floor drains collect spills and washings and process wastes from a tin plating operation, which includes H_2SO_4. The drain flows to an onsite treatment plant built by GE. This treatment plant uses a mixing -- neutralization (caustic) -- coagulation and primary settling process with an NPDES discharge to a ditch which is tributary to Honda Creek. NPDES reports are sent monthly to EPA Region II. Analyses is for pH and metals, tin, chromium, and lead; however, volatile organics are not tested for.

Spent solvents are collected in 55-gallon drums and are stored in a warehouse on the northeast side of the property (the fence line). Approximately 10 barrels per year are generated. Storage is a maximum 90 days on site after which the barrels are shipped to the USA for disposal. Raw chemicals, such as lubricating/cutting oils and 1,1,1-trichloroethane, are also stored in the warehouse.

Dewatered treatment plant sludge is collected on site in a hopper and then placed into reinforced plastic 1 cubic yard bags. The bagged sludge is shipped to Arizona (GE) for recovery of metals. Storage is a maximum 90 days on site.

Runoff from the outside plant grounds (storm water) drains into an open ditch system, mainly on the plant perimeter. The ditches flow to the north into Honda Creek. From observations of plant ground surfaces, it seem possible that runoff can transport waste materials (spilled on the ground) into Honda Creek.

The north side of the plant had the chemicals and waste storage warehouse and the treatment plant. Most of the area is asphalt paving. There are small grass areas behind the treatment plant and on the northeast perimeter of the property.

EPA TAT reported extensively on operations at GE Controls. They indicated that the principal solvent used is 1,1,1-trichloroethane and it is reported on RCRA manifests prepared since 1980. No records were available on the type or amount of solvents used prior to 1980. GE estimated that one drum per month of 1,1,1-trichloroethane has been shipped to the GE Controls plant since 1980 and that between 6 to 12 drums per year have been disposed in a HWMF. The difference between disposal volume and raw product volume was accounted for by evaporation.

The GE Controls building was constructed by PRIDCO in 1953, as part of the initial development on the eastern side of the industrial area. A septic tank and cesspool were installed to dispose of building wastewaters. GE constructed their onsite treatment system for process wastewaters in 1976; however, sewage was still discharged to the septic system and continues today. To the best of our knowledge, a PRIDCO sewer line has not been installed for connection to the GE Controls plant. The PRASA building drawings indicate two septic systems with cesspools in the area of the existing treatment plant and chemical storage building. Septic tanks and cesspools were not observed during the NUS site visit, however, based on the plant drawings, it is possible that their locations were not evidence because of the treatment plant and chemical storage buildings.

Of note is that Remington Rand P.R. operated at the GE Controls plant building (PRASA S-0174) for 9 years, up to 1964. They made electric razors. The type of raw chemicals used in their operations are not known.

2.2.8 Other Industrial Facilities

NUS site visits and soil sampling were performed at existing industrial facilities operating on PRIDCO properties. EPA TAT reported two other private industrial operations to the west of the PRIDCO industrial developments. These are Vega Tronics, Inc., and Able Manufacturing. These facilities are located southwest of Vega Alta, as shown on Figure 2-1; however, field visits were not made by NUS.

Vega Tronics manufactured cathode ray tubes and reportedly used trichloroethylene prior to 1980 and 1,1,1-trichloroethane since 1980, at the rate of three drums per year. Wastewaters were reportedly discharged on site in a septic system with a sand-bed leach field. It is not known at this time if Vega Tronics is still in operation.

Able Manufacturing produced plastic bottles by using the injection-blow-molding process and had reportedly never used organic solvents in their operations. Additional information on this facility has not been obtained.

Vega Alta form R
96/97

GE_CARIBE001634

RY96
Vega Alta(1)
controls

Caribe GE

Caribe General Electric Controls, Inc.
P.O. Box 328
Vega Alta, Puerto Rico 00692
(809) 883-3000/883-3020
Fax(809)883-3050

July 28, 1997

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3348
Attn: Toxic Chemical Release

CERTIFIED MAIL

Mr. Genaro Torres
Director of Superfund and Emergency Division
Environmental Quality Board
National Plaza #431
Hato Rey, P.R. 00917

Re: **1996 - SARA Section 313**
Caribe GE International Controls, Inc.
ID 00692CRBGNSTATE

Enclosed please find a copy of the Toxic Release Inventory Report pertaining to Caribe GE International Controls, Inc. This information is submitted as required under Section III of the Superfund Amendments and Reauthorization Act.

If you have any question or comment, please do not hesitate to contact me at (787) 270-7001 or Mrs. Enid Ortiz, our technical contact, at (787) 270-7009.

Cordially,

Rubén González
Plant Manager

enc.

30 1965 - 1995 Aniversary

(IMPORTANT: Type or print; read instructions before completing form)

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

EPA
United States Environmental Protection Agency

FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
PHENOL

WHERE TO SEND COMPLETED FORMS:
1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR
1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted

using data available to the preparers of this report. unts and values in this report are accurate based on reasonable estimates

Name and official title of owner/operator or senior management official
RUBEN GONZALEZ PLANT MANAGER

Signature: Ruben Gonzalez
Date Signed: 07-28-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name	CARIBE GE INTL. CONTROLS INC.
TRI Facility ID Number	00692CRBGNSTATE
Street Address	STATE ROAD #2 KM 30.2
City	VEGA ALTA
County	
State	PR
Zip Code	00692-
Mailing Address (if different from street address)	P.O.BOX 328
City	VEGA ALTA
State	PR
Zip Code	00692-

PUT LABEL HERE

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EPA FORM R
PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
PHENOL

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	This report contains information for: (Important check a or b; check c if applicable	a. ☐ An entire facility	b. ☐ Part of a facility	c. ☐ A Federal facility			
4.3	Technical Contact	Name: ENID ORTIZ	Telephone number (include area code): (787) 270-7009				
4.4	Public Contact	Name: RUBEN GONZALEZ	Telephone number (include area code): (787) 270-7001				
4.5	SIC Code (4-digit)	a. 3625	b.	c.	d.	e.	f.
4.6	Latitude and Longitude	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		018	24	57	066	19	23
4.7	Dun & Bradstreet Number(s) (9 digits)	a. 001367960					
		b. NA					
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a. PRD090031410					
		b. NA					
4.9	Facility NPDES Permit Number(s) (9 characters)	a. PR0000566					
		b. NA					
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a. NA					
		b.					

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	
	☐ NA	GENERAL ELECTRIC CO.
5.2	Parent Company's Dun & Bradstreet Number	
	☐ NA	001367960

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
PHENOL

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	000108952
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	PHENOL
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

			If produce or import:
3.1	Manufacture the toxic chemical:	a. [ ] Produce b. [ ] Import	c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [ ] As a byproduct f. [ ] As an impurity
3.2	Process the toxic chemical:	a. [ ] As a reactant b. [ ] As a formulation component	c. [X] As an article component d. [ ] Repackaging
3.3	Otherwise use the toxic chemical:	a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid	c. [ ] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
PHENOL

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	640	O	
5.2	Stack or point air emissions	☒ NA			
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name				
	NA				
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
PHENOL

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
NA	

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
NA			
Street Address		Street Address	
City	County	City	County
State	Zip Code	State	Zip Code

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 and indicate which Part II, Section 5.3/6.1 page this is, here. 1 (example: 1, 2, 3, etc.)

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
PHENOL

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	Off-site EPA Identification Number (RCRA ID No.)	NA
	Off-Site Location Name	CLEAN HARBORS OF BALTIMORE
	Street Address	1910 RUSSELL STREET
	City	BALTIMORE
	County	
	State	MD
	Zip Code	21230-
	Is location under control of reporting facility or parent company?	[ ] Yes [X] No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1. A	1. O	1. M79
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2	Off-site EPA Identification Number (RCRA ID No.)	NA
	Off-Site Location Name	PROTECO
	Street Address	STATE ROAD 835 KM 4.4 BO TALLABOA
	City	PENUELAS
	County	
	State	PR
	Zip Code	00624-
	Is location under control of reporting facility or parent company?	[ ] Yes [X] No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1. B	1. O	1. M79
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
PHENOL

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[X] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b 1 2	7A.1c	7A.1d	7A.1e
NA	3 4 5 6 7 8		%	Yes No
7A.2a	7A.2b 1 2	7A.2c	7A.2d	7A.2e
	3 4 5 6 7 8		%	Yes No
7A.3a	7A.3b 1 2	7A.3c	7A.3d	7A.3e
	3 4 5 6 7 8		%	Yes No
7A.4a	7A.4b 1 2	7A.4c	7A.4d	7A.4e
	3 4 5 6 7 8		%	Yes No
7A.5a	7A.5b 1 2	7A.5c	7A.5d	7A.5e
	3 4 5 6 7 8		%	Yes No

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
PHENOL

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
PHENOL

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	415	670	670	670
8.2	Quantity used for energy recovery on-site	NA	NA	NA	NA
8.3	Quantity used for energy recovery off-site	NA	NA	NA	NA
8.4	Quantity recycled on-site	NA	NA	NA	NA
8.5	Quantity recycled off-site	NA	NA	NA	NA
8.6	Quantity treated on-site	NA	NA	NA	NA
8.7	Quantity treated off-site	NA	NA	NA	NA
8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
8.9	Production ratio or activity index	0001.00			

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	YES [ ]	NO [X]

* Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

(IMPORTANT: Type or print; read instructions before completing form)

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
COPPER

WHERE TO SEND COMPLETED FORMS:
1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR
1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted

using data available to the preparers of this report. unts and values in this report are accurate based on reasonable estimates

Name and official title of owner/operator or senior management official
RUBEN GONZALEZ PLANT MANAGER

Signature: Ruben Gonzalez
Date Signed: 07-28-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: CARIBE GE INTL. CONTROLS INC.	TRI Facility ID Number: 00692CRBGNSTATE
Street Address: STATE ROAD #2 KM 30.2	
City: VEGA ALTA	County:
State: PR	Zip Code: 00692-
Mailing Address (if different from street address): P.O.BOX 328	
City: VEGA ALTA	
State: PR	Zip Code: 00692-

PUT LABEL HERE

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EPA FORM R
PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
COPPER

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	This report contains information for: (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	Technical Contact	Name: ENID ORTIZ	Telephone number (include area code): (787) 270-7009				
4.4	Public Contact	Name: RUBEN GONZALEZ	Telephone number (include area code): (787) 270-7001				
4.5	SIC Code (4-digit)	a. 3625	b. NA	c.	d.	e.	f.
4.6	Latitude and Longitude	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		018	24	57	066	19	23
4.7	Dun & Bradstreet Number(s) (9 digits)	a. 001367960	b. NA				
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a. PRD090031410	b. NA				
4.9	Facility NPDES Permit Number(s) (9 characters)	a. PR0000566	b. NA				
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a. NA	b.				

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[ ] NA: GENERAL ELECTRIC CO.
5.2	Parent Company's Dun & Bradstreet Number	[ ] NA: 001367960

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
COPPER

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007440508
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	COPPER
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

			If produce or import:
3.1	Manufacture the toxic chemical:	a. ☐ Produce b. ☐ Import	c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity
3.2	Process the toxic chemical:	a. ☐ As a reactant b. ☐ As a formulation component	c. ☒ As an article component d. ☐ Repackaging
3.3	Otherwise use the toxic chemical:	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☐ Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05 (Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
COPPER

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	A	O	
5.2	Stack or point air emissions	☐ NA	B	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: HONDA CREEK		A	O	100.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
COPPER

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
A	O

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
VEGA ALTA MUNICIPAL WWTP			
Street Address: P.O.BOX 7066		Street Address:	
City: VEGA ALTA	County:	City:	County:
State: PR	Zip Code: 00692-	State:	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 and indicate which Part II, Section 5.3/6.1 page this is, here. 1 (example: 1, 2, 3, etc.)

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
COPPER

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	Off-site EPA Identification Number (RCRA ID No.)	NA
	Off-Site Location Name	CLEAN HARBORS OF BALTIMORE
	Street Address	1910 RUSELL STREET
	City	BALTIMORE
	County	
	State	MD
	Zip Code	21230-
	Is location under control of reporting facility or parent company?	☐ Yes ☒ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1. A	1. O	1. M79
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2	Off-site EPA Identification Number (RCRA ID No.)	NA
	Off-Site Location Name	WRRENTON RESOURCES, INC
	Street Address	1710 DANIEL BOONE IND. PARK
	City	CLEVELAND
	County	
	State	OH
	Zip Code	44146-
	Is location under control of reporting facility or parent company?	☐ Yes ☒ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1. 198000	1. O	1. M24
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

EPA United States Environmental Protection Agency	EPA FORM R PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER 00692CRBGNSTATE Toxic Chemical, Category or Generic Name COPPER

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[X] **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b 1 NA 2	7A.1c	7A.1d	7A.1e
NA	3 4 5 6 7 8		%	Yes [ ] No [ ]
7A.2a	7A.2b 1 2	7A.2c	7A.2d	7A.2e
	3 4 5 6 7 8		%	Yes [ ] No [ ]
7A.3a	7A.3b 1 2	7A.3c	7A.3d	7A.3e
	3 4 5 6 7 8		%	Yes [ ] No [ ]
7A.4a	7A.4b 1 2	7A.4c	7A.4d	7A.4e
	3 4 5 6 7 8		%	Yes [ ] No [ ]
7A.5a	7A.5b 1 2	7A.5c	7A.5d	7A.5e
	3 4 5 6 7 8		%	Yes [ ] No [ ]

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692 CRBGNSTATE
Toxic Chemical, Category or Generic Name
COPPER

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
00692CRBGNSTATE
Toxic Chemical, Category or Generic Name
COPPER

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	250	108	108	108
8.2	Quantity used for energy recovery on-site	NA	NA	NA	NA
8.3	Quantity used for energy recovery off-site	NA	NA	NA	NA
8.4	Quantity recycled on-site	NA	NA	NA	NA
8.5	Quantity recycled off-site	92000	198000	198000	198000
8.6	Quantity treated on-site	NA	NA	NA	NA
8.7	Quantity treated off-site	NA	NA	NA	NA
8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
8.9	Production ratio or activity index	0001.00			

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	YES [ ]	NO [X]

* Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

Vega Alta (1) CONTROLS

RY 97
RY 96
Revisions RY 97

RY 96
Vega Alta 2

Caribe GE

Caribe General Electric Fabrication, Inc.
P.O. Box 1077
Vega Alta, Puerto Rico 00692
(809) 883-4040
Fax (809) 883-4084

July 29, 1997

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3348
Attn: Toxic Chemical Release Inventory

REF: SARA, Tittle III, Section 313 Report
Hazardous Chemical Inventory
Vega Alta Fabrication, Plant
EPA # PRD 090193277

Dear Sir:

As required by Tittle III, Section 313, of the Superfund Amendments and Reauthorization Act of 1986, enclosed here which are the Toxic Chemical Release Inventory Report Form for all chemicals present on site during 1996 for Caribe GE Fabrication, Inc. formally known as Caribe GE Products, Inc. subject to reporting requirement of this section.

We are submitting only one report from our facility concerning the following chemical:

Chemical	RY	CAS Number
Copper	1996	7440-50-8

Our technical contact is Gladys Torres, phone number (787) 270-7046 and is available should any questions of this report.

I hereby certify that I have reviewed the attached documents and that, to the best of my knoweldge and belief, the submitted information is true and complete and that amounts and values in ths report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

Jose Espinal
Plant Manager

EPA

United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS:
1. EPCRA Reporting Center, P.O. Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 19 96

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms)
[X] No Do not answer 2.2; go to Section 3

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date signed:
JOSE ESPINAL PLANT MANAGER		7/31/97

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 00692CRBGPSTAT

4.1 Facility or Establishment Name: CARIBE GE FABRICATION INC

Facility or Establishment Name or Mailing Address (if different from street address):

Street: KM 30.9 ROAD #2

Mailing Address: P.O. BOX 1077

City/County/State/Zip Code: VEGA ALTA, PUERTO RICO, 00692

City/County/State/Zip Code: VEGA ALTA, PUERTO RICO, 00692

4.2 This report contains information for: (Important: check a or b; check c if applicable) a. [ ] An entire facility b. [X] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: GLADYS TORRES — Telephone Number (include area code): 787-270-7046

4.4 Public Contact Name: JOSE ESPINAL — Telephone Number (include area code): 787-270-7041

4.5 SIC Code (s) (4 digits): a. 3612 b. 3451 c. 3089 d. N/A e. f.

4.6	Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
Latitude	18	25	33	Longitude	66	19	49

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 090193277	a. PRD090193277	a. N/A	a.
b. N/A	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[ ] NA	CARIBE G.E. COMPANY
5.2	Parent Company's Dun & Bradstreet Number	[ ] NA	(9 digits) 001367960

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI FACILITY ID NUMBER: 00692CRBGPSTATH

Toxic Chemical, Category, or Generic Name: COPPER

CTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1 CAS NUMBER (IMPORTANT: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)

007440-50-8

2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)

COPPER

Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes". Generic name must be structurally descriptive.)

N/A

CTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)

N/A

CTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. ☐ Produce b. ☐ Import		N/A
If produce or import:	a. ☐ As a reactant	a. ☐ As a chemical processing aid
☐ For on-site use/processing	b. ☐ As a formulation component	b. ☐ As a manufacturing aid
☐ For sale/distribution	c. ☒ As an article component	c. ☐ Ancillary or other use
☐ As a byproduct N/A	d. ☐ Repackaging	
☐ As an impurity		

CTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate)	B. Basis of estimate (enter code)	C. % From Stormwater
	Fugitive or non-point air emissions	NA ☐	B	G	
2	Stack or point air emissions	NA ☒			
3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
.1					
.2					
.3					
.1	Underground Injection on-site to Class I Wells	NA ☒			
	Underground Injection on-site to Class II-V Wells	NA ☒			

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 00692CRBEPSTATA
Toxic Chemical, Category, or Generic Name: COPPER

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5	Disposal to land on-site			
5.1A	RCRA Subtitle C landfills	☒		
5.1B	Other landfills	☒		
5.2	Land treatment/application farming	☒		
5.3	Surface impoundment	☒		
5.4	Other disposal	☒		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A. Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
N/A	

6.1.B. ___ POTW Name							
POTW Address							
City		State		County		Zip	
6.1.B. ___ POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Section 6.1 page this is here [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2 ___ OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)			N/A				
Off-Site Location Name	CONVERSION RESOURCES INCORPORATED						
Off-Site Address	7700 HEDUSA RD A						
City	CLEVELAND	State	OHIO	County		Zip	44116

Is location under control of reporting facility or parent company? [ ] Yes [ ] No

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: CC692CRBGPSTATA
Toxic Chemical, Category, or Generic Name: COPPER

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
G9CCC	1. M	1.M 93
	2.	2.M
	3.	3.M
	4.	4.M

___ OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

-Site Location Name: N/A

-Site Address

		State		County		Zip	

location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
N/A	1.	1.M
	2.	2.M
	3.	3.M
	4.	4.M

additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this ☐ and indicate which Part II, Section 6.2 page this is, here. ☐ (example: 1.2.3. etc.)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☒ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
..1a	7A.1b: 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐	7A.1c	7A.1d %	7A.1e Yes ☐ No ☐
7A.2a	7A.2b: 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐	7A.2c	7A.2d %	7A.2e Yes ☐ No ☐
7A.3a	7A.3b: 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐	7A.3c	7A.3d %	7A.3e Yes ☐ No ☐
A.4a	7A.4b: 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐	7A.4c	7A.4d %	7A.4e Yes ☐ No ☐
5a	7A.5b: 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐	7A.5c	7A.5d %	7A.5e Yes ☐ No ☐

Range Codes: A= 1-10 pounds; B=11- 499 pounds; C= 500 - 999 pounds.

EPA FORM R PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER 00692CRBGPSTAT Toxic Chemical, Category, or Generic Name COPPER

If additional copies of page 4 are attached, indicate the total number of pages in this box [ ] and indicate which page 4 this is, here. [ ] (example: 1,2,3, etc.)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code (s)]

[ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[ ] Not applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

[ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]
[ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

quantity estimates can be reported ng up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
Quantity released	247	400	400	300
Quantity used for energy recovery on-site	N/A	N/A	N/A	N/A
Quantity used for energy recovery off-site	N/A	N/A	N/A	N/A
Quantity recycled on-site	N/A	N/A	N/A	N/A
Quantity recycled off-site	91,000	69 000	70,000	70,000
Quantity treated on-site	N/A	N/A	N/A	N/A
Quantity treated off-site	N/A	N/A	N/A	N/A
Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
Production ratio or activity index			1.51	

0 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
0.1	N/A	a.	b.	c.
0.2		a.	b.	c.
0.3		a.	b.	c.
0.4		a.	b.	c.

·1 Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box) YES [ ] NO [X]

Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

Vega Alta II

RY 97
Rev RY97
RY96

1761

SUPPLEMENT AND AMENDMENT TO LEASE CONTRACT

NOW COME the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Landlord") and GENERAL ELECTRIC PILOT DEVICES, INC. (hereinafter referred to as the "Tenant") and agree to supplement and amend a certain Lease Contract entered into by them on June 20, 1966, supplemented and amended on December 6, 1967 and January 3, 1977 (hereinafter collectively referred to as the "Contract") in connection with a certain landsites and buildings at Vega Alta, Puerto Rico, identified as Projects No. 7-635-63, 7-635-A-66 and L-206-60 (hereinafter referred to as the "Original Premises") in the following respects: 5-13 35-0-81

ONE: Landlord hereby agrees and undertakes to construct an extension of approximately 11,480 sq. ft. of floor space on Lot #2 (hereinafter referred to as the "Extension"); to be used and occupied by Tenant in the manufacture of push button electrical devices; such construction to be carried out according to plans to be prepared by Landlord and approved by Tenant; it being agreed and understood that in the event that Tenant shall not return said plans within thirty (30) days after they have been submitted by Landlord, they shall be deemed approved. Such construction shall be undertaken by Landlord on one or more construction contracts to be awarded to competent contractors through competitive biddings.

Upon completion of construction of said Extension, a description thereof shall be incorporated herein by a supplement hereto.

TWO: The Extension shall, upon completion, be included as part of the demised premises covered by the Contract and, as such, subject to all applicable terms, covenants and conditions thereof as they may have been hereby supplemented and/or amended.

THREE: As a condition upon which the undertaking of the Landlord herein is predicated, Tenant agrees and undertakes to increase, as provided in the contract:

(1) Its investment in machinery and equipment by $2,000,000; and

(2) Its employment by 30 persons, all at the same time.

The foregoing increases are over and above its investment in machinery and equipment and employment heretofore required from Tenant under existing contracts with the Landlord, which for the purposes hereof are determined to be $400,000 and 152 persons, respectively.

GSC

FOUR: The lease period stipulated in the Contract shall be deemed modified to be 10 years and to commence on the first day of the month following the date of completion of construction of said Extension, as such date is hereinafter determined. Notwithstanding, it is hereby agreed that the completion of minor details of construction or the correction of defects which do not impede occupancy or other activities related to the installation of machinery and equipment and the subsequent initiation of industrial operations shall in no way affect the date of completion of construction of said Extension, as such date is determined by the certificate of such completion to be issued by the Landlord and notified to the Tenant, and provided further, that full occupancy by Tenant of such Extension prior to completion of its construction shall constitute acceptance thereof by Tenant for all purposes under the contract, including among others, the payment of rent.

10/01/8

FIVE: Rent for the Extension, at the rate of $4.46 per sq. ft. of gross building area thereof per annum and payable in the manner provided in Article 1 of the Contract shall commence to accrue and be payable on the first day of the month following the date of completion of construction of the Extension, as hereinabove provided. Rent for the Original Premises shall continue to be paid at the rate stipulated in the Contract until October 31, 1986, thereafter and throughout the remainder of the term, rent shall be at the rate then currently being charged by Landlord in the area.

10/01/8

12/23/81
$16,400.-
CR113238

SIX: Simultaneously with the execution hereof, Tenant shall deposit with Landlord the amount of $16,400.00; said amount shall become immediately payable to Landlord in the event that at any time prior to the start of operations by Tenant at the Extension, it abandons its project for reasons of its own concern and under its control and, in addition thereto, but without limitation, Landlord shall have the right to lease to a third party the Extension, and thereafter, the landsite covered by the Contract shall be used jointly by Tenant herein and tenant of the Extension and Tenant hereby gives its express consent therefor. However, as soon as Tenant starts operations at the Extension, the fund in deposit

shall be refunded to Tenant less the amount of one month rent that shall be refunded to Tenant at the end of the fifth year or when Tenant has fulfilled the employment requirement, whichever date occurs last.

SEVEN: Anything contained in this contract to the contrary notwithstanding, if required by Tenant, Tenant shall at its own cost and expense construct and/or install a power substation and connect it, at its own cost and expense to the Puerto Rico Electrical Power Authority distribution lines, for voltages up to 13.2 KV; and to Puerto Rico Electrical Power Authority transmission line for voltage of 38 KV; such construction to be in accordance with the provisions of Article 39C of the Contract and in conformity with the requirements of the Puerto Rico Electrical Power Authority.

EIGHT: Tenant agrees, as a condition hereof, that it will not discharge its industrial and/or sanitary effluents either into the sewer system and/or into any other place until after authorization therefor has been obtained from the Puerto Rico Aqueduct and Sewer Authority, the Department of Health of Puerto Rico and/or any other governmental agency having jurisdiction thereon and Tenant further agrees and undertakes to treat, any such effluent, prior to discharge thereof as required by the said Authority, Department and/or any other governmental agency having jurisdiction thereon and/or to install any equipment or system required, and to fully abide by and comply with any and all requisites imposed thereby; and upon request by Landlord, to submit evidence of such compliance; it being agreed that non-compliance thereof by Tenant shall be deemed an additional event of default under the provisions hereof. Provided, that no construction and/or installation shall be made unless upon Landlord's prior written approval thereof.

NINE: Tenant hereby acknowledges that it has been informed by the Landlord that the maximum floor load of the premises herein demised is 150 pounds per sq. ft. therefore, Tenant hereby agrees that in the event the load of the machinery and equipment to be installed thereat exceed such maximum load, it shall, at its own cost and expense, carry out any improvements to the floor of the premises which may be necessary to support such additional load; it being further agreed and understood that

Eso

construction and/or installation of such improvements shall not be commenced until after Landlord's approval of the plans to be prepared therefor by Tenant and thereafter, after completion of construction and/or installation of said facilities, they shall be deemed covered by and subject to the applicable provisions of this contract; it being further specifically agreed and understood that upon termination of this lease, such facilities shall be removed by Tenant, at its own cost and expense, or in the alternative, and upon request by Landlord, they shall remain as part of the premises with no obligation whatsoever on the part of the Tenant to be reimbursed and/or compensated therefor.

TEN: This Contract is made and entered into subject to and conditioned upon the endorsement and approval of the Planning Department of the Puerto Rico Industrial Development Company, the Office of Economic Studies of the Economic Development Administration and the Environmental Quality Board of Puerto Rico; provided that such approvals shall be understood to constitute conditions of the within contract which if not complied with, shall entitle the Landlord to rescind this Contract.

ELEVEN: Inasmuch as Tenant has exercised its right of first refusal to lease Lot No. 2 as provided in Paragraph 27 of the Contract, it is hereby agreed and understood that anything herein contained to the contrary notwithstanding, Paragraph Two of the Second Supplement and Amendment to Lease Contract executed by and between Landlord and Tenant on January 3, 1977, is herein amended only to the effect that Tenant shall be released therefor from the payment of rent established therein on the first day of the month following the date of execution of this Third Supplement and Amendment to Lease Contract.

TWELVE: All notices to be given to the Tenant under the Contract shall be addressed to: Mr. Frank López, President, P.O. Box 328, Vega Alta, Puerto Rico 00762, with copy to: Ignacio Rivera, Esq., Counsel Puerto Rico Affairs, General Electric Company, P. O. Box 5718, San Juan, Puerto Rico 00905; or to such other address as may be requested by Tenant in writing.

THIRTEEN: Tenant agrees to submit to Landlord within thirty (30) days from the date of execution of this Supplement and Amendment to Lease

Contract, a certificate of a resolution of its Board of Directors either authorizing or ratifying the execution hereof.

FOURTEEN: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with the terms hereof and shall remain in full force and effect as herein supplemented and amended.

FIFTEEN: This Contract and Landlord's obligations hereunder, is made subject to and conditioned upon, its approval by Landlord's Board of Directors, the action taken thereby to be promptly notified to Tenant.

IN WITNESS WHEREOF, the parties hereto execute this Supplement and Amendment to Lease Contract at San Juan, Puerto Rico, this dec. 21, 1981.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

By: _____

GENERAL ELECTRIC PILOT DEVICES, INC.

By: _____

Affidavit # 81-1509

Jurado y suscrito ante mi por Don Frank López, Presidente de la General Electric Pilot Devices, Inc., mayor de edad, casado, residente de San Juan, a quien conozco personalmente.

En San Juan, hoy 21 de diciembre de 1981.

IGNACIO RIVERA CORDERO
ATTORNEY AT LAW
Silvi
DiDi
TiTo
NOTARY PUBLIC
COMMONWEALTH OF PUERTO RICO

Notario Público

SUPPLEMENT AND AMENDMENT TO LEASE CONTRACT

NOW COME the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC PILOT DEVICES, INC. (hereinafter referred to as the "Lessee") and agree to supplement and amend a certain Lease Contract entered into by them on June 20, 1966 (hereinafter referred to as the "Contract"), covering, among other things, project number 7-635-63 at Vega Alta, Puerto Rico, in the following respects:

ONE: The Lessor hereby agrees and undertakes to construct an extension of approximately 7,200 sq. ft. of floor space to project number 7-635-63, covered by the Contract; such construction according to plans and specifications to be prepared by Lessor and approved by Lessee; it being agreed and understood that in the event that Lessee does not return said plans and specifications within thirty (30) days after they have been submitted by Lessor, they shall be deemed approved. Such construction shall be undertaken on one or more construction contracts to be awarded to competent contractors through competitive biddings.

TWO: The extension referred to in Paragraph ONE above, shall, upon completion, be included as part of the demised premises covered by the Contract and, as such, subject to all the terms, covenants and conditions therein included as they may have been herein supplemented and/or amended.

THREE: As a condition upon which the undertaking of the Lessor herein is predicated, Lessee agrees and undertakes to install, as provided in the Contract, additional manufacturing machinery and equipment worth at least $100,000.00, with capacity to provide employment for 30 additional persons.

FOUR: The duration of the term created in the aforesaid Contract shall not be altered by this Supplement And Amendment To Lease Contract and said term shall terminate on October 31, 1976 subject to the terms and conditions contained in said Contract entered into between the Lessor and the Lessee on June 20, 1966.

FIVE: It is understood and agreed that until the extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee as mutually agreed by the Lessor and Lessee, the Lessee shall not be required to pay any rent for such extension but shall continue to pay the same amount of rental it is obligated to pay under and pursuant to the aforesaid Contract entered into between the Lessor and Lessee on June 20, 1966. It is further understood and agreed that after the Lessor and Lessee agree that the extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee, Lessee shall pay to the Lessor commencing on the first day of the calendar month immediately following the month in which it is mutually agreed by the Lessor and Lessee that the said extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee as additional rent for said extension an annual rent upon the entire said extension arrived at by multiplying the gross square foot ~~interior~~ EXTERIOR building area by $0.70, such additional rental shall begin to accrue on the first day of the calendar month following the month in which the Lessor and Lessee mutually agree that the extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee and not before. RTR

SIX: Lessee agrees to submit to Lessor, within thirty (30) days from the date of execution hereof a certificate of a resolution of its Board of Directors authorizing the execution of this Instrument.

SEVEN: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with the terms hereof and shall remain in full force and effect as herein supplemented and amended.

IN WITNESS WHEREOF, the parties hereto execute this Contract at San Juan, Puerto Rico, this 6th day of December 1967.

ATTEST:

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

Secretary

BY: _____
President

ATTEST:

GENERAL ELECTRIC PILOT DEVICES, INC.

J. C. Howes
Secretary

BY: R.V. Rodwell
Chairman of the Board

SUPPLEMENT AND AMENDMENT TO LEASE CONTRACT

NOW COME the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC PILOT DEVICES, INC. (hereinafter referred to as the "Lessee") and agree to supplement and amend a certain Lease Contract entered into by them on June 20, 1966 (hereinafter referred to as the "Contract"), covering, among other things, project number 7-635-63 at Vega Alta, Puerto Rico, in the following respects:

ONE: The Lessor hereby agrees and undertakes to construct an extension of approximately 7,200 sq. ft. of floor space to project number 7-635-63, covered by the Contract; such construction according to plans and specifications to be prepared by Lessor and approved by Lessee; it being agreed and understood that in the event that Lessee does not return said plans and specifications within thirty (30) days after they have been submitted by Lessor, they shall be deemed approved. Such construction shall be undertaken on one or more construction contracts to be awarded to competent contractors through competitive biddings.

TWO: The extension referred to in Paragraph ONE above, shall, upon completion, be included as part of the demised premises covered by the Contract and, as such, subject to all the terms, covenants and conditions therein included as they may have been herein supplemented and/or amended.

THREE: As a condition upon which the undertaking of the Lessor herein is predicated, Lessee agrees and undertakes to install, as provided in the Contract, additional manufacturing machinery and equipment worth at least $100,000.00, with capacity to provide employment for 30 additional persons.

FOUR: The duration of the term created in the aforesaid Contract shall not be altered by this Supplement And Amendment To Lease Contract and said term shall terminate on October 31, 1976 subject to the terms and conditions contained in said Contract entered into between the Lessor and the Lessee on June 20, 1966.

FIVE: It is understood and agreed that until the extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee as mutually agreed by the Lessor and Lessee, the Lessee shall not be required to pay any rent for such extension but shall continue to pay the same amount of rental it is obligated to pay under and pursuant to the aforesaid Contract entered into between the Lessor and Lessee on June 20, 1966. It is further understood and agreed that after the Lessor and Lessee agree that the extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee, Lessee shall pay to the Lessor commencing on the first day of the calendar month immediately following the month in which it is mutually agreed by the Lessor and Lessee that the said extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee as additional rent for said extension an annual rent upon the entire said extension arrived at by multiplying the gross square foot ~~interior~~ EXTERIOR building area by $0.70, such additional rental shall begin to accrue on the first day of the calendar month following the month in which the Lessor and Lessee mutually agree that the extension referred to in Paragraph ONE hereof is complete and ready for occupancy by the Lessee and not before.

SIX: Lessee agrees to submit to Lessor, within thirty (30) days from the date of execution hereof a certificate of a resolution of its Board of Directors authorizing the execution of this Instrument.

SEVEN: All terms and conditions of the Contract shall be deemed supplemented and amended to the extent inconsistent with the terms hereof and shall remain in full force and effect as herein supplemented and amended.

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Secretary

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ATTEST:

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Secretary

BY: Chairman of the Board

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PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

BY: _____
President

_____
Secretary

ATTEST:

GENERAL ELECTRIC PILOT DEVICES, INC.

J. C. Ames
_____
Secretary

BY: R. V. Radwell
Chairman of the Board

This lease entered into this 20th day of June, 1966 between PUERTO RICO INDUSTRIAL DEVELOPMENT CO. (hereinafter referred to as the "Lessor") and GENERAL ELECTRIC PILOT DEVICES, INC. (hereinafter referred to as the "Lessee"), a corporation organized under the laws of the State of Delaware and duly authorized to do business in Puerto Rico, herein respectively represented by their duly authorized officers

W I T N E S S E T H:

That in consideration of the rent and covenants herein received and contained on the part of the Lessee to be paid, performed and observed, said Lessor hereby demises and leases to said Lessee all that parcel of land with the building thereon and the building addition to be erected thereon described as follows, to-wit:

Lots No. 3 and No. 4 shown on site plan L-206-60 dated March 23, 1961, a reduction of which from the inscription plan of Vega Alta Sub-Division Sheet No. 3, Dwg. No. 695 prepared by Gonzalez & Gonzalez, -- Architects and Engineers, is attached hereto marked Exhibit "A" and by this reference made a part hereof, together with all the rights, easements and appurtenances to the same belonging and usually had and enjoyed therewith, and upon and subject to the terms, conditions and provisions herein contained, it being understood that the aforesaid Lot No. 3 is subject to a right of way in favor of the Puerto Rico Water Resources Authority whereby said authority is permitted to run existing power lines along the Southern and Western boundary lines of said Lot No. 3. The present building on said Lot No. 3 is known as Project 7-635-63. Lot No. 4 is subject to the same right of way in favor of Puerto Rico Water Resources Authority but along Lot No. 4's Northern and Western boundaries.

Lessor undertakes to erect upon the demised premises and immediately adjacent to the West wall of the building presently on Lot No. 3 shown on said Exhibit "A" a building extension having a sq. ft. area of not less than 11,500 sq. ft., which building shall have the same width from North to South, to-wit: 92'-4" and a depth of 121 ft. and lean-tos to be located by the Lessee to bring the total square foot area leased to not less than 11,500 sq. ft. and which building extension shall be of the same type of construction as the existing building but shall have a 6 ft. greater ceiling height and which building shall be built in accordance with all applicable building laws of Vega Alta, Puerto Rico and in accordance with all laws, rules and regulations of all public authorities. There is attached hereto, marked Exhibit "B" a description of building "Q-1A" -- Project No. 7-635-63 which indicates the building construction of the existing building on said Lot No. 3. Said Exhibit "B" is attached purely for the purpose of indicating the type of construction which is to be used in the extension.

It is understood and agreed that the West wall on the existing building on Lot No. 3 shall not be removed until the building extension referred to above shall be substantially completed at which time the two buildings shall be roofed over, properly jointly supported and made weather tight.

It is understood and agreed by the Lessor that should this building addition not be substantially completed and ready for occupancy by the Lessee on or before November 15, 1966 then the Lessee has the privilege of cancelling this agreement.

Notice in writing must be given with respect to the exercising of the above privilege not later than November 30, 1966.

It is expressly understood and agreed that a loading platform, satisfactory to the Lessee shall be built at the back of the building extension, and that there

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will be built into said loading platform at the expense of the Lessor levelers which the Lessee will furnish to the Lessor at Lessee's expense. Such loading platform shall be 50 ft. in length and 20 ft. in depth and shall be roofed over for half of its depth. It is further understood and agreed that when said loading platform is built the present door on the North side leading into the presently existing building shall be blocked up at Lessor's expense in the event the Lessee at that time so requests. It is also understood and agreed that the square foot area of the loading platform is in addition to the not less than 11,500 sq. ft. area referred to above.

It is understood and agreed that the Lessor will, at Lessor's expense, do the things listed on Exhibit "C" which is attached hereto and by this reference made a part hereof.

Lessor leases and conveys the right to have and to hold the said Lots No. 3 and No. 4 together with the existing building erected upon Lot No. 3 for the term of ten years and four months commencing on July 1, 1966 and terminating on October 31, 1976.

It is understood and agreed that when the aforesaid building extension is completed and ready for occupancy by the Lessee, as mutually agreed between the Lessor and the Lessee, that said extension shall automatically become a part of the demised premises.

1. It is understood and agreed that until said building extension is completed and ready for occupancy by the Lessee as mutually agreed by the Lessor and Lessee the rent to be paid by the Lessee shall be at the annual rate of Eight thousand forty-nine and 96/100 Dollars ($8,049.96) payable in monthly installments of Six hundred seventy and 83/100 Dollars ($670.83) payable in advance on the first day of each lease month. It is further understood and agreed that after the Lessor and Lessee agree that the aforesaid lease extension is complete and ready for occupancy by the Lessee the annual rent upon the entire demised premises shall then prospectively become a figure arrived at by multiplying the gross sq. ft. building area, including the aggregate of the existing building and the aforesaid building extension (exclusive of unroofed portion of loading platforms) by 70¢. The said rent shall then be payable in twelve equal monthly installments on the first day of each month during the lease year in advance, such monthly installment to be arrived at by dividing the annual rental by twelve. It is understood and agreed that in the event the parties mutually agree that the aforesaid building extension becomes complete and ready for occupancy by the Lessee during a lease month, the rent for that portion of the lease month prior to the date upon which the parties mutually agreed the building extension has become complete and ready for occupancy shall be that portion of the monthly rental theretofor paid which the amount of the lease month which has expired prior to said mutually agreed upon date is of the entire month and the rent to be paid thereafter during such calendar month is to be that portion of the new monthly rental which the amount of the unexpired portion of the lease month following the date upon which the building addition is complete and ready for occupancy is of the entire lease month.

2. Anything in this lease heretofore and hereafter to the contrary, the Lessee shall pay to the Lessor as additional rent for Lot No. 4 shown on said Exhibit "A" an annual rent of Two thousand three hundred and 04/100 Dollars ($2,300.04) payable in equal monthly installments of One hundred ninety-one and 67/100 Dollars ($191.67) in advance on the first day of each lease month commencing on July 1, 1967 provided, however, that it is understood and agreed that if and when the Lessor and the Lessee enter into a lease agreement under which the Lessor is to build wholly

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or partially on Lot No. 4 any additional structure having a square foot area of at least 10,000 sq. ft. not presently wholly or partially on Lot No. 4, this additional rental for Lot No. 4 shall cease on the date upon which Lessee is first obligated to pay rental on such additional building. No structure shall be constructed on Lot No. 4 by Lessee without prior written approval of the Lessor.

3. It is understood and agreed that the Lessee shall have the right to cancel this lease and the term demised insofar as the aforesaid Lot No. 4 is concerned by 90 days written notice served at any time after July 1, 1971, provided, however, that the Lessee shall have this right only if a building of the type referred to in paragraph 2. above has not been built wholly or partially on the aforesaid Lot No. 4 prior to July 1, 1971 by mutual agreement between the Lessor and the Lessee.

4. WATER SUPPLY. The Lessor agrees to arrange for provision of an additional raw water supply with a capacity of one hundred fifty (150) gallons per minute on the demised premises. In the event that at any time during the demised term or during any extension thereof the said additional raw water supply is not equal to at least one hundred fifty (150) gallons per minute on the demised premises and so remains for more than thirty (30) consecutive days after Lessee advises the Lessor in writing that the said additional water supply is less than one hundred fifty (150) gallons per minute, Lessee may at its option terminate this lease by written notice effective sixty (60) days after such notice is given to Lessor.

It is understood and agreed that in making provision for the aforesaid additional water supply the Lessor will furnish at its expense well pump, pressure tank, water softener and associated piping.

5. TAX EXEMPTION. It is agreed that in the event that the Tax Exemption Grant for which the General Electric Pilot Devices, Inc. made application in Case No. SL-838 is not granted to the Lessee in accordance with the aforesaid Application, the Lessee shall have the right to cancel and terminate this lease, the demised term and any extension or renewal thereof by giving written notice to the Lessor within ninety days after the Lessee has been notified of the denial of the application. It is agreed that such cancellation and termination may be either before or after the effective date of this lease. In the event of such cancellation or termination neither party shall thereafter be liable to the other for any loss, cost, damage or expense. It is further understood and agreed that Lessee at its option shall have the further right to terminate this lease if the Tax Exemption Grant granted to it is cancelled or annulled during the demised term or during any extension thereof for any reason other than acts or omissions of Lessee which shall have caused such cancellation or annulment to be effected.

6. MAINTENANCE OF PREMISES. The Lessee shall at all times keep the premises in substantial order and repair, including but not limited to all walls, roofs, floors, vaults, water and sewer connections, windows and other glass, plumbing, water, gas and electric installations, pipes, wires and conduits and the Lessee shall also replace and renew, with like kind and quality, any of the said things, in, or about, the premises that may become too worn to be repaired, so that at all times, the said premises shall be in thoroughly good order provided, however, that when the Lessee surrenders the premises at the end of the term or of any extension thereof, or on an earlier termination thereof, Lessee shall only be obligated to surrender and deliver to the Lessor the demised premises broom-clean, in thorough repair and good order and safe condition, reasonable wear and tear of walls, floors, and other parts of the building on the demised premises excepted. Should the Lessee fail to make repairs necessary to keep the demised premises in good condition as aforesaid the Lessor may make such repairs for the account of the Lessee upon giving the Lessee fifteen (15) days prior notice in writing of its intention to make the

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same, in which case the Lessor will charge the cost thereof to the Lessee, and the Lessee will pay for the same immediately upon being billed therefor.

It shall be the responsibility of the Lessor to promptly correct any defects in the building or improvements on the demised premises which are due to faulty design or to errors of construction not apparent on the first day of the term.

7. INSPECTION OF PREMISES. The Lessor may at all reasonable times during business hours but without interfering with the normal operations of Lessee's plant inspect the demised premises to ascertain if Lessee is complying with the terms hereof.

8. LIABILITY INSURANCE. Lessee shall keep in force at all times during the life of this lease public liability insurance in the amount of not less than Fifty thousand Dollars ($50,000.00) for one person and One hundred thousand Dollars ($100,000.00) for one accident covering both the liability of the Lessor and the Lessee as owner and tenant, respectively of the premises. Certified copies of the original policy or Certificates of Insurance, and all riders or notices of payment of premiums on due date, shall be placed by Lessee in the hands of Lessor no later than the first day of the demised term.

9. OTHER INSURANCE. Lessee agrees to keep the building on the demised premises insured at all times during the life of this lease or any extension thereof against the risks of fire, hurricane, earthquake and boiler (if any such boiler shall be operated for Lessee's use) if such insurance is obtainable, in the names of the Lessor and the Lessee as their respective interests may appear, and with responsible insurance companies authorized to do business in Puerto Rico and for the following amounts:

A. - Fire. 80% of insurable value exclusive of foundations.
B. - Hurricane. 50% of insurable value exclusive of foundations.
C. - Earthquake. 50% of insurable value including foundations.
D. - Boiler. (if any) 100% of insurable value.

The proceeds of any such insurance on account of casualty damages to the Lessor's property shall be totally applied to the restoration of the damaged premises with all reasonable promptness. In the event that the proceeds of such insurance are insufficient for the total restoration and repair of the demised premises, Lessor shall have an option to terminate this agreement as of the day on which the loss occurred and Lessee shall have no right to be indemnified by Lessor for such earlier termination. However, Lessee may in that case supply the necessary funds to complete the cost of the restoration and repair over and above the proceeds of the insurance and in such event Lessor shall promptly proceed to the restoration and repair of the demised premises, disregarding any notice of termination given by it hereunder.

The parties hereto agree, however, that if a substantial part of the demised premises are damaged by the occurrence of any such risks to the extent that Lessee is unable to use any such part as herein provided, and such portion of the demised premises remains in such damaged condition for a period of one hundred twenty (120) consecutive days or more, Lessee, may at its option, terminate this lease by giving written notice to Lessor to that effect, which date of termination in no event shall be earlier than the expiration of the aforesaid one hundred twenty (120) day period provided Lessee has well and fully performed all its obligations hereunder up to such day of termination.

While this lease, or any extension thereof is in effect, the Lessee will use reasonable care in securing the doors and windows in the building upon the demised premises, in the event public notice is given by the United States Weather Bureau of a threatened wind storm, flood or other calamity, sufficiently in advance to permit the Lessee to take such precautions. This paragraph shall not be deemed to

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require the Lessee to supply hurricane shutters for use on such occasions; but if the Lessor should supply such hurricane shutters the Lessee will cause the same to be properly placed, at its own expense, in the event of any public notice aforesaid. However, this stipulation shall not be interpreted as imposing any liability on the Lessor for damages suffered by Lessee due to such calamities because of the failure of Lessor to supply such shutters or otherwise to provide any other type of protection.

The premiums of said insurance policies shall be paid by Lessee when due and official receipts evidencing the payment thereof on the due date shall be delivered to the Lessor by the Lessee not later than five (5) days after the due date thereof.

In the case of failure of the Lessee to pay such premium when due, the Lessor may do so in its stead and charge to Lessee whatever sums it shall have paid therefor and such sums will be paid by Lessee at the time it is obligated to pay rent for the month next following the one in which such payments were made by Lessor. The option given to the Lessor to pay the insurance premiums upon failure to do so by the Lessee, does not release the Lessee of its obligation to pay for said premiums and does not affect the right of the Lessor to rescind this lease for the default of the Lessee in the payment of said premium when due.

The Lessor and Lessee agree that Lessee shall not occupy the existing building on aforesaid Lot No. 3, nor the Lessor be required to allow Lessee to occupy said building, unless and until Lessee shall have delivered to Lessor certified copies of the aforesaid insurance policies or certificates evidencing such insurance policies, together with the receipt of the corresponding premium payments. Such policies shall contain a clause providing that the insurer shall deliver to Lessor copy of all notices sent by the insurer to Lessee at the same time that the original notice is delivered to Lessee.

Wherever the word "building" appears in this section such word shall be interpreted to include the aforesaid addition after said addition has been mutually held by the Lessor and Lessee completed and ready for occupancy by the Lessee.

Anything in this and the preceding sections of this lease to the contrary notwithstanding it shall be the obligation of Lessor up to and including the date upon which the aforesaid building addition is completed and ready for occupancy as mutually agreed between the Lessor and Lessee to carry public liability insurance for the construction of the building addition to fully protect the Lessee, its employees, licensees and business invitees from all damage and the Lessee shall not have any obligation to carry any such insurance up to and including said date. It is also understood and agreed anything in this lease to the contrary notwithstanding that up to and including such date the risk of loss by fire, hurricane and earthquake or other accidents or casualty shall be upon the Lessor and not the Lessee and that the Lessee shall not up to and including the said date have any obligation to carry any fire, hurricane, earthquake, boiler or any other kind of insurance on said building extension.

10. MINIMUM WAGES. Lessee agrees to pay for all work performed by it at the leased premises the minimum wages prescribed for such operations either by applicable Federal or Insular laws and abide by and comply with all laws and regulations applicable to the operations of the Lessee in the leased premises and to laborers and their relations to the Lessee; provided, however, that the Lessee shall not be in default hereof whenever it shall in good faith contest by appropriate proceedings the matter or issue which otherwise would constitute cause or basis for such default.

11. PUBLIC SERVICE LIABILITY. The Lessee shall pay for all potable water and electricity consumed at the demised premises at the regularly established rates therefor, during the life of this lease, or any extension thereof, as well as any other public service thereon. Any and all taxes and assessments (except beneficial assessments) assessed against the demised premises with respect to said potable water or electricity and other public services shall be paid by the Lessee; provided, however, that the Lessee shall not be in default hereof whenever it shall in good faith contest by appropriate proceedings the matter or issue which otherwise would constitute cause or basis for such default.

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12. TRANSFER OF LEASE. Lessee shall not assign, transfer or otherwise convey this lease or sublet or dispose of the demised premises, except to the parent corporation or a subsidiary or other affiliate of the Lessee without the prior written consent of the Lessor (which consent shall not be unreasonably withheld) and in no event for purposes other than the operation of an industrial plant; provided, however, that in no case shall the Lessee be relieved of its liability and obligations hereunder, unless agreed to in writing by Lessor.

13. STOPPAGE OF OPERATIONS. It is understood by the parties hereto that this lease is made by the Lessor in furtherance of the industrialization plans of the Commonwealth of Puerto Rico, and it is accordingly understood that the Lessee will use all reasonable efforts while this lease is in effect to maintain in operation upon the demised premises an industrial plant, but, nothing contained in this paragraph shall be deemed to require the Lessee to operate such plant otherwise than in accordance with sound principles of business management, or (without limiting the generality of the foregoing) to prevent the Lessee from curtailing production in such plant or from shutting down such plant or any part thereof, whenever and as often as the Lessee may, in the exercise of sound business judgment deem such action advisable. No curtailment of operations or shutdown of the plant of the Lessee in accordance with the provisions of this paragraph shall constitute a default under paragraph 19. of this contract which will enable the Lessor to terminate it, unless such plant shall have been completely shut down for a period of six (6) consecutive months. A shut-down on account of unforeseeable events or events which although foreseeable could not be prevented, or other causes beyond Lessee's control shall not constitute a breach of this agreement. Nothing in this paragraph contained shall relieve the Lessee from payment of rental during the period of any shut-downs or curtailments of operations.

14. PAYMENT OF SUMS DUE. Any sum of money which the Lessor may pay or disburse on account of the failure of the Lessee to comply with any of the terms or covenants of this lease, and all other expenses incidental thereto, shall be charged to Lessee and Lessee will immediately pay the same to the Lessor.

15. LIABILITY FOR DAMAGES TO PREMISES. All damages or injuries caused at the demised premises by reason of the installation or removal by Lessee of machinery, equipment, furniture or fixtures of any kind, shall be repaired by Lessee at its exclusive expense upon the termination of this lease whether by expiration of the term hereof or otherwise. The parties hereto agree that none of the improvements, machinery, equipment or materials of any kind brought into the demised premises shall become attached to the land but that the Lessee shall have the right to remove the same provided it shall have been removed from the premises at or before the expiration or earlier termination of this lease and further provided that the Lessee shall have repaired any damages caused by such removal prior to such expiration.

16. RECORDING. Either party hereto may elect to record this lease in the Registry of Property. In such event both parties agree to execute any necessary public deeds or contracts for said purpose. The cost and fees of the execution, copies, recording and cancellation of such deeds shall be borne by the party electing to record.

17. NOTICES. All notices herein required or permitted to be given to or served upon either party shall be in writing. Any such notice shall be sufficiently given or served if served personally or by registered mail on an officer of such party at its address set forth below, or at such other address as it shall designate in a notice to the other party:

In the case of notice to Lessor:

Puerto Rico Industrial Development Company
Post Office Box 2672
San Juan, Puerto Rico

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In the case of notice to Lessee:

General Electric Pilot Devices, Inc.
Vega Alta, Puerto Rico

This lease is exclusively between the Lessor and Lessee and their successors and assigns and is not to be construed directly or indirectly for the benefit of any third person or party.

18. WAIVER. No waiver of any condition or covenant of this lease by either party shall be deemed to imply or constitute a further waiver by such party of the same or any other condition or covenant.

19. EVENTS OF DEFAULT. The following shall be considered events of default hereunder:

a. Non-payment by Lessee of any installments of the stipulated rent thirty (30) days after notice in writing that such rent is due and unpaid has been given by Lessor to Lessee.

b. Non-compliance by Lessee with any of the terms or covenants of this lease with respect to insurance of the leased premises as provided herein and such non-compliance shall remain uncorrected for ten (10) days from notice in writing of such non-compliance has been given to Lessee by Lessor.

c. Non-compliance by Lessee with any other of the terms or covenants of this lease not otherwise provided for herein after notice in writing of such non-compliance has been given to Lessee by Lessor and the same remains uncorrected thirty (30) days thereafter.

d. Vacation, desertion or abandonment of the demised premises.

e. The levy of an attachment or other order to secure the effectiveness of judgment, or the levy of execution, upon the demised premises, or upon the lease, in any proceeding pending against the Lessee in any court of competent jurisdiction, unless such attachment, order, or execution be discharged by bond or otherwise not later than twenty (20) days counted from the date upon which Lessee shall have received notice thereof.

f. The mere filing by Lessee of a voluntary bankruptcy proceeding.

g. The filing by any creditor against the Lessee, in any court of competent jurisdiction, of any involuntary proceeding permitted under any bankruptcy statute then in force, unless the same shall have been dismissed or set aside within sixty (60) days after the date of filing thereof.

h. The issuing of an order placing the demised premises under the control or management of a trustee, liquidator or receiver, except that Lessee shall have 30 days in which to vacate or annul said order.

Upon the happening of any such event of default, and once the period of grace established in each case for the correction thereof has elapsed without such default having been corrected by Lessee to the satisfaction of the Lessor, this lease shall be automatically terminated as of the date on which the act of default occurred irrespective of the fact that the full lease term has not run in its entirety, and the Lessor may immediately reenter the demised premises and recover possession thereon without legal proceeding or through any legal proceeding available to it. The Lessee, however, shall remain liable to the Lessor for all its obligations previously due hereunder, as well as for any reasonable damage suffered by the Lessor on account of such early termination.

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All remedies given or reserved to Lessor hereunder shall be cumulative and non-exclusive of any other remedies in law or in equity which the Lessor might make use of in the exercise or in defense of its rights hereunder.

20. MATURITY OF PENDING OBLIGATION. It is hereby covenanted and agreed that in case the Lessor should declare the Lessee in default and the Lessee actually is in default in the performance of any of the terms or covenants of this lease, all other obligations of the Lessee to the Lessor of any nature whatsoever, whether or not arising out of this lease, will, at the option of the Lessor, immediately become due and payable, anything contained in any document or instrument evidencing such obligations to the contrary notwithstanding, and in case such obligation requires the performance or doing of any act or thing other than the payment of money, the performance of such obligation may be required immediately by the Lessor.

21. RESIDENT AGENT. In order that the Lessor may obtain judicial enforcement of all the obligations undertaken in this contract by the Lessee, the Lessee shall appoint and maintain at all times a bona-fide resident of San Juan, Puerto Rico to act as its representative to receive service of summons in its behalf, and notice, by registered mail, thereof, giving the name and address of such agent or representative shall be given in writing to the Lessor by the Lessee not later than ten (10) days from the effective date of this lease. In the event that the Lessee should fail to give such notice and/or to appoint such agent, or that the agent designated by the Lessee cannot be located in Puerto Rico or shall be no longer authorized to act as such, the Lessee agrees that service of summons may be made by service on the Secretary of State of the Commonwealth of Puerto Rico or any of his assistants. The Lessee further agrees that service of summons by or on behalf of the Lessor on the Secretary of State of Puerto Rico, or any of his assistants, when made as stipulated herein, shall be valid to submit the Lessee to the jurisdiction of the Courts of Justice of the Commonwealth of Puerto Rico and in this City of San Juan.

22. ARBITRATION. Any dispute or controversy which may arise between the parties hereto in the operation or other performances of the terms or covenants of this contract specified in paragraph 19. (c) hereof, may be submitted by either party hereto to the consideration of three arbitrators, one appointed by each of the contracting parties and the third one designated by the two arbitrators appointed by the parties; provided, however, that if the arbitrators appointed by the parties cannot agree on a third, then such third arbitrator shall be designated by the Senior-Judge of the Superior Court of San Juan. The parties in dispute shall submit their respective claims to these three arbitrators, whose decision by majority vote shall be final and binding upon the parties. The fees, costs and expenses of the arbitrators shall be borne by the party against whom the arbitration award is rendered, or partially by each party to the extent and in the manner to be determined by the arbitrators in the award, in the event the award is for and against each of the contesting parties. In no case shall performance under this contract be interrupted pending arbitration, except where such interruption is mutually agreed to in writing by the parties.

23. The Lessee agrees to install within sixteen (16) months after the effective date of this lease and maintain during the demised term or any extension thereof, manufacturing machinery and equipment worth on the basis of an aggregate purchase cost to General Electric Company and/or to the Lessee at least Four hundred thousand Dollars ($400,000.00) exclusive of the cost of transportation and installation thereof and exclusive of its ordinary depreciation and with capacity to provide employment for 95 persons and the Lessee shall provide necessary capital to conduct its operations on the demised premises.

24. ALTERATIONS. Lessee may make alterations, changes, additions and improvements to any building now or hereafter erected on the demised premises, provided:

a. That the same shall not lessen the value of said building as it is at the commencement of such work or change the purposes for which said building may be used;

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b. That the same shall be made in accordance with plans and specifications therefor. Such plans and specifications shall first be submitted to and approved in writing by Lessor;

c. That before commencing any such work said plans and specifications shall be filed with and approved by all municipal or other governmental departments or authorities having jurisdiction thereof, and the written consent of any mortgagee having any interest in or lien upon the demised premises shall be procured by Lessee and delivered to Lessor if required by the terms of the mortgage;

d. That Lessee shall pay the increased premium, if any, charged by the insurance companies carrying insurance policies on said building, to cover the additional risk during the course of such work.

(i) Except as otherwise provided in this lease, all such alterations, changes, additions and improvements made by Lessee shall be and become the property of Lessor.

(ii) Except as provided in this article d. or elsewhere in this lease, no building or improvements now or hereafter erected upon the premises, or any part thereof, shall be demolished, altered, added to or changed without the prior written consents of Lessor and any mortgagee.

25. It is the condition of this lease that Lessee will prosecute its request for a permit to use the existing building on aforesaid Lot No. 3 before the Planning Board of Puerto Rico with due diligence and that Lessor will cooperate fully with Lessee in its effort to obtain promptly such Use Permit. Such request shall be made within five (5) days after Lessor advises Lessee that the demised premises are ready for Use Permit Inspection. It is understood and agreed that Lessee and Lessor shall have similar obligations with respect to the aforesaid addition to said existing building to be built onLot No. 3.

26. Lessor hereby grants Lessee an option to extend this lease and the term demised for two (2) additional successive five (5) year periods upon the same terms and conditions provided that all the terms and conditions of this lease shall have been complied with, by giving written notice to the Lessor of its intention to extend the same not later than six (6) months prior to the date of the expiration of the original term or of the expiration of the first aforesaid five (5) year period as the case may be.

27. It is understood and agreed that the Lessee shall have during the demised term and during any renewal or extension thereof a right of first refusal to lease Lot No. 2 shown on the aforesaid site plan L-206-60 dated March 23, 1961, a reduction of which is attached hereto marked Exhibit "A." It is understood and agreed that this right of first refusal shall give to the Lessee a right to negotiate with the Lessor with respect to a mutually satisfactory lease covering said Lot No. 2 for the then balance of the demised term and/or of any renewal or extension thereof. The Lessor agrees that before leasing the same to any tenant other than the Lessee, Lessor shall notify the Lessee in writing that it desires to lease said Lot No. 2. Thereupon the Lessor and the Lessee shall commence negotiations. In the event that such negotiations have not resulted in a mutually satisfactory leasing arrangement within six (6) months after the Lessor has given the aforesaid written notice to the Lessee, the Lessor shall be free to lease said Lot No. 2 to another tenant.

28. The Lessor covenants that the Lessee, on paying the rent, additional rent, and on keeping, observing and performing all the other terms, covenants, conditions, provisions and agreements herein contained on the part of the Lessee

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to be kept, observed and performed, shall, during the term of this lease and during any renewal or extension thereof, peaceably and quietly, have, hold and enjoy the said premises for the said term and during any renewal or extension of this lease, subject to the terms, covenants, conditions, provisions and agreements thereof.

Attest:

Secretary

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY

By

President

Attest:

Secretary

GENERAL ELECTRIC PILOT DEVICES, INC.

By

Chairman of the Board

PRIDCO
FORM NO. 58

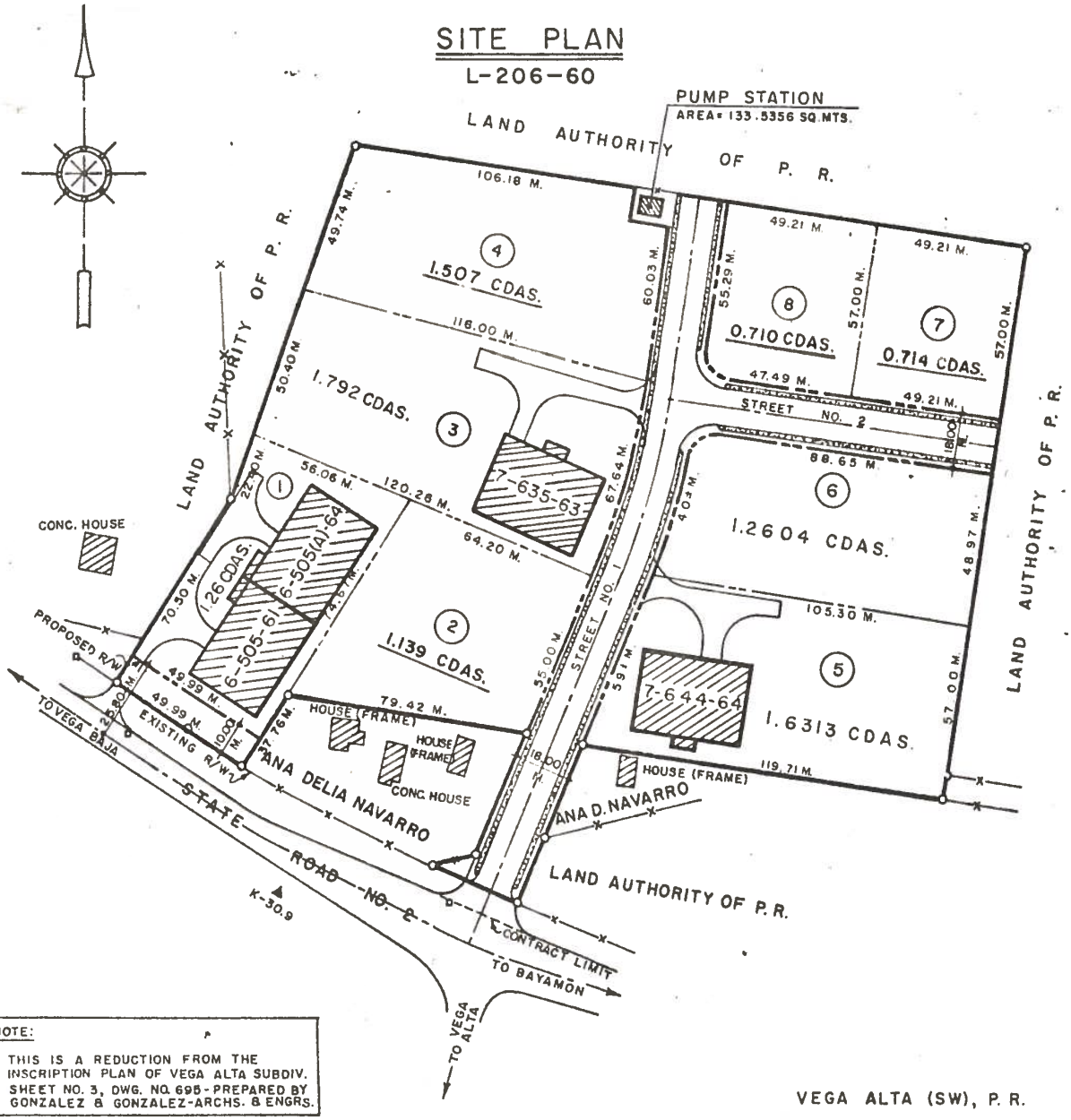
Exhibit A

MUN. VEGA ALTA
BARRIO ESPINOSA

INDUSTRIAL SITE

DATE 23 MAR 1961

NUMBER VA-



NOTE:
THIS IS A REDUCTION FROM THE INSCRIPTION PLAN OF VEGA ALTA SUBDIV. SHEET NO. 3, DWG. NO. 695 - PREPARED BY GONZALEZ & GONZALEZ-ARCHS. & ENGRS.

DRAWN
CHECKED

PRIDCO PROPERTY

VEGA ALTA (SW), P. R.
SITE NO. 163.35 - 64.70
SCALE 1: 2,000

PUERTO RICO INDUSTRIAL DEVELOPMENT CO. – PLANNING DEPT. – SAN JUAN, P. R.

K+E TORENE 177 T.M. TRACING PAPER 60284

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EXHIBIT "B"

DESCRIPTION OF BUILDING "Q-1A" - Project No. 7-635-63
at Vega Alta, P.R.

This is a pitched roof type building consisting of reinforced concrete foundations, columns, and girders supporting 30 feet long pacadar joists which in turn support prestressed concrete slabs (poretes), covered by 1/2" fiberglass insulation and a 3 ply built-up roofing. This building has no monitors but roof ventilators are provided.

The structure consists of a main floor 121'-0" x 92'-4" out to out dimensions with an area of 11,171.93 sq.ft. of manufacturing space; and a lean-to 31'-0" x 10'-6" for an area of 325.50 sq.ft. This amounts to an approximate total area of 11,497.43 sq.ft. of covered floor space.

The floor consists of a 3½" thick reinforced concrete slab with a monolithic cement finish everywhere.

Exterior walls are of concrete blocks plastered and painted on both sides; except on the front wall which is plastered and painted together with a rectangular pattern finish on plaster next to main entrance and to left and right side edges of wall.

Interior walls at the lean-to are plastered and painted together with a 5'-0" high sprayed-on glazed finish wainscoat.

Ceiling is rubbed throughout the building, and painted at lean-to.

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Windows are miami louvers throughout the building.

Doors are made of plywood, except for one flush metal double swing door at the main entrance; a similar door equipped with antipanic hardware set at the right side wall, and one double sliding door at the loading entrance.

Clearance in the manufacturing area from finish floor to lowest part of beams at the side eaves is 12'-0" and 12'-11 1/4" at the highest point of the building.

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EXHIBIT "C"

As provided on Page 2 of the lease between General Electric Pilot Devices, Inc. and Puerto Rico Industrial Development Co., to which this is an attachment, the Lessor will, at its expense, as soon as possible do the following:

1. Furnish and install a chain link fence around the cafeteria area as located by the Lessee.

2. Furnish and install around the boundaries of Lot No. 3 as defined in the said lease a 6-ft. high cyclone fence with three strands of barbed wire on the top with appropriate gates as desired and located by the Lessee.

3. Furnish and install around the boundaries of Lot No. 4 as defined in the said lease a 6-ft. high cyclone fence with three strands of barbed wire on the top with appropriate gates as desired and located by the Lessee.

4. Furnish and install a well house covering the well and accessories referred to in Paragraph 4. of the aforesaid lease.

5. Construct a lean-to as a part of the building addition referred to in the aforesaid lease as desired by the Lessee to house air compressors, a boiler and other equipment.

6. Cut holes as desired in the roof of the existing building on Lot No. 3 referred to in said lease and provide for holes in the building extension referred to in said lease, all for air conditioning.

7. Furnish and install two poles and luminaires and install the same on the boundary between Lots No. 3 and No. 4 referred to in the aforesaid lease to illuminate said lots and to install lighting on the rear of the building extension referred to in the attached lease to illuminate the rear thereof.

8. Compact a portion of the land adjacent to the rear of the building presently existing on Lot No. 3 referred to in the attached lease 20 ft. by 20 ft. in dimension as desired by the Lessee and build thereon a 12" concrete slab.

9. Build a sidewalk from the front entry of the existing building on Lot No. 3 referred to in the attached lease to a guardhouse to be built by the Lessee at Lessee's expense (except for the concrete slab 10 ft. by 10 ft. upon which site the guardhouse will rest which will be laid by the Lessor at Lessor's expense) on the front of said Lot No. 3 adjacent to the fence which is to be built around the boundaries thereof.

10. Grade approximately 15,000 sq. ft. of land in Lot No. 4 for a parking area as desired by the Lessee.

11. Build a ramp from the loading platform to be built in the rear of the building extension referred to in the attached lease as desired by the Lessee.

12. Plastic in the window apertures in the existing building on Lot No. 3 referred to in the attached lease upon request of Lessee.

PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY
SAN JUAN, PUERTO RICO

CERTIFICATE OF ACCEPTANCE ON FULL OCCUPANCY

It is hereby certified that the PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY, hereafter called the Landlord and General Electric Pilot Devices, Inc., hereafter called the Tenant have agreed regarding the full occupancy of Factory Building No. 7-635-63, located at Vega Alta, Puerto Rico, as follows:

1. The Tenant accepts the aforementioned building for full occupancy, except for those items specified in Exhibit C to lease dated June 20, 1966 between the Landlord and the Tenant to be constructed thereat; it being understood that the West wall of the Building shall only be removed as provided in the aforesaid lease.

2. The Tenant may occupy said Factory Building rent free from June 15, 1966 to and including June 30, 1966. Thereafter the Tenant shall pay rent pursuant to the aforesaid lease dated June 20, 1966.

As evidence of their agreement, the Landlord and the Tenant hereby sign this document on this 20th day of June, 1966.

GENERAL ELECTRIC PILOT DEVICES, INC.

by: _____ Chairman of the Board

PUERTO RICO INDUSTRIAL DEVELOPMENT CO.

by: _____