1C

6981 North Park Drive, Suite 401 East, Pennsauken, NJ 08109 (609) 663-0440

Hart Engineers, Inc.

9/2/87

ENVIRONMENTAL PROTECTION AGENCY, REGION II NEW YORK, N.Y.

7 SEP 16 PM 4:03

RMTS ADMINISTRATION BRANCH

HART

New York, NY
Washington, DC
Pittsburgh, PA
Albany, NY
Cherry Hill, NJ
Meriden, CT
Irvine, CA
Detroit, MI

September 9, 1987

U.S. Environmental Protection Agency
Region 2
26 Federal Plaza
New York, NY 10278

ATTN: Mr. John Gorman
Hazardous Waste Facilities Branch

Re: PROTECO Facility, Penuelas,
Puerto Rico
Revised Part A Application

Dear Mr. Gorman:

Enclosed please find four copies of a revised Part A Application being filed as requested by PROTECO. This Part A covers the interim status units and reflects a revised mailing address for PROTECO and a correction indicating the correct legal owner. Due to a previous misunderstanding, Compania Ganadera del Sur, Inc, the land owner was incorrectly listed as facility owner. This Part A correctly indicates that PROTECO is the facility owner.

We assume that the proposed Part A which is part of the Part B Application package will be updated at the time of final permitting; we propose to make similar changes on that document during final permitting.

Should you have any questions, do not hesitate to call.

Very truly yours,

HART ENGINEERS, INC.

Gary R. Brown

Gary R. Brown, P.E.
Vice President

GRB/rmc
(PRTEC003)

Enclosures
cc: Mr. Barry Tornick, Chief, Caribbean Facilities Section
Dr. J. Fernandez, E. Negron

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

# GENERAL INFORMATION

*Consolidated Permits Program*

*(Read the "General Instructions" before starting.)*

I. EPA I.D. NUMBER

F PR0091018622

LABEL ITEMS

I. EPA 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, a it in the designated space. Review the info ation carefully; if any of it is incorrect, c through it and enter the correct data in appropriate fill—in area below. Also, if any the preprinted data is absent *(the area to left of the label space lists the informat that should appear)*, please provide it in proper fill—in area(s) below. If the labe complete and correct, you need not comp Items I, III, V, and VI *(except VI-B wh must be completed regardless)*. Complete items if no label has been provided. Refe the instructions for detailed item desc tions and for the legal authorizations u 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 an 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 colum 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 activit 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 | |
| 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 | |
| E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3) | X | | 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 | |
| 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 | |

| SPECIFIC QUESTIONS | MARK "X" YES | NO | FORM ATTACHED |
|---|---|---|---|
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 PROTECCION TECNICA ECOLOGICA INC.

## IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)

2 DR JORGE FERNANDEZ

B. PHONE (area code & no.)

809 721 4382

## V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 614 HIPODROMO AVE

B. CITY OR TOWN

4 SANTURCE

C. STATE PR

D. ZIP CODE 00909

## VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 ROAD 385 Km35

B. COUNTY NAME

TALLABOA

C. CITY OR TOWN

6 PENUELAS

D. STATE PR

E. ZIP CODE 00724

F. COUNTY CODE (if known)

CONTINUE ON RE

| A. FIRST | | B. SECOND | |
|---|---|---|---|
| 3 9 9 | (specify) Business Service (NEC) Waste Disposal | C 7 8 8 9 9 | (specify) Service (NEC) Landfill |
| **C. THIRD** | | **D. FOURTH** | |
| | (specify) | C 7 | (specify) |

## OPERATOR INFORMATION

A. NAME: PROTECCION TECNICA ECOLOGICA INC.

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

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.): C A 809 837 2211

E. STREET OR P.O. BOX: ROAD 385 Km 35

F. CITY OR TOWN: PENEULAS

G. STATE: PR

H. ZIP CODE: 00731

IX. INDIAN LAND: Is the facility located on Indian lands? [ ] YES [X] NO

## EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)

B. UIC (Underground Injection of Fluids)

C. RCRA (Hazardous Wastes)

D. PSD (Air Emissions from Proposed Sources): C T I 9 P

E. OTHER (specify): RSP #5 — (specify) Environmental Quality Board

E. OTHER (specify): 75-12-19-56 — (specify) Puerto Rico Planning Board

## 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.

## NATURE OF BUSINESS (provide a brief description)

Treatment, storage and disposal of hazardous and non-hazardous waste from various manufacturing plants in Puerto Rico.

## XI. 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 |
|---|---|---|
| Jorge J. Fernandez, President | Jorge J. Fernandez | 9/2/87 |

## COMMENTS FOR OFFICIAL USE ONLY

RCRA

EPA

# HAZARDOUS WASTE PERMIT APPLICATION

*Consolidated Permits Program*

*(This information is required under Section 3005 of RCRA.)*

F | P R D 0 9 1 0 1 0 0 2 2

## 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 o 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 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 FACILITI PROVIDE THE DAT *(yr., mo., & day)* OPE TION BEGAN OR IS EXPECTED TO BEG

| 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 fo 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, th 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 |
|---|---|
| GALLONS | G |
| LITERS | L |
| CUBIC YARDS | Y |
| CUBIC METERS | C |
| GALLONS PER DAY | U |

| UNIT OF MEASURE | UNIT OF MEASURE CODE |
|---|---|
| LITERS PER DAY | V |
| TONS PER HOUR | D |
| METRIC TONS PER HOUR | W |
| GALLONS PER HOUR | E |
| LITERS PER HOUR | H |

| UNIT OF MEASURE | UNIT OF MEASURE CODE |
|---|---|
| ACRE-FEET | A |
| HECTARE-METER | F |
| ACRES | B |
| HECTARES | Q |

**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 t 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 | I

| 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 ONL |
|---|---|---|---|---|---|---|---|---|---|
| X-1 | S 0 2 | 600 | G | | 5 | | | | |
| X-2 | T 0 3 | 20 | E | | 6 | | | | |
| 1 | S 0 4 | 100,000 (LB) | G | | 7 | | | | |
| 2 | D 8 0 | 4.72 (TI3) | A | | 8 | | | | |
| 3 | S 0 1 | 55,000 (DE) | G | | 9 | | | | |
| 4 | | | | | 10 | | | | |

ICLUDE 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 ıandle 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- ics 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 ›asis. 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.

**JNIT 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 :odes are:

| ENGLISH UNIT OF MEASURE | CODE |
|---|---|
| POUNDS | P |
| TONS | T |

| METRIC UNIT OF MEASURE | CODE |
|---|---|
| KILOGRAMS | K |
| 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.

**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.

**ITE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER** — Hazardous wastes that can be described by re 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.

**:AMPLE 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 r 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 ı 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.

| O. Z | 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 | K 0 5 4 | 900 | P | T 0 3 D 8 0 | |
| -2 | D 0 0 2 | 400 | P | T 0 3 D 8 0 | |
| -3 | D 0 0 1 | 100 | P | T 0 3 D 8 0 | |
| -4 | D 0 0 2 | | | | included with above |


CONTINUE ON PAG

DESCRIPTION OF HAZARDOUS WASTES *(continued)*

USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

Note 1: The only wastes from this list entering units LB and TI3 are from spills, spill residues and liquid decanted from the oil lagoons (LA, Unit No. 9).

EPA I.D. NO. *(enter from page 1)*

| | | | | | | | | | | | | T/A | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | R | D | 0 | 9 | 1 | 0 | 1 | 8 | 6 | 2 | 2 | | 6 |

## 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).*

## 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).*

## II. FACILITY GEOGRAPHIC LOCATION

| LATITUDE *(degrees, minutes, & seconds)* | LONGITUDE *(degrees, minutes, & seconds)* |
|---|---|
| 18 01 05 | 66 41 03 |

## III. 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.)* |
|---|---|
| Proteccion Tecnica Ecologica, Inc. | 809-721-4382 |

| 3. STREET OR P.O. BOX | 4. CITY OR TOWN | 5. ST. | 6. ZIP CODE |
|---|---|---|---|
| 614 Hipodromo Ave. | G Santurce | PR | 00909 |

## 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 |
|---|---|---|
| Jorge J. Fernandez | Jorge J. Fernández | 9/2/87 |

## 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 |
|---|---|---|
| Jorge J. Fernandez | Jorge J. Fernández | 9/2/87 |

CONTINUE ON PAGE

EPA I.D. NUMBER (enter from page 1): R D 0 9 1 0 1 8 6 2 2 T/A C: 1 — W — DUP — 2 — DUP

## IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

| 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)) |
|---|---|---|---|---|---|---|---|---|
| | D001 | 130,000 | K | S01 | S04 | | | See Note 1 |
| | D001 | 100,000 | K | S01 | S04 | | | " |
| | D002 | 2,000,000 | K | S01 | S04 | | | " |
| | D002 | 2,000,000 | K | S01 | *T01 | | | " |
| | D004 | 100 | K | S01 | *T01 | D80 | | " |
| | D006 | 300 | K | S01 | *T01 | D80 | | " |
| | D007 | 50 | K | S01 | *T01 | D80 | | " |
| | D008 | 950,000 | K | S01 | *T01 | | | " |
| | D008 | 80,000 | K | S01 | *T01 | D80 | | " |
| | D009 | 55,000 | K | S01 | *T01 | D80 | | " |
| | D010 | 200 | K | S01 | *T01 | D80 | | " |
| | D011 | 10 | K | S01 | *T01 | D80 | | " |
| | D013 | 290,000 | K | S01 | *T01 | D80 | | " |
| | F001 | 64,000 | K | S01 | *T01 | D80 | | " |
| | F002 | 17,000 | K | S01 | *T01 | D80 | | " |
| | F003 | 60,000 | K | S01 | *T01 | D80 | | " |
| | F005 | 31,000 | K | S01 | *T01 | D80 | | " |
| | F006 | 52,000 | K | S01 | *T01 | D80 | | " |
| ) | K062 | 2,000 | K | S01 | *T01 | D80 | | " |
| ) | P105 | 100 | K | S01 | *T01 | D80 | | " |
| 1 | U002 | 5,000 | K | S01 | *T01 | D80 | | " |
| 2 | U019 | 5,000 | K | S01 | *T01 | D80 | | " |
| 3 | U044 | 3,000 | K | S01 | *T01 | D80 | | " |
| 4 | U080 | 4,000 | K | S01 | *T01 | D80 | | " |
| 5 | U112 | 5,000 | K | S01 | *T01 | D80 | | " |
| 6 | U122 | 1,500 | K | S01 | *T01 | D80 | | " |

CONTINUE ON RE



* Proposed Facility Not Listed in this Part A Application

A I.D. NUMBER (enter from page 1)

D091018622 T/A C 1

FOR OFFICIAL USE ONLY

S W DUP T/A C 2 DUP

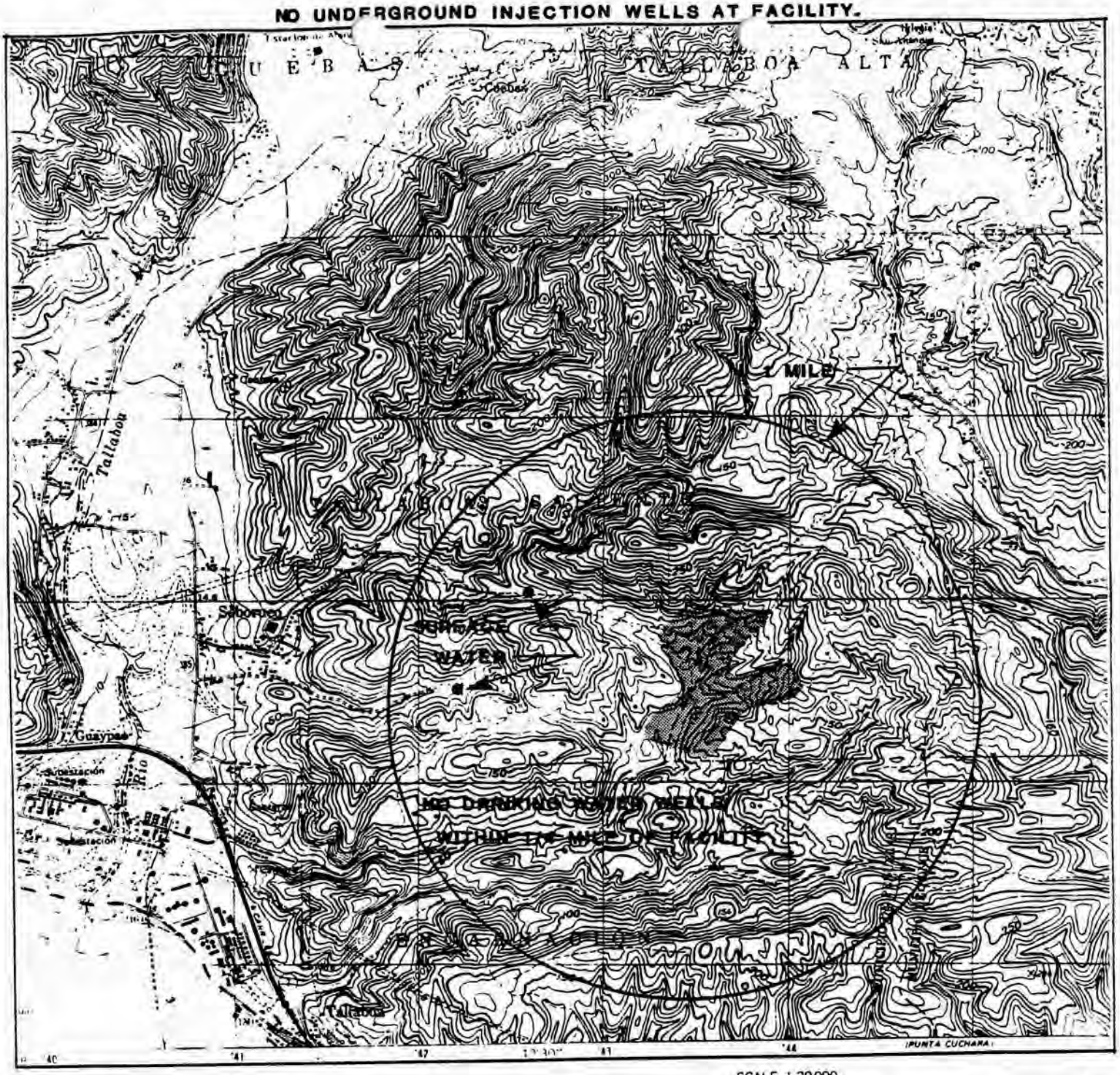
SCRIPTION OF HAZARDOUS WASTES (continued)

| 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)) |
|---|---|---|---|---|
| U188 | 5,000 | K | S01 *T01 D80 | See Note 1 |
| U138 | 500 | K | S01 *T01 D80 | " |
| U144 | 50 | K | S01 *T01 D80 | " |
| U151 | 10,000 | K | S01 *T01 D80 | " |
| U154 | 10,000 | K | S01 *T01 D80 | " |
| U201 | 50 | K | S01 *T01 D80 | " |
| U210 | 1,500 | K | S01 *T01 D80 | " |
| U220 | 5,000 | K | S01 *T01 D80 | " |
| U226 | 12,000 | K | S01 *T01 D80 | " |
| U228 | 5,000 | K | S01 *T01 D80 | " |
| U230 | 100 | K | S01 *T01 D80 | " |
| U239 | 2,000 | K | S01 *T01 D80 | " |
| U021 | 50 | K | S01 *T01 D80 | " |
| F016 | 8,000 | K | S01 *T01 D80 | " |
| F007 | 9,000 | K | S01 *T01 D80 | " |
| K052 | 2,000 | K | S01 *T01 D00 | " |

CONTINUE ON REVE

Form 3510-3 (6-80)

NO UNDERGROUND INJECTION WELLS AT FACILITY.




EXISTING FACILITY

N

PUERTO RICO

QUADRANGLE LOCATION

PEÑUELAS, P. R.

N1800—W6637 5/7 5

1972

PHOTOREVISED 198

DMA 1222 II NW-SERIES E835

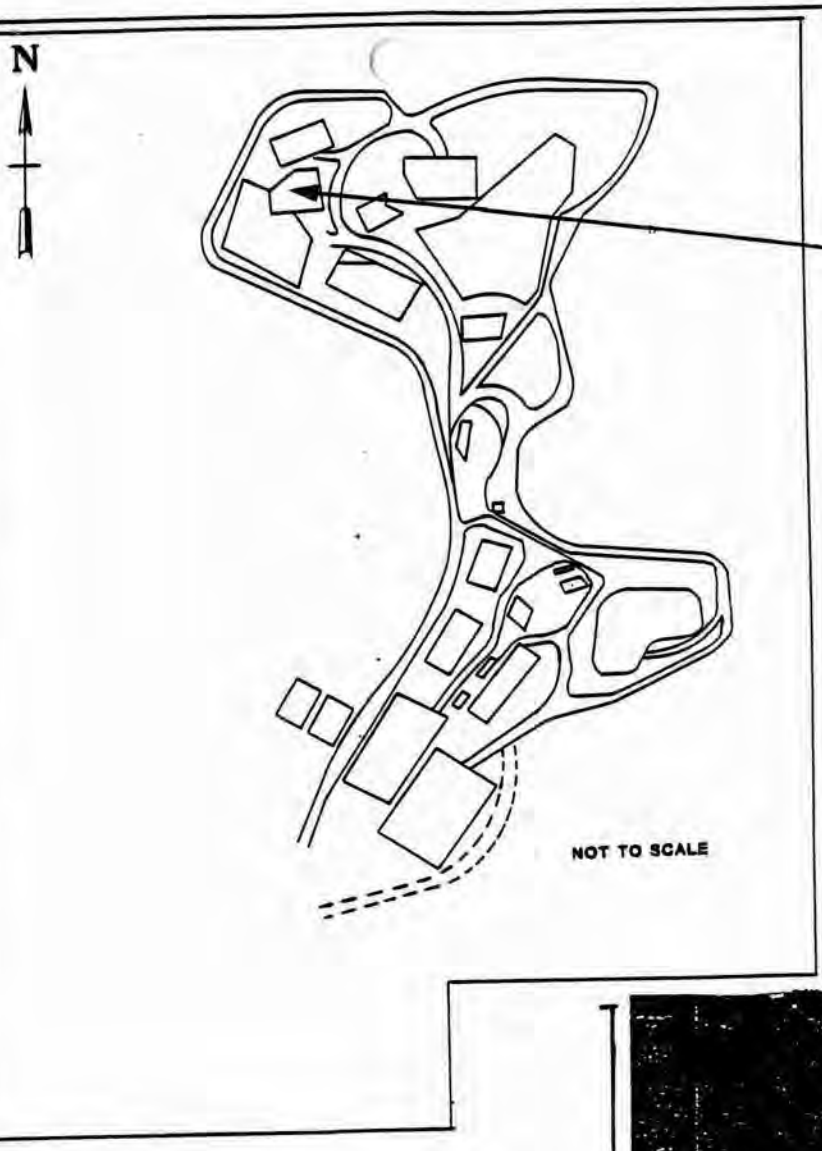
**PART A**

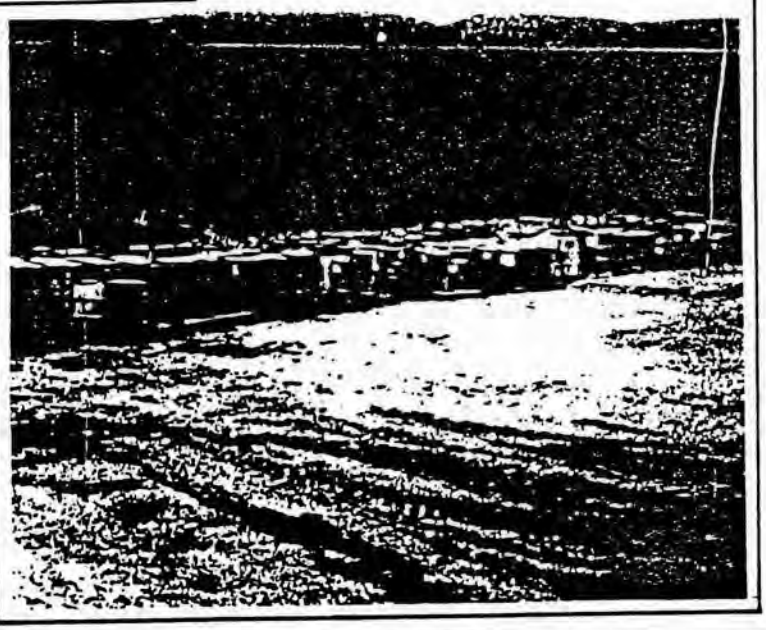
**LOCATION OF**

PROTECO

**PENUELAS, P.R.**

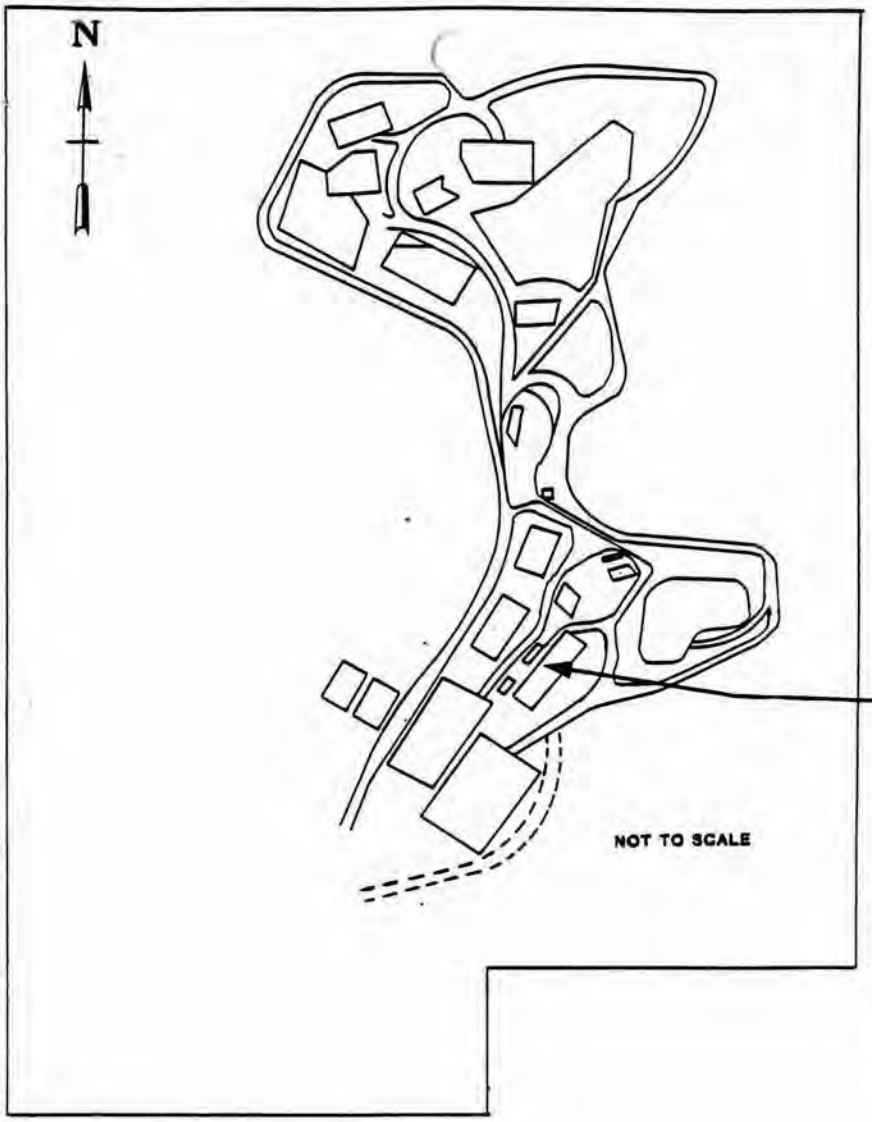
**FRED C. HART ASSOCIATES, INC.**



DRUM STORAGE AREA
(D E)
PROTECO
PENUELAS, PUERTO RICO
JULY 26, 1984

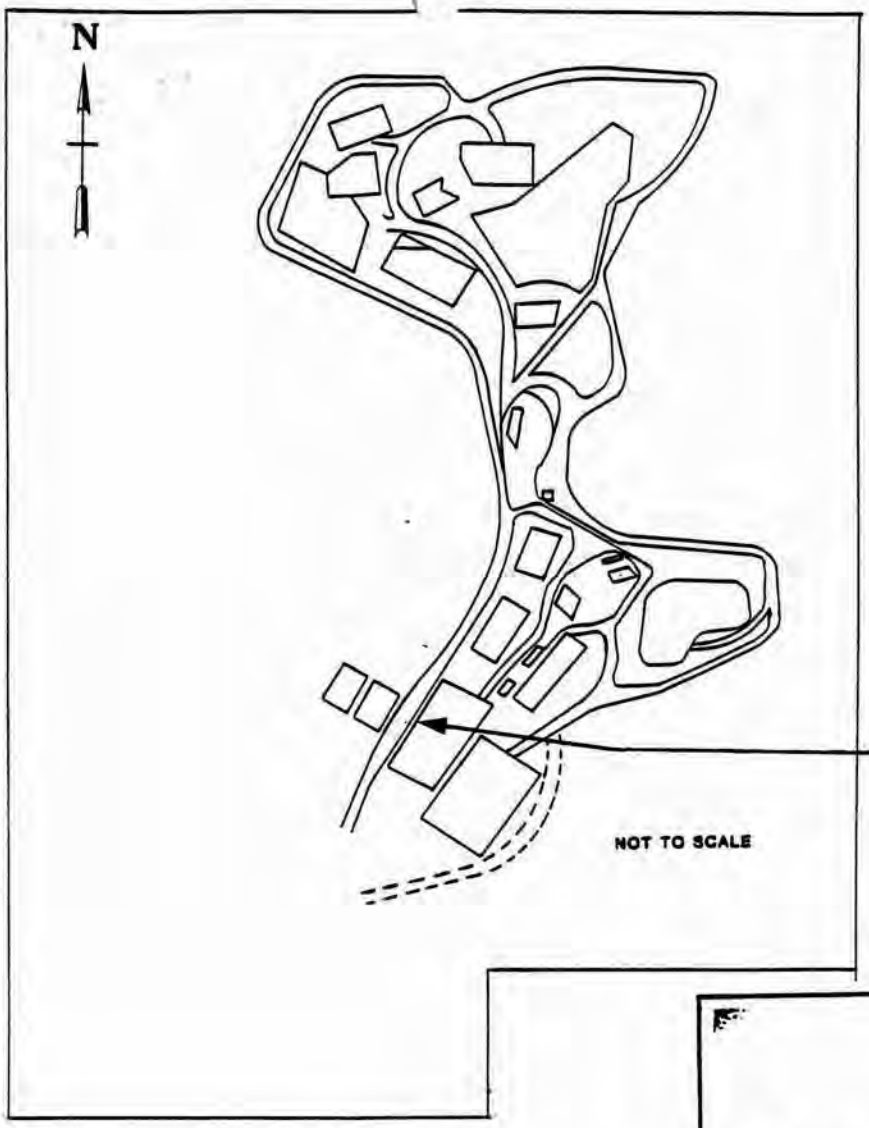
FACILITY NO: 4




LOCATION OF
RAINWATER BASIN (LB)
PROTECO FACILITY

RAINWATER BASIN
(L B)
PROTECO
PENUELAS, PUERTO RICO
JULY 26, 1984

FACILITY NO 13




LOCATION OF
IMMOBILIZATION
FACILITY (TI3)
PROTECO FACILITY

**IMMOBILIZATION FACILITY**

PROTECO

**PENUELAS, PUERTO RICO**

**JULY 26,1984**

**FACILITY NO: 16**

PROTECO
Protección Técnica Ecológica

1C

June 30, 1986

U. S. Environmental Protection Agency
Region 2
26 Federal Plaza
New York, NY 10278

Attn: Dr. Christopher Daggett, Regional Administrator
Mr. Conrad Simon, Director
Mr. Richard Walka, Chief

Re: PROTECO Facility

Gentlemen:

Enclosed please find a Revised Part A Application reflecting the current contact for the facility. As you are aware, Mr. Raúl Gayá accepted a new position some time ago, and we want to make sure that our records are correct.

To date, the job search for a replacement Technical Director has not produced a suitable candidate. However, we want to apprise you of what arrangements have been made to help assure proper operations within the context of the regulations. We have taken the following steps:

- Lebron Associates has been engaged to provide oversight services including weekly reviews of facility status. They will coordinate at both staff and management levels and provide review and advice routinely.

- The laboratory and compliance staff has been expanded. As shown in the attached organizational chart, a third chemist has been added. It is this group which holds primary internal responsibility for implementing and/or checking that the interim status operations are conducted properly.

- Training programs are being carefully adhered to. Several of our staff recently attended a seminar in New Jersey on spill control and response.

Firm Delivery• Ponce, Puerto Rico• 00731
Tel. 726-3032• 836-2058

June 30, 1986

We are confident that these arrangements will go a long way in assuring that our operations are carried out correctly. Lebron Associates provides substantially more in-depth expertise than we can acquire in a single person, and their key project professionals have the most in-depth and broad regulatory experience available on the Island. Should any questions arise concerning day to day operations, your staff may feel free to contact Mr. Pedro Marerro, P.E., or Mr. Jesus Medero of Lebron if I am not readily available. Maintaining regulatory contact is key to working together with the Agency as we begin to construct our new facilies of which everyone can be proud.

Thank you for your consideration.

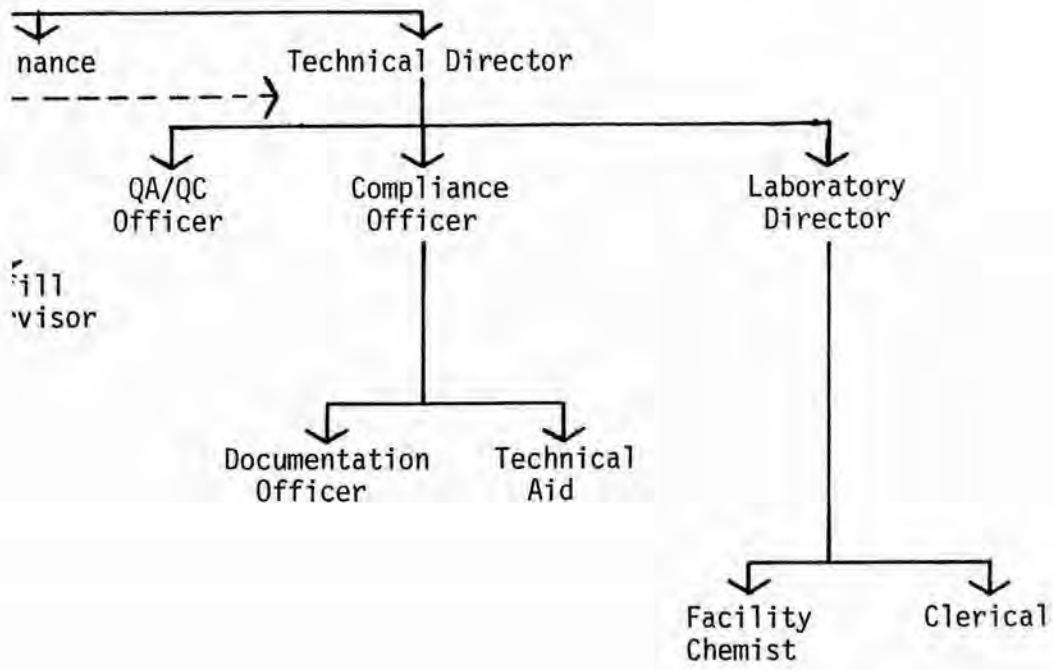
Sincerely,

Jorge J. Fernandez Pabón
President

JJF/dmg

cc:Mr. J. Gorman (w Part A)
Mr. B. Tornic

PROTECO
Protección Técnica Ecológica


nance
Technical Director
QA/QC Officer
Compliance Officer
Laboratory Director
ill
visor
Documentation Officer
Technical Aid
Facility Chemist
Clerical

Please print or type in the unshaded areas only
*(fill-in areas are spaced for elite type, i.e., 12 characters/inch).*

*Form Approved OMB No. 158-R0175*

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

# GENERAL INFORMATION

*Consolidated Permits Program*
*(Read the "General Instructions" before starting.)*

I. EPA I.D. NUMBER: F PR009101862 2 D

LABEL ITEMS

I. EPA 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, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the 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 not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under 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 | 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 | |
| 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 | |
| E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3) | X | | 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 | |
| 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 | |

| SPECIFIC QUESTIONS | MARK 'X' YES | NO | FORM ATTACHED |
|---|---|---|---|
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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: PROTECCION TECNICA ECOLOGICA INC.

## IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title): 2 F RNANDEZ, JORGE PRESIDENT

B. PHONE (area code & no.): 809 836 2058

## V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 FIRM DELIVERY

B. CITY OR TOWN: 4 PONCE

C. STATE: PR

D. ZIP CODE: 00731

## VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 ROAD 385 Km35

B. COUNTY NAME: TALLABOA

C. CITY OR TOWN: 6 PENUELAS

D. STATE: PR

E. ZIP CODE: 00724

F. COUNTY CODE (if known):

CONTINUED FROM THE FRONT

## VII. SIC CODES (4-digit, in order of priority)

| A. FIRST | B. SECOND |
|---|---|
| 7399 (specify) Business Service (NEC) Waste Disposal | 8899 (specify) Service (NEC) Landfill |
| **C. THIRD** | **D. FOURTH** |
| (specify) | (specify) |

## VIII. OPERATOR INFORMATION

**A. NAME**: PROTECCION TECNICA ECOLOGICA INC.

**B. Is the name listed in Item VIII-A also the owner?** [X] YES [ ] NO

**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 2211

**E. STREET OR P.O. BOX**: ROAD 385 Km 35

**F. CITY OR TOWN**: PENEULAS **G. STATE**: PR **H. ZIP CODE**: 00731

## IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

## X. EXISTING ENVIRONMENTAL PERMITS

| | |
|---|---|
| **A. NPDES** (Discharges to Surface Water): N | **D. PSD** (Air Emissions from Proposed Sources): P |
| **B. UIC** (Underground Injection of Fluids): U | **E. OTHER** (specify): RSP #5 (specify) Quality Board |
| **C. RCRA** (Hazardous Wastes): R | **E. OTHER** (specify): 75-12-19-56 (specify) Puerto Rico Planning Board |

## 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.

## XII. NATURE OF BUSINESS (provide a brief description)

Treatment, storage and disposal of hazardous and non-hazardous waste from various manufacturing plants in Puerto Rico.

## 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 |
|---|---|---|
| Jorge J. Fernandez, President | Jorge J. Fernandez Rodríguez | 6/26/86 |

**COMMENTS FOR OFFICIAL USE ONLY**

C

## III. PROCESSES *(continued)*

C. SPACE FOR ADDITIONAL PROCESS CODES OR 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

(Tint—in areas are spaced for elite type, i.e., 12 characters/inch). Form Approved. OMB No. 158-S80-0004

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**

| S | | | | | | | | | | | | T/A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | P | R | D | 0 | 9 | 1 | 0 | 1 | 8 | 5 | 2 | 2 |

1 2 - 13 14

**FOR OFFICIAL USE ONLY**

| APPLICATION APPROVED | DATE RECEIVED (yr., mo., & day) | COMMENTS |
|---|---|---|
| 23 | 24 - 29 | |

## 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 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.)* 71

C 8 — YR. 73 74 | MO. 75 76 | DAY 77 78 — 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 below.)* 71

YR. 73 74 | MO. 75 76 | DAY 77 78 — FOR NEW FACILITIE PROVIDE THE DATE (yr., mo., & day) OPER TION BEGAN OR IS EXPECTED TO BEGI

**B. REVISED APPLICATION** *(place an "X" below and complete Item I above)*

☒ 1. FACILITY HAS INTERIM STATUS 72

☐ 2. FACILITY HAS A RCRA PERMIT 72

## 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, ther 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 | B |
| 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.

| S | | T/A | C |
|---|---|---|---|
| C | DUP | | 1 |

1 2 - 13 14 15

| LINE NUMBER | A. PROCESS CODE (from list above) | B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify) | B. 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. 2. UNIT OF MEASURE (enter code) | FOR OFFICIAL USE ONLY |
|---|---|---|---|---|---|---|---|---|---|
| | 16 - 18 | 19 - 27 | 28 | 29 - 32 | | 16 - 18 | 19 - 27 | 28 | 29 - |
| X-1 | S 0 2 | 600 | G | | 5 | | | | |
| X-2 | T 0 3 | 20 | E | | 6 | | | | |
| 1 | S 0 4 | 100,000 (LB) | G | | 7 | | | | |
| 2 | D 8 0 | 4.72 (TI3) | A | | 8 | | | | |
| 3 | S 0 1 | 55,000 (DE) | G | | 9 | | | | |
| 4 | | | | | 10 | | | | |

EPA I.D. NUMBER (enter from page 1): P R D 0 9 1 0 1 8 6 2 2 — T/A C: 1

FOR OFFICIAL USE ONLY: W — DUP — T/A C: 2 — DUP

## C. 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 | D001 | 130,000 | K | S01 | S04 | | | See Note 1 |
| 2 | D001 | 100,000 | K | S01 | S04 | | | " |
| 3 | D002 | 2,000,000 | K | S01 | S04 | | | " |
| 4 | D002 | 2,000,000 | K | S01 | *T01 | | | " |
| 5 | D004 | 100 | K | S01 | *T01 | D80 | | " |
| 6 | D006 | 300 | K | S01 | *T01 | D80 | | " |
| 7 | D007 | 50 | K | S01 | *T01 | D80 | | " |
| 8 | D008 | 950,000 | K | S01 | *T01 | | | " |
| 9 | D008 | 80,000 | K | S01 | *T01 | D80 | | " |
| 10 | D009 | 55,000 | K | S01 | *T01 | D80 | | " |
| 11 | D010 | 200 | K | S01 | *T01 | D80 | | " |
| 12 | D011 | 10 | K | S01 | *T01 | D80 | | " |
| 13 | D013 | 290,000 | K | S01 | *T01 | D80 | | " |
| 14 | F001 | 64,000 | K | S01 | *T01 | D80 | | " |
| 15 | F002 | 17,000 | K | S01 | *T01 | D80 | | " |
| 16 | F003 | 60,000 | K | S01 | *T01 | D80 | | " |
| 17 | F005 | 31,000 | K | S01 | *T01 | D80 | | " |
| 18 | F006 | 52,000 | K | S01 | *T01 | D80 | | " |
| 19 | K062 | 2,000 | K | S01 | *T01 | D80 | | " |
| 20 | P105 | 100 | K | S01 | *T01 | D80 | | " |
| 21 | U002 | 5,000 | K | S01 | *T01 | D80 | | " |
| 22 | U019 | 5,000 | K | S01 | *T01 | D80 | | " |
| 23 | U044 | 3,000 | K | S01 | *T01 | D80 | | " |
| 24 | U080 | 4,000 | K | S01 | *T01 | D80 | | " |
| 25 | U112 | 5,000 | K | S01 | *T01 | D80 | | " |
| 26 | U122 | 1,500 | K | ~~S01~~ | ~~*T01~~ | ~~D80~~ | | " |

CONTINUE ON REV

EPA Form 3510-3 (6-80) * Proposed Facility Not Listed in this Part A Application

TE: Photocopy this page before completing if you have more than 26 wastes to list. Form Approved OMB No. 158-[illegible]

| EPA I.D. NUMBER (enter from page 1) | | FOR OFFICIAL USE ONLY | | |
|---|---|---|---|---|
| PRD091018622 | T/A C 1 | S W DUP | T/A C 2 | DUP |

## . DESCRIPTION OF HAZARDOUS WASTES (continued)

| 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)) |
|---|---|---|---|---|---|
| | U188 | 5,000 | K | S01 *T01 D80 | See Note 1 |
| 2 | U138 | 500 | K | S01 *T01 D80 | " |
| 3 | U144 | 50 | K | S01 *T01 D80 | " |
| 4 | U151 | 10,000 | K | S01 *T01 D80 | " |
| 5 | U154 | 10,000 | K | S01 *T01 D80 | " |
| 6 | U201 | 50 | K | S01 *T01 D80 | " |
| 7 | U210 | 1,500 | K | S01 *T01 D80 | " |
| 8 | U220 | 5,000 | K | S01 *T01 D80 | " |
| 9 | U226 | 12,000 | K | S01 *T01 D80 | " |
| 0 | U228 | 5,000 | K | S01 *T01 D80 | " |
| 1 | U230 | 100 | K | S01 *T01 D80 | " |
| 2 | U239 | 2,000 | K | S01 *T01 D80 | " |
| 3 | U021 | 50 | K | S01 *T01 D80 | " |
| 4 | F016 | 8,000 | K | S01 *T01 D80 | " |
| 5 | F007 | 9,000 | K | S01 *T01 D80 | " |
| 6 | K052 | 2,000 | K | S01 *T01 D00 | " |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |

PA Form 3510-3 (6-80)

CONTINUE ON REVERS

PAGE 3 B OF 5

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

Continued from the front.

## IV. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

**E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.**

Note 1: The only wastes from this list entering units LB and TI3 are from spills, spill residues and liquid decanted from the oil lagoons (LA, Unit No. 9).

**EPA I.D. NO.** *(enter from page 1)*

| S | | | | | | | | | | | | | T/A | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | P | R | D | 0 | 9 | 1 | 0 | 1 | 8 | 6 | 2 | 2 | | 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 01 05 | 66 41 03 |

## 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 Compania Ganadera del Sur, Inc. | 801-836-1086 |

| 3. STREET OR P.O. BOX | 4. CITY OR TOWN | 5. ST. | 6. ZIP CODE |
|---|---|---|---|
| F Firm Delivery | G Ponce | PR | 00731 |

## 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 |
|---|---|---|
| Lucas P. Valdivieso | | |

## X. OPERATOR CERTIFICATION

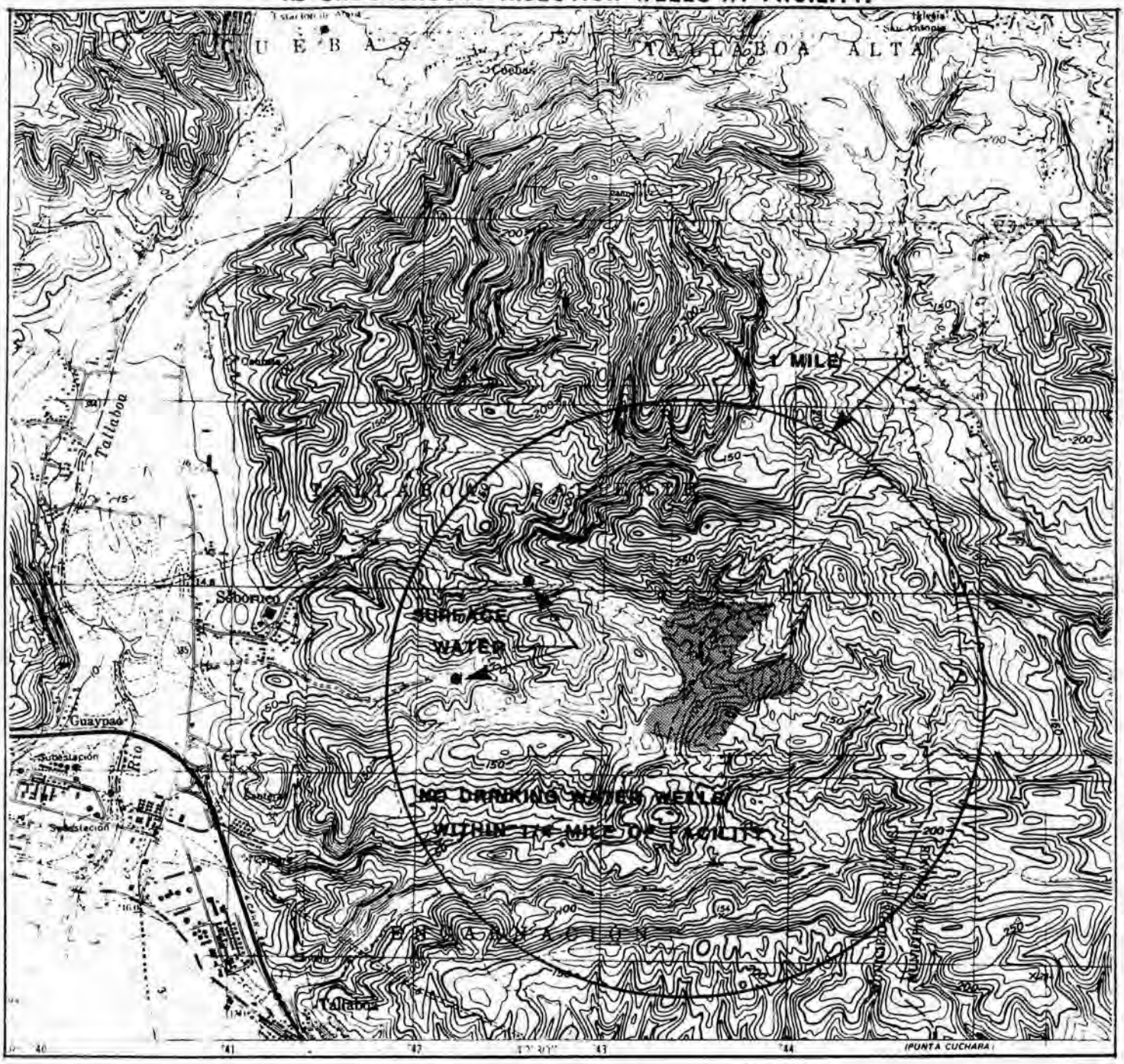
*I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, 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 |
|---|---|---|
| Jorge J. Fernandez | | November 27, 1985 |



CONTINUE ON PAGE

**NO UNDERGROUND INJECTION WELLS AT FACILITY.**




**EXISTING FACILITY**

SCALE 1:20000

N

PUERTO RICO

QUADRANGLE LOCATION

PEÑUELAS, P. R.

N1800—W6637.5/7.5

1972

PHOTOREVISED 198.

DMA 1222 II NW-SERIES E835

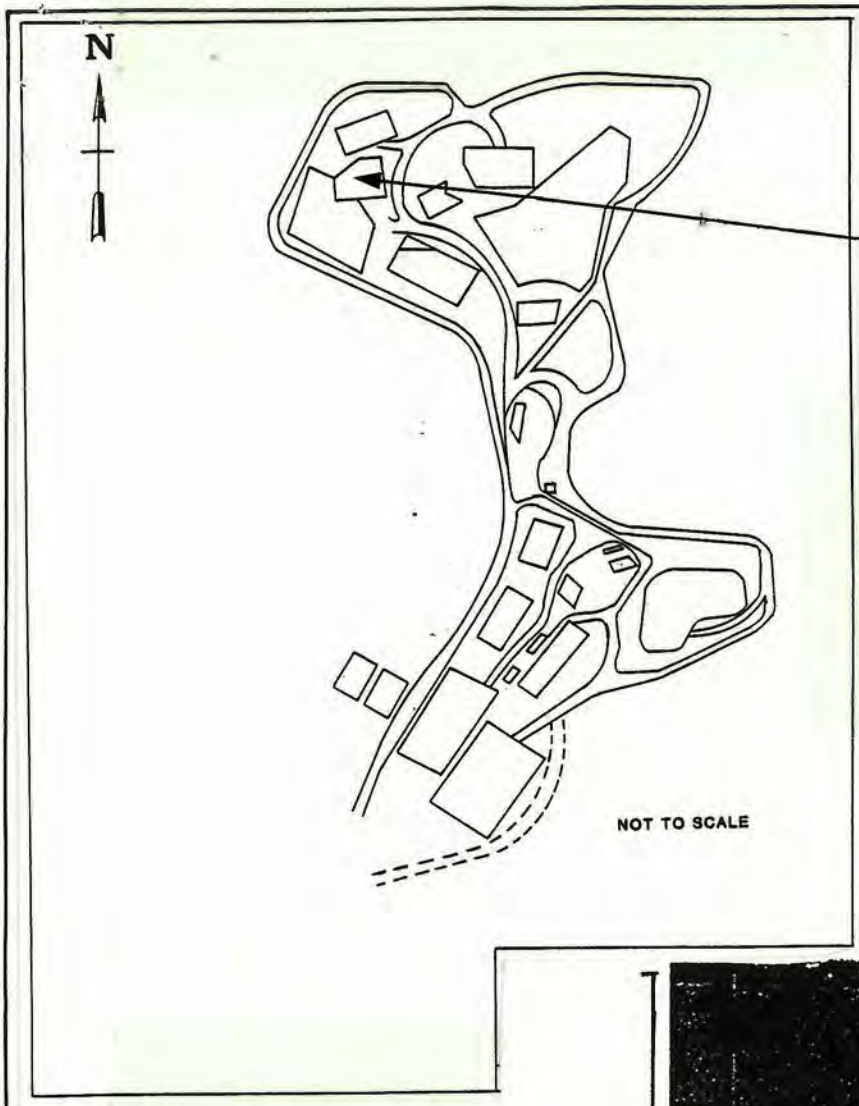
**PART A**

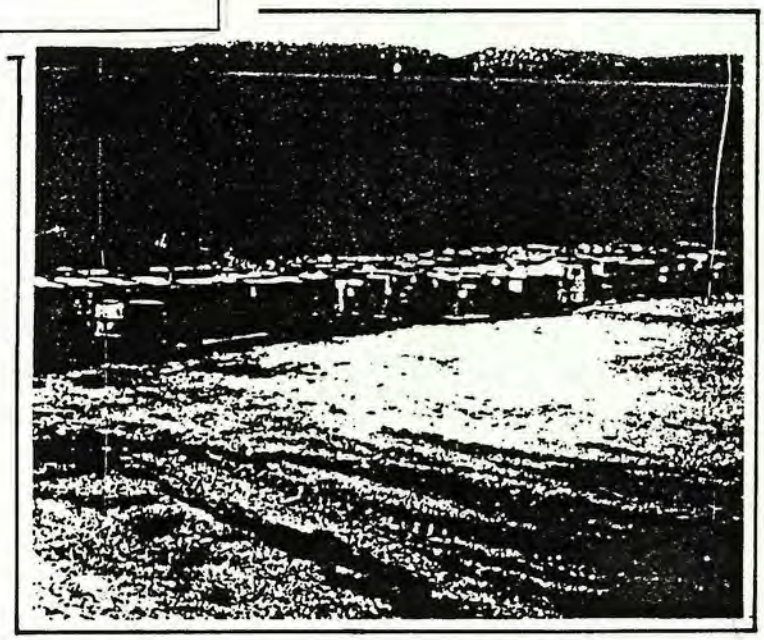
**LOCATION OF**

**SERVICIOS CARBAREON, INC.**

**PENUELAS, P.R.**

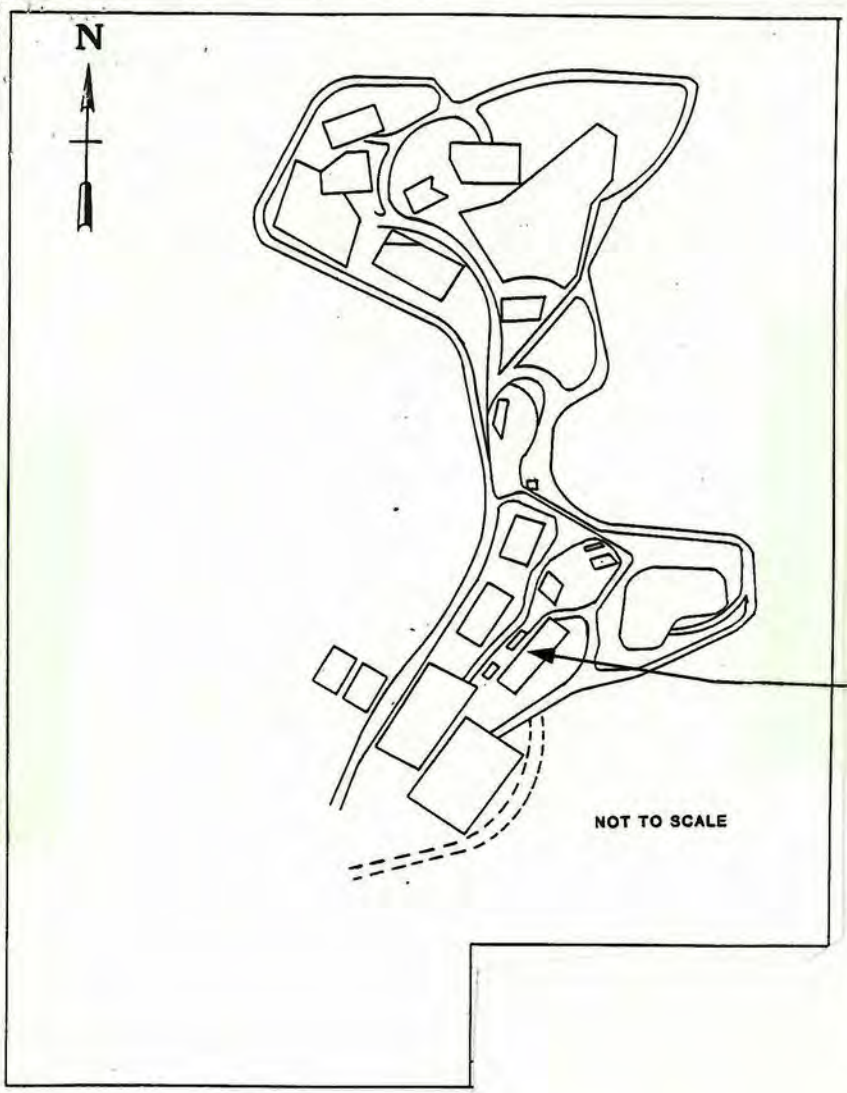
**FRED C. HART ASSOCIATES, INC.**



DRUM STORAGE AREA
(D E)
PROTECO
PENUELAS, PUERTO RICO
JULY 26, 1984

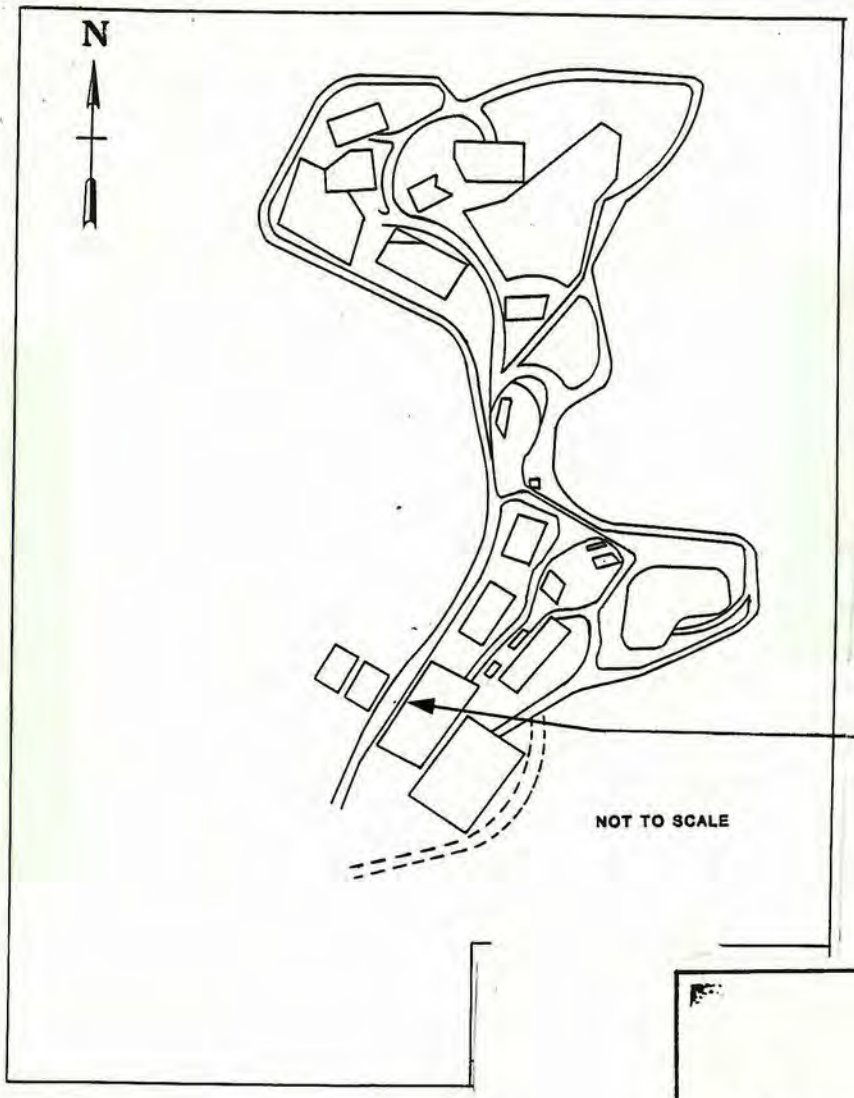
FACILITY NO: 4



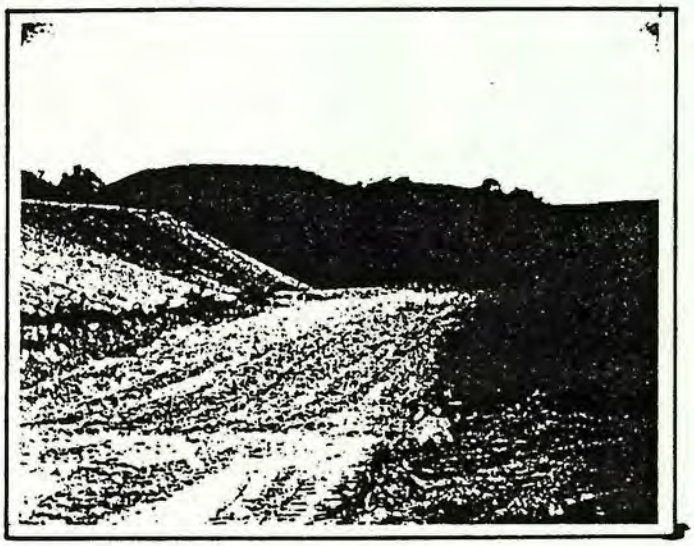

LOCATION OF
RAINWATER BASIN (LB)
PROTECO FACILITY

RAINWATER BASIN
(L B)
PROTECO
PENUELAS, PUERTO RICO
JULY 26, 1984

FACILITY NO 13




LOCATION OF
IMMOBILIZATION
FACILITY (TI3)
PROTECO FACILITY



**IMMOBILIZATION FACILITY**

**PROTECO**
**PENUELAS, PUERTO RICO**
**JULY 26,1984**

**FACILITY NO: 16**

(fill-in areas are spaced for elite type, i.e., 12 characters/inch) 4-1-86 Form Approved OMB No. 158-R0115

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

# GENERAL INFORMATION

*Consolidated Permits Program*

*(Read the "General Instructions" before starting.)*

I. EPA I.D. NUMBER: F 1C

LABEL ITEMS

I. EPA 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, at it in the designated space. Review the info ation carefully; if any of it is incorrect, cr through it and enter the correct data in appropriate fill-in area below. Also, if any the preprinted data is absent *(the area to left of the label space lists the informati that should appear)*, please provide it in proper fill-in area(s) below. If the label complete and correct, you need not compl Items I, III, V, and VI *(except VI-B wh must be completed regardless)*. Complete items if no label has been provided. Refer the instructions for detailed item descr tions and for the legal authorizations unc 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 | NO | FORM ATTACHED | 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 | | 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 PROTECCION TECNICA ECOLOGICA, INC.

## IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*: 2 GAYA RAUL DIRECTOR OF OPERATIONS

B. PHONE *(area code & no.)*:

## V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 FIRM DELIVERY

B. CITY OR TOWN: 4 PONCE

C. STATE: PR

D. ZIP CODE: 00731

## VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 ROAD 385 KM 35

B. COUNTY NAME: TALLABOA

C. CITY OR TOWN: 6 PENUELAS

D. STATE: PR

E. ZIP CODE: 00724

F. COUNTY CODE *(if known)*:



CONTINUE ON REVE

VII. SIC CODES (4 digits, in order of priority)

| A. FIRST | B. SECOND |
|---|---|
| 7 7399 (specify) Business Service (NEC) Waste Disposal | 7 8899 (specify) Service (NEC) Landfill |
| **C. THIRD** | **D. FOURTH** |
| 7 (specify) | 7 (specify) |

## VIII. OPERATOR INFORMATION

**A. NAME**: 8 PROTECCION TECNICA ECOLOGICA, INC.

**B.** Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

**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 2211

**E. STREET OR P.O. BOX**: ROAD 385 Km 35

**F. CITY OR TOWN**: B PENEULAS

**G. STATE**: PR

**H. ZIP CODE**: 00731

## IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] 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 RSP # 5 (specify) PUERTO RICO ENVIRONMENTAL QUALITY BOARD |
| C. RCRA (Hazardous Wastes): 9 R | E. OTHER (specify): 9 75-12-19-56 (specify) Puerto Rico Planning Board |

## 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)

Treatment, storage and disposal of hazardous and non-hazardous waste from various manufacturing plants and government in Puerto Rico.

## 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 |
|---|---|---|
| Jorge J. Fernandez, President | Jorge J. Fernández Porto | 4-1-86 |

**COMMENTS FOR OFFICIAL USE ONLY**

C

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 1 0 1 8 6 2 2

**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.)*

C 8 — YR. MO. DAY — 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 below.)*

YR. MO. DAY — FOR NEW FACILITIES PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

**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 |
|---|---|
| GALLONS | G |
| LITERS | L |
| CUBIC YARDS | Y |
| CUBIC METERS | C |
| GALLONS PER DAY | U |
| LITERS PER DAY | V |
| TONS PER HOUR | D |
| METRIC TONS PER HOUR | W |
| GALLONS PER HOUR | E |
| LITERS PER HOUR | H |
| ACRE-FEET | A |
| HECTARE-METER | F |
| ACRES | B |
| HECTARES | Q |

**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 — T/A: I

| LINE NUMBER | A. PROCESS CODE (from list above) | B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify) | 2. UNIT OF MEASURE (enter code) | FOR OFFICIAL USE ONLY |
|---|---|---|---|---|
| X-1 | S 0 2 | 600 | G | |
| X-2 | T 0 3 | 20 | E | |
| 1 | T 0 1 | 20,000 | U | |
| 2 | S 0 1 | 84,480 | G | |
| 3 | S 0 2 | 164,000 | G | |
| 4 | T 0 2 | 10,000 | U | |
| 5 | T 0 4 | 216 CY/ DAY | | |
| 6 | D 8 0 | 620 | A | |
| 7 | S 0 4 | 289,500 | G | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

EPA Form 3510-3 (6-80)



CONTINUE ON REVERSE

## III. PROCESSES *continued*

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (CODE T04 FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY

T 04 Stabilization/fixation process (216 CY/DAY Output Rating)

## 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

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-180004

| EPA I.D. NUMBER (enter from page 1) | T/A | C |
|---|---|---|
| WPRD091018622 2 | | 1 |

| FOR OFFICIAL USE ONLY | T/A | C | |
|---|---|---|---|
| W DUP | | 2 | DUP |

## IV. 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 | D001 | 100 | K | S01 S02 T04 D80* | |
| 2 | D002 | 100 | K | S01 S02 T04 D80* | |
| 3 | D004 | 100 | K | S01 S02 T04 D80* | |
| 4 | D005 | 100 | K | S01 S02 T04 D80* | |
| 5 | D006 | 100 | K | S01 S02 T04 D80* | |
| 6 | D007 | 100 | K | S01 S02 T04 D80* | |
| 7 | D008 | 100 | K | S01 S02 T04 D80* | |
| 8 | D009 | 100 | K | S01 S02 T04 D80* | |
| 9 | D010 | 100 | K | S01 S02 T04 D80* | |
| 10 | D011 | 100 | K | S01 S02 T04 D80* | |
| 11 | D012 | 100 | K | S01 S02 T04 D80* | |
| 12 | D013 | 100 | K | S01 S02 T04 D80* | |
| 13 | D014 | 100 | K | S01 S02 T04 D80* | |
| 14 | D015 | 100 | K | S01 S02 T04 D80* | |
| 15 | D016 | 100 | K | S01 S02 T04 D80* | |
| 16 | D017 | 100 | K | S01 S02 T04 D80* | |
| 17 | F001 | 100 | K | S01 S02 T04 D80* | |
| 18 | F002 | 100 | K | S01 S02 T04 D80* | |
| 19 | F003 | 100 | K | S01 S02 T04 D80* | |
| 20 | F004 | 100 | K | S01 S02 T04 D80* | |
| 21 | F005 | 100 | K | S01 S02 T04 D80* | |
| 22 | F006 | 100 | K | S01 S02 T04 D80* | |
| 23 | F019 | 100 | K | S01 S02 T04 D80* | |
| 24 | F024 | 100 | K | S01 S02 T04 D80* | |
| 25 | K061 | 100 | K | S01 S02 T04 D80* | |
| 26 | K062 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (8-80)

*Additionally, Process Codes of T01, T02, S04



CONTINUE ON REVERSE

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80-004

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| W P R D 0 9 1 0 1 8 6 2 2 — T/A: 1 | W DUP — T/A: 2 — DUP |

## IV. 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 | K069 | 100 | K | S01 S02 T04 D80* | |
| 2 | K100 | 100 | K | S01 S02 T04 D80* | |
| 3 | K084 | 100 | K | S01 S02 T04 D80* | |
| 4 | K101 | 100 | K | S01 S02 T04 D80* | |
| 5 | K102 | 100 | K | S01 S02 T04 D80* | |
| 6 | K086 | 100 | K | S01 S02 T04 D80* | |
| 7 | K002 | 100 | K | S01 S02 T04 D80* | |
| 8 | K003 | 100 | K | S01 S02 T04 D80* | |
| 9 | K004 | 100 | K | S01 S02 T04 D80* | |
| 10 | K005 | 100 | K | S01 S02 T04 D80* | |
| 11 | K005 | 100 | K | S01 S02 T04 D80* | |
| 12 | K006 | 100 | K | S01 S02 T04 D80* | |
| 13 | K007 | 100 | K | S01 S02 T04 D80* | |
| 14 | K008 | 100 | K | S01 S02 T04 D80* | |
| 15 | K009 | 100 | K | S01 S02 T04 D80* | |
| 16 | K010 | 100 | K | S01 S02 T04 D80* | |
| 17 | K014 | 100 | K | S01 S02 T04 D80* | |
| 18 | K015 | 100 | K | S01 S02 T04 D80* | |
| 19 | K016 | 100 | K | S01 S02 T04 D80* | |
| 20 | K017 | 100 | K | S01 S02 T04 D80* | |
| 21 | K018 | 100 | K | S01 S02 T04 D80* | |
| 22 | K019 | 100 | K | S01 S02 T04 D80* | |
| 23 | K020 | 100 | K | S01 S02 T04 D80* | |
| 24 | K021 | 100 | K | S01 S02 T04 D80* | |
| 25 | K022 | 100 | K | S01 S02 T04 D80* | |
| 26 | K023 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

* Additionally, Process Cods of T01, T02, S04



CONTINUE ON REVERSE

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved: OMB No. 158-R0004

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| WPRD091018622 T/A C 1 | W DUP T/A C 2 DUP |

## IV. 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 | K024 | 100 | K | S01 S02 T04 D80* | |
| 2 | K093 | 100 | K | S01 S02 T04 D80* | |
| 3 | K094 | 100 | K | S01 S02 T04 D80* | |
| 4 | K025 | 100 | K | S01 S02 T04 D80* | |
| 5 | K026 | 100 | K | S01 S02 T04 D80* | |
| 6 | K028 | 100 | K | S01 S02 T04 D80* | |
| 7 | K029 | 100 | K | S01 S02 T04 D80* | |
| 8 | K095 | 100 | K | S01 S02 T04 D80* | |
| 9 | K096 | 100 | K | S01 S02 T04 D80* | |
| 10 | K030 | 100 | K | S01 S02 T04 D80* | |
| 11 | K083 | 100 | K | S01 S02 T04 D80* | |
| 12 | K103 | 100 | K | S01 S02 T04 D80* | |
| 13 | K085 | 100 | K | S01 S02 T04 D80* | |
| 14 | K105 | 100 | K | S01 S02 T04 D80* | |
| 15 | K071 | 100 | K | S01 S02 T04 D80* | |
| 16 | K073 | 100 | K | S01 S02 T04 D80* | |
| 17 | K106 | 100 | K | S01 S02 T04 D80* | |
| 18 | K031 | 100 | K | S01 S02 T04 D80* | |
| 19 | K032 | 100 | K | S01 S02 T04 D80* | |
| 20 | K033 | 100 | K | S01 S02 T04 D80* | |
| 21 | K034 | 100 | K | S01 S02 T04 D80* | |
| 22 | K097 | 100 | K | S01 S02 T04 D80* | |
| 23 | K048 | 100 | K | S01 S02 T04 D80* | |
| 24 | K049 | 100 | K | S01 S02 T04 D80* | |
| 25 | K050 | 100 | K | S01 S02 T04 D80* | |
| 26 | K051 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

* Additionally, Process Codes of T01 T02, S04



CONTINUE ON REVERSE

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S0014

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| W P R D 0 9 1 0 1 8 6 2 2 — T/A: 1 | W DUP — T/A: 2 — DUP |

## IV. 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 | K052 | 100 | K | S01 S02 T04 D80* | |
| 2 | U001 | 100 | K | S01 S02 T04 D80* | |
| 3 | U002 | 100 | K | S01 S02 T04 D80* | |
| 4 | U003 | 100 | K | S01 S02 T04 D80* | |
| 5 | U004 | 100 | K | S01 S02 T04 D80* | |
| 6 | U005 | 100 | K | S01 S02 T04 D80* | |
| 7 | U007 | 100 | K | S01 S02 T04 D80* | |
| 8 | U008 | 100 | K | S01 S02 T04 D80* | |
| 9 | U009 | 100 | K | S01 S02 T04 D80* | |
| 10 | U010 | 100 | K | S01 S02 T04 D80* | |
| 11 | U011 | 100 | K | S01 S02 T04 D80* | |
| 12 | U012 | 100 | K | S01 S02 T04 D80* | |
| 13 | U014 | 100 | K | S01 S02 T04 D80* | |
| 14 | U015 | 100 | K | S01 S02 T04 D80* | |
| 15 | U016 | 100 | K | S01 S02 T04 D80* | |
| 16 | U017 | 100 | K | S01 S02 T04 D80* | |
| 17 | U018 | 100 | K | S01 S02 T04 D80* | |
| 18 | U020 | 100 | K | S01 S02 T04 D80* | |
| 19 | U021 | 100 | K | S01 S02 T04 D80* | |
| 20 | U024 | 100 | K | S01 S02 T04 D80* | |
| 21 | U025 | 100 | K | S01 S02 T04 D80* | |
| 22 | U037 | 100 | K | S01 S02 T04 D80* | |
| 23 | U038 | 100 | K | S01 S02 T04 D80* | |
| 24 | U029 | 100 | K | S01 S02 T04 D80* | |
| 25 | U034 | 100 | K | S01 S02 T04 D80* | |
| 26 | U049 | 100 | K | S01 S02 T04 D80* | |

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CONTINUE ON REVERSE

*Additionally, Process Codes of T01, T02, S04

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-[illegible]

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| WPRD091018622 (T/A C: 1) | W DUP (T/A C: 2) DUP |

## IV. 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 | U030 | 100 | K | S01 S02 T04 D80* | |
| 2 | U025 | 100 | K | S01 S02 T04 D80* | |
| 3 | U028 | 100 | K | S01 S02 T04 D80* | |
| 4 | U023 | 100 | K | S01 S02 T04 D80* | |
| 5 | U022 | 100 | K | S01 S02 T04 D80* | |
| 6 | U036 | 100 | K | S01 S02 T04 D80* | |
| 7 | U026 | 100 | K | S01 S02 T04 D80* | |
| 8 | U043 | 100 | K | S01 S02 T04 D80* | |
| 9 | U042 | 100 | K | S01 S02 T04 D80* | |
| 10 | U045 | 100 | K | S01 S02 T04 D80* | |
| 11 | U046 | 100 | K | S01 S02 T04 D80* | |
| 12 | U047 | 100 | K | S01 S02 T04 D80* | |
| 13 | U044 | 100 | K | S01 S02 T04 D80* | |
| 14 | U059 | 100 | K | S01 S02 T04 D80* | |
| 15 | U055 | 100 | K | S01 S02 T04 D80* | |
| 16 | U058 | 100 | K | S01 S02 T04 D80* | |
| 17 | U056 | 100 | K | S01 S02 T04 D80* | |
| 18 | U067 | 100 | K | S01 S02 T04 D80* | |
| 19 | U068 | 100 | K | S01 S02 T04 D80* | |
| 20 | U069 | 100 | K | S01 S02 T04 D80* | |
| 21 | U063 | 100 | K | S01 S02 T04 D80* | |
| 22 | U070 | 100 | K | S01 S02 T04 D80* | |
| 23 | U071 | 100 | K | S01 S02 T04 D80* | |
| 24 | U072 | 100 | K | S01 S02 T04 D80* | |
| 25 | U073 | 100 | K | S01 S02 T04 D80* | |
| 26 | U074 | 100 | K | S01 S02 T04 D80* | |

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CONTINUE ON REVERSE



*Additionally, Process Codes (... "B", "C", etc. behind the "3" to identify photocopied pages) of T01, T02, S04

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved. OMB No. 158-180004

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| W P R D 0 9 1 0 1 8 6 2 2 — T/A: 1 | W DUP — T/A: 2 — DUP |

## IV. 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 | U075 | 100 | K | S01 S02 T04 D80* | |
| 2 | U076 | 100 | K | S01 S02 T04 D80* | |
| 3 | U078 | 100 | K | S01 S02 T04 D80* | |
| 4 | U079 | 100 | K | S01 S02 T04 D80* | |
| 5 | U077 | 100 | K | S01 S02 T04 D80* | |
| 6 | U082 | 100 | K | S01 S02 T04 D80* | |
| 7 | U089 | 100 | K | S01 S02 T04 D80* | |
| 8 | U080 | 100 | K | S01 S02 T04 D80* | |
| 9 | U083 | 100 | K | S01 S02 T04 D80* | |
| 10 | U088 | 100 | K | S01 S02 T04 D80* | |
| 11 | U084 | 100 | K | S01 S02 T04 D80* | |
| 12 | U085 | 100 | K | S01 S02 T04 D80* | |
| 13 | U085 | 100 | K | S01 S02 T04 D80* | |
| 14 | U081 | 100 | K | S01 S02 T04 D80* | |
| 15 | U087 | 100 | K | S01 S02 T04 D80* | |
| 16 | U064 | 100 | K | S01 S02 T04 D80* | |
| 17 | U066 | 100 | K | S01 S02 T04 D80* | |
| 18 | U062 | 100 | K | S01 S02 T04 D80* | |
| 19 | U060 | 100 | K | S01 S02 T04 D80* | |
| 20 | U061 | 100 | K | S01 S02 T04 D80* | |
| 21 | U093 | 100 | K | S01 S02 T04 D80* | |
| 22 | U090 | 100 | K | S01 S02 T04 D80* | |
| 23 | U098 | 100 | K | S01 S02 T04 D80* | |
| 24 | U099 | 100 | K | S01 S02 T04 D80* | |
| 25 | U092 | 100 | K | S01 S02 T04 D80* | |
| 26 | U094 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE



* Additionally, Process Codes (enter "A", "B", "C", etc. behind the "3" to identify photocopied pages) of T01, T02, S04

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-180004

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| WPRD091018622 2 1 | W DUP 2 DUP |

## IV. 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 | U091 | 100 | K | S01 S02 T04 D80* | |
| 2 | U106 | 100 | K | S01 S02 T04 D80* | |
| 3 | U105 | 100 | K | S01 S02 T04 D80* | |
| 4 | U102 | 100 | K | S01 S02 T04 D80* | |
| 5 | U107 | 100 | K | S01 S02 T04 D80* | |
| 6 | U109 | 100 | K | S01 S02 T04 D80* | |
| 7 | U111 | 100 | K | S01 S02 T04 D80* | |
| 8 | U112 | 100 | K | S01 S02 T04 D80* | |
| 9 | U113 | 100 | K | S01 S02 T04 D80* | |
| 10 | U114 | 100 | K | S01 S02 T04 D80* | |
| 11 | U115 | 100 | K | S01 S02 T04 D80* | |
| 12 | U116 | 100 | K | S01 S02 T04 D80* | |
| 13 | U117 | 100 | K | S01 S02 T04 D80* | |
| 14 | U118 | 100 | K | S01 S02 T04 D80* | |
| 15 | U119 | 100 | K | S01 S02 T04 D80* | |
| 16 | U120 | 100 | K | S01 S02 T04 D80* | |
| 17 | U121 | 100 | K | S01 S02 T04 D80* | |
| 18 | U122 | 100 | K | S01 S02 T04 D80* | |
| 19 | U123 | 100 | K | S01 S02 T04 D80* | |
| 20 | U124 | 100 | K | S01 S02 T04 D80* | |
| 21 | U108 | 100 | K | S01 S02 T04 D80* | |
| 22 | U101 | 100 | K | S01 S02 T04 D80* | |
| 23 | U103 | 100 | K | S01 S02 T04 D80* | |
| 24 | U108 | 100 | K | S01 S02 T04 D80* | |
| 25 | U110 | 100 | K | S01 S02 T04 D80* | |
| 26 | | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE



(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

* Additionally, Process Codes of T01, T02, S04

Continued from page 2

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-[illegible]

| EPA I.D. NUMBER (enter from page 1) | | FOR OFFICIAL USE ONLY | | |
|---|---|---|---|---|
| W P R D 0 9 1 0 1 8 6 2 2 | T/A C 1 | W | DUP | T/A C 2 DUP |

## IV. 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 | U125 | 100 | K | S01 S02 T04 D80* | |
| 2 | U126 | 100 | K | S01 S02 T04 D80* | |
| 3 | U127 | 100 | K | S01 S02 T04 D80* | |
| 4 | U128 | 100 | K | S01 S02 T04 D80* | |
| 5 | U129 | 100 | K | S01 S02 T04 D80* | |
| 6 | U130 | 100 | K | S01 S02 T04 D80* | |
| 7 | U131 | 100 | K | S01 S02 T04 D80* | |
| 8 | U132 | 100 | K | S01 S02 T04 D80* | |
| 9 | U134 | 100 | K | S01 S02 T04 D80* | |
| 10 | U138 | 100 | K | S01 S02 T04 D80* | |
| 11 | U139 | 100 | K | S01 S02 T04 D80* | |
| 12 | U140 | 100 | K | S01 S02 T04 D80* | |
| 13 | U141 | 100 | K | S01 S02 T04 D80* | |
| 14 | U142 | 100 | K | S01 S02 T04 D80* | |
| 15 | U143 | 100 | K | S01 S02 T04 D80* | |
| 16 | U144 | 100 | K | S01 S02 T04 D80* | |
| 17 | U145 | 100 | K | S01 S02 T04 D80* | |
| 18 | U146 | 100 | K | S01 S02 T04 D80* | |
| 19 | U147 | 100 | K | S01 S02 T04 D80* | |
| 20 | U148 | 100 | K | S01 S02 T04 D80* | |
| 21 | U149 | 100 | K | S01 S02 T04 D80* | |
| 22 | U150 | 100 | K | S01 S02 T04 D80* | |
| 23 | U151 | 100 | K | S01 S02 T04 D80* | |
| 24 | U152 | 100 | K | S01 S02 T04 D80* | |
| 25 | U153 | 100 | K | S01 S02 T04 D80* | |
| 26 | U154 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

*Additionally, Process Codes of T01, T02, S04

CONTINUE ON REVERSE



(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

Continued from page 2

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-000004

| EPA I.D. NUMBER (enter from page 1) | | FOR OFFICIAL USE ONLY | | |
|---|---|---|---|---|
| W P R D 0 9 1 0 1 8 6 2 2 | T/A C 1 | W | DUP | T/A C 2 DUP |

## IV. 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 | U155 | 100 | K | S01 S02 T04 D80* | |
| 2 | U156 | 100 | K | S01 S02 T04 D80* | |
| 3 | U157 | 100 | K | S01 S02 T04 D80* | |
| 4 | U158 | 100 | K | S01 S02 T04 D80* | |
| 5 | U159 | 100 | K | S01 S02 T04 D80* | |
| 6 | U161 | 100 | K | S01 S02 T04 D80* | |
| 7 | U162 | 100 | K | S01 S02 T04 D80* | |
| 8 | U163 | 100 | K | S01 S02 T04 D80* | |
| 9 | U164 | 100 | K | S01 S02 T04 D80* | |
| 10 | U165 | 100 | K | S01 S02 T04 D80* | |
| 11 | U166 | 100 | K | S01 S02 T04 D80* | |
| 12 | U167 | 100 | K | S01 S02 T04 D80* | |
| 13 | U168 | 100 | K | S01 S02 T04 D80* | |
| 14 | U169 | 100 | K | S01 S02 T04 D80* | |
| 15 | U170 | 100 | K | S01 S02 T04 D80* | |
| 16 | U171 | 100 | K | S01 S02 T04 D80* | |
| 17 | U172 | 100 | K | S01 S02 T04 D80* | |
| 18 | U173 | 100 | K | S01 S02 T04 D80* | |
| 19 | U174 | 100 | K | S01 S02 T04 D80* | |
| 20 | U175 | 100 | K | S01 S02 T04 D80* | |
| 21 | U177 | 100 | K | S01 S02 T04 D80* | |
| 22 | U178 | 100 | K | S01 S02 T04 D80* | |
| 23 | U179 | 100 | K | S01 S02 T04 D80* | |
| 24 | U180 | 100 | K | S01 S02 T04 D80* | |
| 25 | U181 | 100 | K | S01 S02 T04 D80* | |
| 26 | U182 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

*Additionally, Process Codes of T01, T02, S04

CONTINUE ON REVERSE



(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-080104

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| W P R D 0 9 1 0 1 8 6 2 2 — T/A C 1 | W DUP — T/A C 2 DUP |

## IV. 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 | U183 | 100 | K | S01 S02 T04 D80* | |
| 2 | U184 | 100 | K | S01 S02 T04 D80* | |
| 3 | U185 | 100 | K | S01 S02 T04 D80* | |
| 4 | U187 | 100 | K | S01 S02 T04 D80* | |
| 5 | U188 | 100 | K | S01 S02 T04 D80* | |
| 6 | U186 | 100 | K | S01 S02 T04 D80* | |
| 7 | U190 | 100 | K | S01 S02 T04 D80* | |
| 8 | U197 | 100 | K | S01 S02 T04 D80* | |
| 9 | U193 | 100 | K | S01 S02 T04 D80* | |
| 10 | U192 | 100 | K | S01 S02 T04 D80* | |
| 11 | U200 | 100 | K | S01 S02 T04 D80* | |
| 12 | U201 | 100 | K | S01 S02 T04 D80* | |
| 13 | U202 | 100 | K | S01 S02 T04 D80* | |
| 14 | U206 | 100 | K | S01 S02 T04 D80* | |
| 15 | U207 | 100 | K | S01 S02 T04 D80* | |
| 16 | U208 | 100 | K | S01 S02 T04 D80* | |
| 17 | U203 | 100 | K | S01 S02 T04 D80* | |
| 18 | U209 | 100 | K | S01 S02 T04 D80* | |
| 19 | U210 | 100 | K | S01 S02 T04 D80* | |
| 20 | U218 | 100 | K | S01 S02 T04 D80* | |
| 21 | U213 | 100 | K | S01 S02 T04 D80* | |
| 22 | U211 | 100 | K | S01 S02 T04 D80* | |
| 23 | U214 | 100 | K | S01 S02 T04 D80* | |
| 24 | U220 | 100 | K | S01 S02 T04 D80* | |
| 25 | U225 | 100 | K | S01 S02 T04 D80* | |
| 26 | U226 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

*Additionally, Process Codes of T01, T02, S04



(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

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Form Approved OMB No. 158-180004

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| W P R D 0 9 1 0 1 8 6 2 2 T/A C 1 | W DUP T/A C 2 DUP |

## IV. 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 | U223 | 100 | K | S01 S02 T04 D80* | |
| 2 | U227 | 100 | K | S01 S02 T04 D80* | |
| 3 | U222 | 100 | K | S01 S02 T04 D80* | |
| 4 | U235 | 100 | K | S01 S02 T04 D80* | |
| 5 | U234 | 100 | K | S01 S02 T04 D80* | |
| 6 | U236 | 100 | K | S01 S02 T04 D80* | |
| 7 | U238 | 100 | K | S01 S02 T04 D80* | |
| 8 | U239 | 100 | K | S01 S02 T04 D80* | |
| 9 | U237 | 100 | K | S01 S02 T04 D80* | |
| 10 | U243 | 100 | K | S01 S02 T04 D80* | |
| 11 | U247 | 100 | K | S01 S02 T04 D80* | |
| 12 | U248 | 100 | K | S01 S02 T04 D80* | |
| 13 | U249 | 100 | K | S01 S02 T04 D80* | |
| 14 | U213 | 100 | K | S01 S02 T04 D80* | |
| 15 | U216 | 100 | K | S01 S02 T04 D80* | |
| 16 | U217 | 100 | K | S01 S02 T04 D80* | |
| 17 | U219 | 100 | K | S01 S02 T04 D80* | |
| 18 | U218 | 100 | K | S01 S02 T04 D80* | |
| 19 | U221 | 100 | K | S01 S02 T04 D80* | |
| 20 | U228 | 100 | K | S01 S02 T04 D80* | |
| 21 | U227 | 100 | K | S01 S02 T04 D80* | |
| 22 | U231 | 100 | K | S01 S02 T04 D80* | |
| 23 | U232 | 100 | K | S01 S02 T04 D80* | |
| 24 | U230 | 100 | K | S01 S02 T04 D80* | |
| 25 | U244 | 100 | K | S01 S02 T04 D80* | |
| 26 | U240 | 100 | K | S01 S02 T04 D80* | |

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CONTINUE IN REVERSE

*Additionally, Process Codes of T01, T02, S04


(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved. OMB No. 2050-0039

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| W P R D 0 9 1 0 1 8 6 2 2 — T/A: 1 | W DUP — T/A: 2 — DUP |

## IV. 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 | P023 | 100 | K | S01 S02 T04 D80* | |
| 2 | P002 | 100 | K | S01 S02 T04 D80* | |
| 3 | P057 | 100 | K | S01 S02 T04 D80* | |
| 4 | P058 | 100 | K | S01 S02 T04 D80* | |
| 5 | P066 | 100 | K | S01 S02 T04 D80* | |
| 6 | P001 | 100 | K | S01 S02 T04 D80* | |
| 7 | P002 | 100 | K | S01 S02 T04 D80* | |
| 8 | P003 | 100 | K | S01 S02 T04 D80* | |
| 9 | P070 | 100 | K | S01 S02 T04 D80* | |
| 10 | P004 | 100 | K | S01 S02 T04 D80* | |
| 11 | P005 | 100 | K | S01 S02 T04 D80* | |
| 12 | P006 | 100 | K | S01 S02 T04 D80* | |
| 13 | P007 | 100 | K | S01 S02 T04 D80* | |
| 14 | P008 | 100 | K | S01 S02 T04 D80* | |
| 15 | P119 | 100 | K | S01 S02 T04 D80* | |
| 16 | P010 | 100 | K | S01 S02 T04 D80* | |
| 17 | P012 | 100 | K | S01 S02 T04 D80* | |
| 18 | P011 | 100 | K | S01 S02 T04 D80* | |
| 19 | P012 | 100 | K | S01 S02 T04 D80* | |
| 20 | P038 | 100 | K | S01 S02 T04 D80* | |
| 21 | P024 | 100 | K | S01 S02 T04 D80* | |
| 22 | P077 | 100 | K | S01 S02 T04 D80* | |
| 23 | P028 | 100 | K | S01 S02 T04 D80* | |
| 24 | P042 | 100 | K | S01 S02 T04 D80* | |
| 25 | P014 | 100 | K | S01 S02 T04 D80* | |
| 26 | P015 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE



(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

*Additionally, Process Codes of T01, T02, S04

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

EPA I.D. NUMBER (enter from page 1): W P R D 0 9 1 0 1 8 6 2 2 — T/A/C: I

FOR OFFICIAL USE ONLY: W — DUP — T/A/C: J — DUP

## IV. 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 | P068 | 100 | K | S01 S02 T04 D80* | |
| 2 | P069 | 100 | K | S01 S02 T04 D80* | |
| 3 | P034 | 100 | K | S01 S02 T04 D80* | |
| 4 | P072 | 100 | K | S01 S02 T04 D80* | |
| 5 | P073 | 100 | K | S01 S02 T04 D80* | |
| 6 | P075 | 100 | K | S01 S02 T04 D80* | |
| 7 | P076 | 100 | K | S01 S02 T04 D80* | |
| 8 | P077 | 100 | K | S01 S02 T04 D80* | |
| 9 | P078 | 100 | K | S01 S02 T04 D80* | |
| 10 | P048 | 100 | K | S01 S02 T04 D80* | |
| 11 | P020 | 100 | K | S01 S02 T04 D80* | |
| 12 | P049 | 100 | K | S01 S02 T04 D80* | |
| 13 | P109 | 100 | K | S01 S02 T04 D80* | |
| 14 | P087 | 100 | K | S01 S02 T04 D80* | |
| 15 | P051 | 100 | K | S01 S02 T04 D80* | |
| 16 | P089 | 100 | K | S01 S02 T04 D80* | |
| 17 | P094 | 100 | K | S01 S02 T04 D80* | |
| 18 | P020 | 100 | K | S01 S02 T04 D80* | |
| 19 | P081 | 100 | K | S01 S02 T04 D80* | |
| 20 | P101 | 100 | K | S01 S02 T04 D80* | |
| 21 | P110 | 100 | K | S01 S02 T04 D80* | |
| 22 | P054 | 100 | K | S01 S02 T04 D80* | |
| 23 | P102 | 100 | K | S01 S02 T04 D80* | |
| 24 | P111 | 100 | K | S01 S02 T04 D80* | |
| 25 | P107 | 100 | K | S01 S02 T04 D80* | |
| 26 | P108 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

*Additionally, Process Codes of T01, T02, S04



(enter "A", "B", "C", etc. behind the 3 to identify photocopied pages)

Continued from page 2

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-180014

| EPA I.D. NUMBER (enter from page 1) | FOR OFFICIAL USE ONLY |
|---|---|
| W P R D 0 9 1 0 1 8 6 2 2 — T/A: 1 | W — DUP — T/A: 2 — DUP |

## IV. 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 | P016 | 100 | K | S01 S02 T04 D80* | |
| 2 | P017 | 100 | K | S01 S02 T04 D80* | |
| 3 | P123 | 100 | K | S01 S02 T04 D80* | |
| 4 | P103 | 100 | K | S01 S02 T04 D80* | |
| 5 | P056 | 100 | K | S01 S02 T04 D80* | |
| 6 | P026 | 100 | K | S01 S02 T04 D80* | |
| 7 | P027 | 100 | K | S01 S02 T04 D80* | |
| 8 | P036 | 100 | K | S01 S02 T04 D80* | |
| 9 | P037 | 100 | K | S01 S02 T04 D80* | |
| 10 | P057 | 100 | K | S01 S02 T04 D80* | |
| 11 | P041 | 100 | K | S01 S02 T04 D80* | |
| 12 | P040 | 100 | K | S01 S02 T04 D80* | |
| 13 | P043 | 100 | K | S01 S02 T04 D80* | |
| 14 | P044 | 100 | K | S01 S02 T04 D80* | |
| 15 | P045 | 100 | K | S01 S02 T04 D80* | |
| 16 | U019 | 100 | K | S01 S02 T04 D80* | |
| 17 | U095 | 100 | K | S01 S02 T04 D80* | |
| 18 | U097 | 100 | K | S01 S02 T04 D80* | |
| 19 | U212 | 100 | K | S01 S02 T04 D80* | |
| 20 | P118 | 100 | K | S01 S02 T04 D80* | |
| 21 | P067 | 100 | K | S01 S02 T04 D80* | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

*Additionally, Process Codes of T01,T02,S04

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

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 P R D 0 9 1 0 1 8 6 2 2 T/R C 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 01 05 | 66 41 03 |

## 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. |
|---|---|
| E Compania Ganadera del Sur, Inc. | 801-836-1086 |

| 3. STREET OR P.O. BOX | 4. CITY OR TOWN | 5. ST. | 6. ZIP CODE |
|---|---|---|---|
| F Firm Delivery | G Ponce | PR | 00731 |

## IX. OWNER CERTIFICATION

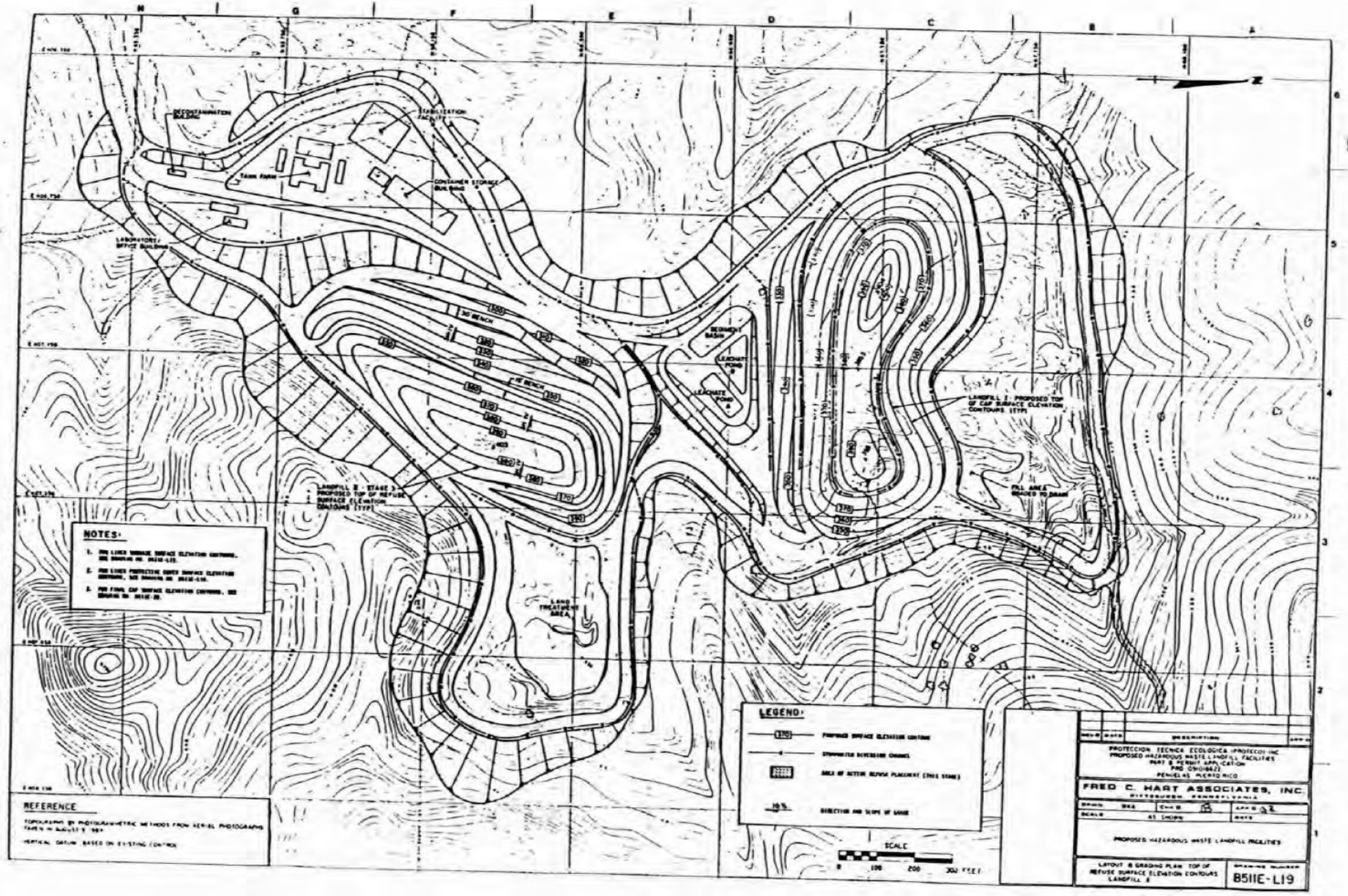
*I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, 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 |
|---|---|---|
| Lucas P. Valdivieso | Lucas P. Valdivieso | 4-1-86 |

## 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.*

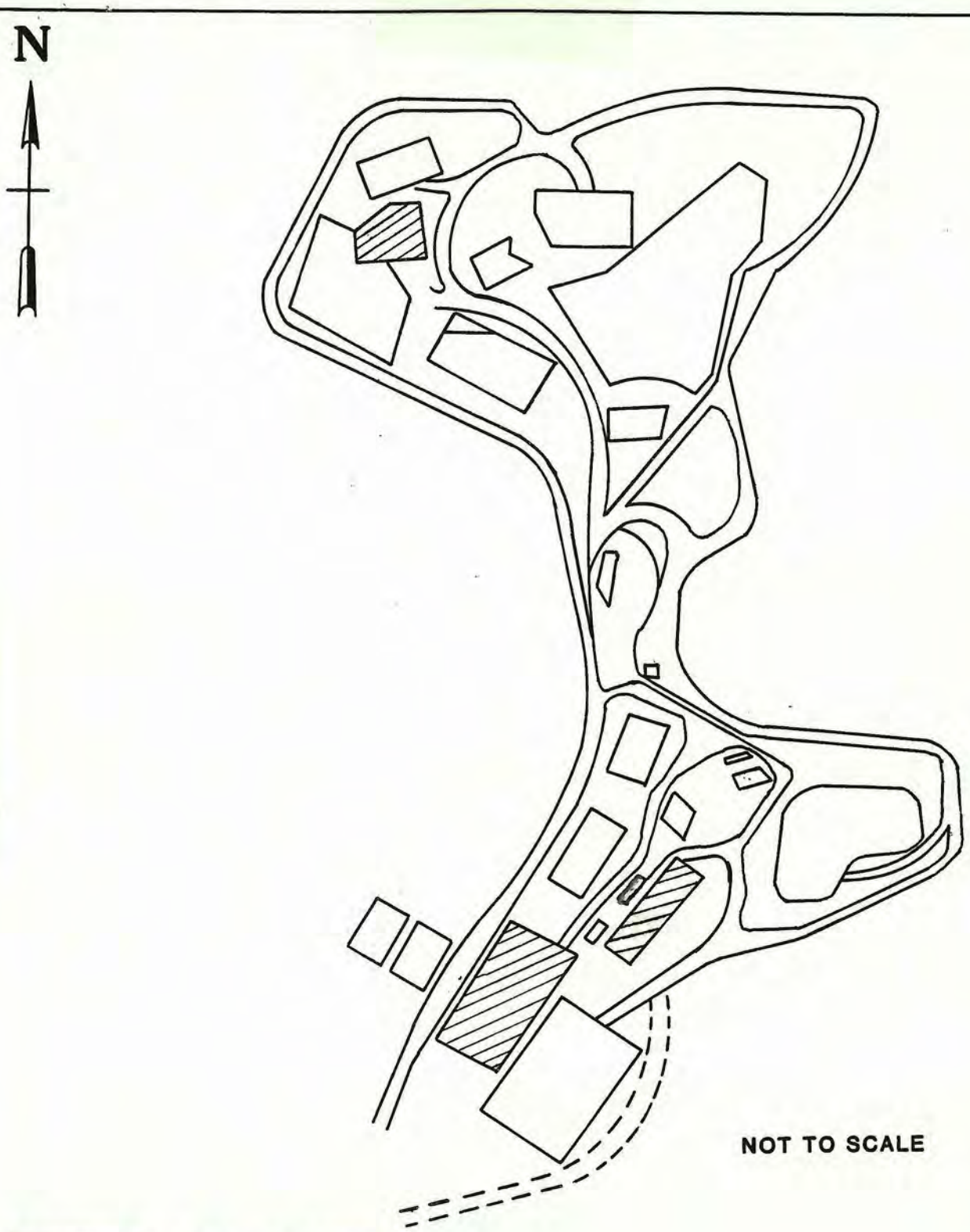
| A. NAME (print or type) | B. SIGNATURE | C. DATE SIGNED |
|---|---|---|
| Jorge J. Fernandez | Jorge J. Fernández Robles | 4-1-86 |


DECONTAMINATION BUILDING
STABILIZATION FACILITY
TANK FARM
CONTAINER STORAGE BUILDING
LABORATORY/ OFFICE BUILDING
30' BENCH
40' BENCH
SEDIMENT BASIN
LEACHATE POND
LEACHATE POND
LANDFILL II - PROPOSED TOP OF CAP SURFACE ELEVATION CONTOURS (TYP)
FILL AREA GRADED TO DRAIN
LANDFILL II - STAGE 3 - PROPOSED TOP OF REFUSE SURFACE ELEVATION CONTOURS (TYP)
LAND TREATMENT AREA
NOTES:
REFERENCE
LEGEND:
SCALE
0 100 200 300 FEET
PROTECCION TECNICA ECOLOGICA (PROTECO) INC
PROPOSED HAZARDOUS WASTE LANDFILL FACILITIES
PART B PERMIT APPLICATION
PRD 090106621
PENUELAS, PUERTO RICO
FRED C. HART ASSOCIATES, INC.
PITTSBURGH, PENNSYLVANIA
AS SHOWN
PROPOSED HAZARDOUS WASTE LANDFILL FACILITIES
LAYOUT & GRADING PLAN TOP OF REFUSE SURFACE ELEVATION CONTOURS LANDFILL II
B511E-L19

Continued from page 4.



## V. FACILITY DRAWING *(see page 4)*




REGULATED HAZARDOUS WASTE UNITS

REGULATED HAZARDOUS WASTE UNITS COVERED IN THIS PART A APPLICATION

PART A

FACILITY DRAWING

FRED C. HART ASSOCIATES, INC.

(Print or type in the areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-S80004

1C

FORM 3 RCRA

# EPA U.S. HAZARDOUS WASTE PERMIT APPLICATION

4-1-86

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

EPA I.D. NUMBER: F P R D 0 9 1 0 1 8 6 2 2 — 1

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)*

[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 8 — YR. 7 5 — MO. 0 4 — DAY 2 9

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 | B |
| 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 — T/A C 1

| LINE NUMBER | A. PROCESS CODE (from list above) | B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify) | 2. UNIT OF MEASURE (enter code) | FOR OFFICIAL USE ONLY | LINE NUMBER | A. PROCESS CODE (from list above) | B. PROCESS DESIGN CAPACITY 1. AMOUNT | 2. UNIT OF MEASURE (enter code) | FOR OFFICIAL USE ONLY |
|---|---|---|---|---|---|---|---|---|---|
| X-1 | S02 | 600 | G | | 5 | T04 | 1,892,500 (other) | L | |
| X-2 | T03 | 20 | E | | 6 | | | | |
| 1 | S02 | 150,000 tank | L | | 7 | | | | |
| 2 | D80 | 50 landfill | F | | 8 | | | | |
| 3 | D81 | 2.5 land appl. | Q | | 9 | | | | |
| 4 | T02 | 8,110,000 surf imp | L | | 10 | | | | |



CONTINUE ON REVERSE

I. PROCESSES *(continued)*

SPACE FOR ADDITIONAL PROCESS CODES O DESCRIBING OTHER PROCESSES *(code "TL* EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04 —— the amount shown refers to biodegradation of materials in surface impoundments.

V. 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 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.

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.

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.

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.

ITE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by re 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.

AMPLE 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 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 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 ) 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)) |
|---|---|---|---|---|---|
| 1 | K054 | 900 | P | T03 D80 | |
| 2 | D002 | 400 | P | T03 D80 | |
| 3 | D001 | 100 | P | T03 D80 | |
| 4 | D002 | | | | *included with above* |



CONTINUE ON PAGE 3

Continued from page 2.
NOTE: Photocopy this page before completing if more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1): W PRD091018622 T/A 1 C

FOR OFFICIAL USE ONLY: W DUP T/A 2 C DUP

## IV. 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) | | | | 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) |
|---|---|---|---|---|---|---|---|---|
| 1 | F001 | 20,707 | K | T04 | D81 | | | |
| 2 | F002 | 10,353 | K | T04 | D81 | | | |
| 3 | F005 | 79,044 | K | T04 | D81 | | | |
| 4 | F006 | 589,907 | K | D80 | | | | |
| 5 | K049 | 202,079 | K | T04 | D81 | | | |
| 6 | K051 | 404,158 | K | T04 | D81 | | | |
| 7 | K052 | 63,998 | K | T04 | D81 | | | |
| 8 | K087 | | | | | | | included with above |
| 9 | D002 | 2,092,500 | K | T02 | D80 | | | |
| 10 | D002 | 61,710 | K | T02 | D80 | | | |
| 11 | D008 | 15,790 | K | D80 | | | | |
| 12 | D009 | 126,000 | K | T02 | D81 | | | |
| 13 | D008 | 773,345 | K | T04 | D81 | | | |
| 14 | D002 | 29,925 | K | D80 | | | | |
| 15 | D002 | 321,145 | K | T04 | D81 | | | |
| 16 | D002 | 92,727 | K | T04 | D81 | | | |
| 17 | D007 | 2,335,823 | K | D80 | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |
| 25 | | | | | | | | |
| 26 | | | | | | | | |

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

## IV. DESCRIPTION OF HAZARDOUS WAS. (ontinued)

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 P R D 0 9 1 0 1 8 6 2 2 T/A C 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 01 05 | 66 41 03 |

## 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.) |
|---|---|
| Compañía Ganadera del Sur, Inc. | 809-836-1086 |

| 3. STREET OR P.O. BOX | 4. CITY OR TOWN | 5. ST. | 6. ZIP CODE |
|---|---|---|---|
| Firm Delivery | G Ponce, | PR | 00731 |

## 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 |
|---|---|---|
| Lucas P. Valdivieso | L. P. Valdivieso | NOVEMBER 3, 1980. |

## 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.*

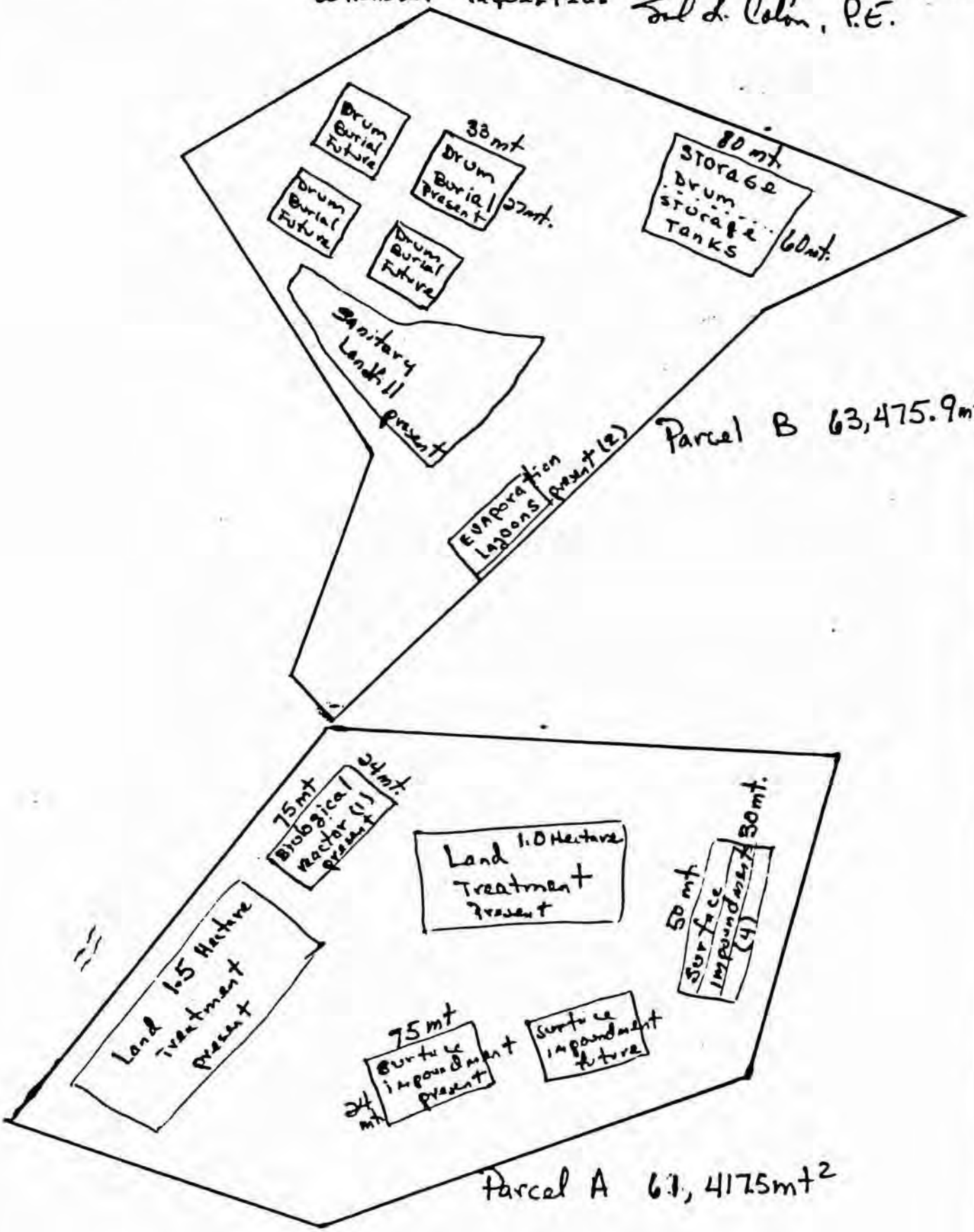
| A. NAME (print or type) | B. SIGNATURE | C. DATE SIGNED |
|---|---|---|
| Carlos Bartolomei León | Carlos Bartolomei León | 11-3-80 |



CONTINUE ON PAGE 5

9. FACILITY DRAWING (see page 4)

Important note: There is a complete set of drawings of the facility. The set will be submitted whenever requested. Saul L. Colón, P.E.



ATTACHMENT XI

PART A APPLICATION FOR PROPOSED FACILITIES

(Please read "General Instructions" before starting.)

| LABEL ITEMS | |
|---|---|
| I. EPA I.D. NUMBER | PLEASE PLACE LABEL IN THIS SPACE |
| III. FACILITY NAME | |
| V. FACILITY MAILING ADDRESS | |
| VI. FACILITY LOCATION | |

**GENERAL INSTRUCTIONS**

If a preprinted label has been provided, aff it in the designated space. Review the infor ation carefully; if any of it is incorrect, cr through it and enter the correct data in t appropriate fill-in area below. Also, if any the preprinted data is absent (the area to t left of the label space lists the informa that should appear), please provide it in t proper fill-in area(s) below. If the label complete and correct, you need not compl items I, III, V, and VI (except VI-B wh must be completed regardless). Complete items II no label has been provided. Refer the instructions for detailed item descr tions and for the legal authorizations unc 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 | 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 | | 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 PROTECCION TECNICA ECOLOGICA, INC.

## IV. FACILITY CONTACT

| A. NAME & TITLE (first, first, & title) | B. PHONE (area code & no.) |
|---|---|
| 2 FERNANDEZ, JORGE PRESIDENT | 809 836 2058 |

## V. FACILITY MAILING ADDRESS

| A. STREET OR P.O. BOX | | | |
|---|---|---|---|
| 3 FIRM DELIVERY | | | |
| B. CITY OR TOWN | C. STATE | D. ZIP CODE | |
| 4 PONCE | PR | 00731 | |

## VI. FACILITY LOCATION

| A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER | | | |
|---|---|---|---|
| 5 ROAD 385 KM 35 | | | |
| B. COUNTY NAME | | | |
| TALLABOA | | | |
| C. CITY OR TOWN | D. STATE | E. ZIP CODE | F. COUNTY CODE (if known) |
| 6 PENUELAS | PR | 00724 | |

... (NEC) Waste Disposal | 7 | 8 8 9 9 | Service (NEC) Landfill

C. THIRD: 7 (specify)

D. FOURTH: 7 (specify)

## VIII. OPERATOR INFORMATION

A. NAME: B PROTECCION TECNICA ECOLOGICA, INC.

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

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 2211

E. STREET OR P.O. BOX: ROAD 385 Km35

F. CITY OR TOWN: B PENEULAS

G. STATE: PR

H. ZIP CODE: 00731

## IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

## X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): 9 N

B. UIC (Underground Injection of Fluids): 9 U

C. RCRA (Hazardous Wastes): 9 R

D. PSD (Air Emissions from Proposed Sources): 9 P

E. OTHER (specify): 9 RSP #5 (specify) PUERTO RICO ENVIRONMENTAL QUALITY BOARD

E. OTHER (specify): 9 75-12-19-56 (specify) Puerto Rico Planning Board

## 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.

## XII. NATURE OF BUSINESS (provide a brief description)

Treatment, storage and disposal of hazardous and non-hazardous waste from various manufacturing plants and government in Puerto Rico.

## 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): orge J. Fernandez, President

B. SIGNATURE: [signature]

C. DATE SIGNED: 4-1-86

COMMENTS FOR OFFICIAL USE ONLY: C

RCRA | EPA

# 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 1 0 1 8 6 2 2

**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)*

☐ 2. NEW FACILITY *(Complete item below.)*

FOR NEW FACILITIES PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

**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 | B |
| 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.

| 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 |
|---|---|---|---|---|
| X-1 | S02 | 600 | G | |
| X-2 | T03 | 20 | E | |
| 1 | T01 | 20,000 | U | |
| 2 | S01 | 84,480 | G | |
| 3 | S02 | 164,000 | G | |
| 4 | T02 | 10,000 | U | |
| 5 | T04 | 216 CY/ DAY | | |
| 6 | D80 | 620 | A | |
| 7 | S04 | 289,500 | G | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

C DUP 1

INCLUDE DESIGN CAPACITY. USE CODES D99 OR T04 FOR DESCRIBING OTHER PROCESSES (CODE T04 FOR EACH PROCESS ENTERED HERE)

T 04 Stabilization/fixation process (216 CY/DAY Output Rating)

## 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 |
|---|---|
| POUNDS | P |
| TONS | T |

| METRIC UNIT OF MEASURE | CODE |
|---|---|
| KILOGRAMS | K |
| 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 wastes: 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

| W P R D 0 9 1 0 1 8 6 2 2 | | 1 |
|---|---|---|

| W | DUP | 2 | DUP |
|---|---|---|---|

## IV. 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 | D001 | 230,000 | K | S01 S02 T04 D80* | |
| 2 | D002 | 4,000,000 | K | S01 S02 T04 D80* | |
| 3 | D004 | 100 | K | S01 S02 T04 D80* | |
| 4 | D005 | 100 | K | S01 S02 T04 D80* | |
| 5 | D006 | 300 | K | S01 S02 T04 D80* | |
| 6 | D007 | 50 | K | S01 S02 T04 D80* | |
| 7 | D008 | 950,000 | K | S01 S02 T04 D80* | |
| 8 | D009 | 55,000 | K | S01 S02 T04 D80* | |
| 9 | D010 | 200 | K | S01 S02 T04 D80* | |
| 10 | D011 | 10 | K | S01 S02 T04 D80* | |
| 11 | D012 | 100 | K | S01 S02 T04 D80* | |
| 12 | D013 | 290,000 | K | S01 S02 T04 D80* | |
| 13 | D014 | 100 | K | S01 S02 T04 D80* | |
| 14 | D015 | 100 | K | S01 S02 T04 D80* | |
| 15 | D016 | 100 | K | S01 S02 T04 D80* | |
| 16 | D017 | 100 | K | S01 S02 T04 D80* | |
| 17 | F001 | 64,000 | K | S01 S02 T04 D80* | |
| 18 | F002 | 17,000 | K | S01 S02 T04 D80* | |
| 19 | F003 | 60,000 | K | S01 S02 T04 D80* | |
| 20 | F004 | 100 | K | S01 S02 T04 D80* | |
| 21 | F005 | 31,000 | K | S01 S02 T04 D80* | |
| 22 | F006 | 52,000 | K | S01 S02 T04 D80* | |
| 23 | F019 | 100 | K | S01 S02 T04 D80* | |
| 24 | F024 | 100 | K | S01 S02 T04 D80* | |
| 25 | K061 | 100 | K | S01 S02 T04 D80* | |
| 26 | K062 | 2,000 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

*Additionally, Process Codes of T01, T02, S04


(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

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| W P R D 0 9 1 0 1 8 6 2 2 | | 1 |
|---|---|---|

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| W | DUP | | DUP |
|---|---|---|---|

## IV. 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 | K069 | 100 | K | S01 S02 T04 D80* | |
| 2 | K100 | 100 | K | S01 S02 T04 D80* | |
| 3 | K084 | 100 | K | S01 S02 T04 D80* | |
| 4 | K101 | 100 | K | S01 S02 T04 D80* | |
| 5 | K102 | 100 | K | S01 S02 T04 D80* | |
| 6 | K086 | 100 | K | S01 S02 T04 D80* | |
| 7 | K002 | 100 | K | S01 S02 T04 D80* | |
| 8 | K003 | 100 | K | S01 S02 T04 D80* | |
| 9 | K004 | 100 | K | S01 S02 T04 D80* | |
| 10 | K005 | 100 | K | S01 S02 T04 D80* | |
| 11 | K005 | 100 | K | S01 S02 T04 D80* | |
| 12 | K006 | 100 | K | S01 S02 T04 D80* | |
| 13 | K007 | 100 | K | S01 S02 T04 D80* | |
| 14 | K008 | 100 | K | S01 S02 T04 D80* | |
| 15 | K009 | 100 | K | S01 S02 T04 D80* | |
| 16 | K010 | 100 | K | S01 S02 T04 D80* | |
| 17 | K014 | 100 | K | S01 S02 T04 D80* | |
| 18 | K015 | 100 | K | S01 S02 T04 D80* | |
| 19 | K016 | 100 | K | S01 S02 T04 D80* | |
| 20 | K017 | 100 | K | S01 S02 T04 D80* | |
| 21 | K018 | 100 | K | S01 S02 T04 D80* | |
| 22 | K019 | 100 | K | S01 S02 T04 D80* | |
| 23 | K020 | 100 | K | S01 S02 T04 D80* | |
| 24 | K021 | 100 | K | S01 S02 T04 D80* | |
| 25 | K022 | 100 | K | S01 S02 T04 D80* | |
| 26 | K023 | 100 | K | S01 S02 T04 D80* | |

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Additionally , Process Cods of T01, T02, S04



CONTINUE ON REVERSE

EPA I.D. NUMBER (enter from page 1): W P R D 0 9 1 0 1 8 6 2 2 — T/A C: 1

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## IV. 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) | 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) |
|---|---|---|---|---|---|
| 1 | K024 | 100 | K | S01 S02 T04 D80* | |
| 2 | K093 | 100 | K | S01 S02 T04 D80* | |
| 3 | K094 | 100 | K | S01 S02 T04 D80* | |
| 4 | K025 | 100 | K | S01 S02 T04 D80* | |
| 5 | K026 | 100 | K | S01 S02 T04 D80* | |
| 6 | K028 | 100 | K | S01 S02 T04 D80* | |
| 7 | K029 | 100 | K | S01 S02 T04 D80* | |
| 8 | K095 | 100 | K | S01 S02 T04 D80* | |
| 9 | K096 | 100 | K | S01 S02 T04 D80* | |
| 10 | K030 | 100 | K | S01 S02 T04 D80* | |
| 11 | K083 | 100 | K | S01 S02 T04 D80* | |
| 12 | K103 | 100 | K | S01 S02 T04 D80* | |
| 13 | K085 | 100 | K | S01 S02 T04 D80* | |
| 14 | K105 | 100 | K | S01 S02 T04 D80* | |
| 15 | K071 | 100 | K | S01 S02 T04 D80* | |
| 16 | K073 | 100 | K | S01 S02 T04 D80* | |
| 17 | K106 | 100 | K | S01 S02 T04 D80* | |
| 18 | K031 | 100 | K | S01 S02 T04 D80* | |
| 19 | K032 | 100 | K | S01 S02 T04 D80* | |
| 20 | K033 | 100 | K | S01 S02 T04 D80* | |
| 21 | K034 | 100 | K | S01 S02 T04 D80* | |
| 22 | K097 | 100 | K | S01 S02 T04 D80* | |
| 23 | K048 | 100 | K | S01 S02 T04 D80* | |
| 24 | K049 | 100 | K | S01 S02 T04 D80* | |
| 25 | K050 | 100 | K | S01 S02 T04 D80* | |
| 26 | K051 | 100 | K | S01 S02 T04 D80* | |

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* Additionally, Process Codes of T01 T02, S04

PAGE 3 C OF 5

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

CONTINUE ON REVERSE

W P R D 0 9 1 0 1 8 6 2 2 | 1 | W | DUP | 2 | DUP

## IV. 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 | K052 | 2,000 - | K | S01 S02 T04 D80* | |
| 2 | U001 | 100 | K | S01 S02 T04 D80* | |
| 3 | U002 | 5,000 | K | S01 S02 T04 D80* | |
| 4 | U003 | 100 | K | S01 S02 T04 D80* | |
| 5 | U004 | 100 | K | S01 S02 T04 D80* | |
| 6 | U005 | 100 | K | S01 S02 T04 D80* | |
| 7 | U007 | 100 | K | S01 S02 T04 D80* | |
| 8 | U008 | 100 | K | S01 S02 T04 D80* | |
| 9 | U009 | 100 | K | S01 S02 T04 D80* | |
| 10 | U010 | 100 | K | S01 S02 T04 D80* | |
| 11 | U011 | 100 | K | S01 S02 T04 D80* | |
| 12 | U012 | 100 | K | S01 S02 T04 D80* | |
| 13 | U014 | 100 | K | S01 S02 T04 D80* | |
| 14 | U015 | 100 | K | S01 S02 T04 D80* | |
| 15 | U016 | 100 | K | S01 S02 T04 D80* | |
| 16 | U017 | 100 | K | S01 S02 T04 D80* | |
| 17 | U018 | 100 | K | S01 S02 T04 D80* | |
| 18 | U020 | 100 | K | S01 S02 T04 D80* | |
| 19 | U021 | 50 | K | S01 S02 T04 D80* | |
| 20 | U024 | 100 | K | S01 S02 T04 D80* | |
| 21 | U025 | 100 | K | S01 S02 T04 D80* | |
| 22 | U037 | 100 | K | S01 S02 T04 D80* | |
| 23 | U038 | 100 | K | S01 S02 T04 D80* | |
| 24 | U029 | 100 | K | S01 S02 T04 D80* | |
| 25 | U034 | 100 | K | S01 S02 T04 D80* | |
| 26 | U049 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (8-80)

*Additionally, Process Codes of T01, T02, S04


(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

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|---|---|---|---|

## IV. 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) | | | | 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) |
|---|---|---|---|---|---|---|---|---|
| 1 | U030 | 100 | K | S01 | S02 | T04 | D80* | |
| 2 | U025 | 100 | K | S01 | S02 | T04 | D80* | |
| 3 | U028 | 100 | K | S01 | S02 | T04 | D80* | |
| 4 | U023 | 100 | K | S01 | S02 | T04 | D80* | |
| 5 | U022 | 100 | K | S01 | S02 | T04 | D80* | |
| 6 | U036 | 100 | K | S01 | S02 | T04 | D80* | |
| 7 | U026 | 100 | K | S01 | S02 | T04 | D80* | |
| 8 | U043 | 100 | K | S01 | S02 | T04 | D80* | |
| 9 | U042 | 100 | K | S01 | S02 | T04 | D80* | |
| 10 | U045 | 100 | K | S01 | S02 | T04 | D80* | |
| 11 | U046 | 100 | K | S01 | S02 | T04 | D80* | |
| 12 | U047 | 100 | K | S01 | S02 | T04 | D80 | |
| 13 | U044 | 3,000 | K | S01 | S02 | T04 | D80* | |
| 14 | U059 | 100 | K | S01 | S02 | T04 | D80* | |
| 15 | U055 | 100 | K | S01 | S02 | T04 | D80* | |
| 16 | U058 | 100 | K | S01 | S02 | T04 | D80* | |
| 17 | U056 | 100 | K | S01 | S02 | T04 | D80* | |
| 18 | U067 | 100 | K | S01 | S02 | T04 | D80* | |
| 19 | U068 | 100 | K | S01 | S02 | T04 | D80* | |
| 20 | U069 | 100 | K | S01 | S02 | T04 | D80* | |
| 21 | U063 | 100 | K | S01 | S02 | T04 | D80* | |
| 22 | U070 | 100 | K | S01 | S02 | T04 | D80* | |
| 23 | U071 | 100 | K | S01 | S02 | T04 | D80* | |
| 24 | U072 | 100 | K | S01 | S02 | T04 | D80* | |
| 25 | U073 | 100 | K | S01 | S02 | T04 | D80* | |
| 26 | U074 | 100 | K | S01 | S02 | T04 | D80* | |

EPA Form 3510-3 (6-80)

*Additionally, Process Codes [illegible] "B", "C", etc. behind the "3" to identify photocopied pages) of T01, T02, S04



CONTINUE ON REVERSE

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DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

| W. NO. JZ | 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 | U075 | 100 | K | S01 S02 T04 D80* | |
| 2 | U076 | 100 | K | S01 S02 T04 D80* | |
| 3 | U078 | 100 | K | S01 S02 T04 D80* | |
| 4 | U079 | 100 | K | S01 S02 T04 D80* | |
| 5 | U077 | 100 | K | S01 S02 T04 D80* | |
| 6 | U082 | 100 | K | S01 S02 T04 D80* | |
| 7 | U089 | 100 | K | S01 S02 T04 D80* | |
| 8 | U080 | 4,000 | K | S01 S02 T04 D80* | |
| 9 | U083 | 100 | K | S01 S02 T04 D80* | |
| 10 | U088 | 100 | K | S01 S02 T04 D80* | |
| 11 | U084 | 100 | K | S01 S02 T04 D80* | |
| 12 | U085 | 100 | K | S01 S02 T04 D80* | |
| 13 | U085 | 100 | K | S01 S02 T04 D80* | |
| 14 | U081 | 100 | K | S01 S02 T04 D80* | |
| 15 | U087 | 100 | K | S01 S02 T04 D80* | |
| 16 | U064 | 100 | K | S01 S02 T04 D80* | |
| 17 | U066 | 100 | K | S01 S02 T04 D80* | |
| 18 | U062 | 100 | K | S01 S02 T04 D80* | |
| 19 | U060 | 100 | K | S01 S02 T04 D80* | |
| 20 | U061 | 100 | K | S01 S02 T04 D80* | |
| 21 | U093 | 100 | K | S01 S02 T04 D80* | |
| 22 | U090 | 100 | K | S01 S02 T04 D80* | |
| 23 | U098 | 100 | K | S01 S02 T04 D80* | |
| 24 | U099 | 100 | K | S01 S02 T04 D80* | |
| 25 | U092 | 100 | K | S01 S02 T04 D80* | |
| 26 | U094 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)



(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

CONTINUE ON REVERSE

* Additionally, Process Codes of T01, T02, S04

| W | P | R | D | 0 | 9 | 1 | 0 | 1 | 8 | 6 | 2 | 2 | | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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| W | DUP | | DUP |
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## IV. 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 | U091 | 100 | K | S01 S02 T04 D80* | |
| 2 | U106 | 100 | K | S01 S02 T04 D80* | |
| 3 | U105 | 100 | K | S01 S02 T04 D80* | |
| 4 | U102 | 100 | K | S01 S02 T04 D80* | |
| 5 | U107 | 100 | K | S01 S02 T04 D80* | |
| 6 | U109 | 100 | K | S01 S02 T04 D80* | |
| 7 | U111 | 100 | K | S01 S02 T04 D80* | |
| 8 | U112 | 5,000 | K | S01 S02 T04 D80* | |
| 9 | U113 | 100 | K | S01 S02 T04 D80* | |
| 10 | U114 | 100 | K | S01 S02 T04 D80* | |
| 11 | U115 | 100 | K | S01 S02 T04 D80* | |
| 12 | U116 | 100 | K | S01 S02 T04 D80* | |
| 13 | U117 | 100 | K | S01 S02 T04 D80* | |
| 14 | U118 | 100 | K | S01 S02 T04 D80* | |
| 15 | U119 | 100 | K | S01 S02 T04 D80* | |
| 16 | U120 | 100 | K | S01 S02 T04 D80* | |
| 17 | U121 | 100 | K | S01 S02 T04 D80* | |
| 18 | U122 | 1,500 | K | S01 S02 T04 D80* | |
| 19 | U123 | 100 | K | S01 S02 T04 D80* | |
| 20 | U124 | 100 | K | S01 S02 T04 D80* | |
| 21 | U108 | 100 | K | S01 S02 T04 D80* | |
| 22 | U101 | 100 | K | S01 S02 T04 D80* | |
| 23 | U103 | 100 | K | S01 S02 T04 D80* | |
| 24 | U108 | 100 | K | S01 S02 T04 D80* | |
| 25 | U110 | 100 | K | S01 S02 T04 D80* | |
| 26 | | 100 | K | S01 S02 T04 D80* | |

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CONTINUE ON REVERSE

* Additionally, Process Codes (enter "A", "B", "C", etc. behind the "3" to identify photocopied pages) of T01, T02, S04

EPA I.D. NUMBER (enter from page 1)

| W | P | R | D | 0 | 9 | 1 | 0 | 1 | 8 | 6 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

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| W | DUP | 2 | DUP |
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## IV. 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 | U125 | 100 | K | S01 S02 T04 D80* | |
| 2 | U126 | 100 | K | S01 S02 T04 D80* | |
| 3 | U127 | 100 | K | S01 S02 T04 D80* | |
| 4 | U128 | 100 | K | S01 S02 T04 D80* | |
| 5 | U129 | 100 | K | S01 S02 T04 D80* | |
| 6 | U130 | 100 | K | S01 S02 T04 D80* | |
| 7 | U131 | 100 | K | S01 S02 T04 D80* | |
| 8 | U132 | 100 | K | S01 S02 T04 D80* | |
| 9 | U134 | 100 | K | S01 S02 T04 D80* | |
| 10 | U138 | 500 | K | S01 S02 T04 D80* | |
| 11 | U139 | 100 | K | S01 S02 T04 D80* | |
| 12 | U140 | 100 | K | S01 S02 T04 D80* | |
| 13 | U141 | 100 | K | S01 S02 T04 D80* | |
| 14 | U142 | 100 | K | S01 S02 T04 D80* | |
| 15 | U143 | 100 | K | S01 S02 T04 D80* | |
| 16 | U144 | 50 | K | S01 S02 T04 D80* | |
| 17 | U145 | 100 | K | S01 S02 T04 D80* | |
| 18 | U146 | 100 | K | S01 S02 T04 D80* | |
| 19 | U147 | 100 | K | S01 S02 T04 D80* | |
| 20 | U148 | 100 | K | S01 S02 T04 D80* | |
| 21 | U149 | 100 | K | S01 S02 T04 D80* | |
| 22 | U150 | 100 | K | S01 S02 T04 D80* | |
| 23 | U151 | 10,000 | K | S01 S02 T04 D80* | |
| 24 | U152 | 100 | K | S01 S02 T04 D80* | |
| 25 | U153 | 100 | K | S01 S02 T04 D80* | |
| 26 | U154 | 10,000 | K | S01 S02 T04 D80* | |

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Additionally, Process Codes of T01, T02, S04



CONTINUE IN REVERSE

W P R D 0 9 1 0 1 8 6 2 2 | W | DUP | 2 | DUP

IV. 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 | U155 | 100 | K | S01 S02 T04 D80* | |
| 2 | U156 | 100 | K | S01 S02 T04 D80* | |
| 3 | U157 | 100 | K | S01 S02 T04 D80* | |
| 4 | U158 | 100 | K | S01 S02 T04 D80* | |
| 5 | U159 | 100 | K | S01 S02 T04 D80* | |
| 6 | U161 | 100 | K | S01 S02 T04 D80* | |
| 7 | U162 | 100 | K | S01 S02 T04 D80* | |
| 8 | U163 | 100 | K | S01 S02 T04 D80* | |
| 9 | U164 | 100 | K | S01 S02 T04 D80* | |
| 10 | U165 | 100 | K | S01 S02 T04 D80* | |
| 11 | U166 | 100 | K | S01 S02 T04 D80* | |
| 12 | U167 | 100 | K | S01 S02 T04 D80* | |
| 13 | U168 | 100 | K | S01 S02 T04 D80* | |
| 14 | U169 | 100 | K | S01 S02 T04 D80* | |
| 15 | U170 | 100 | K | S01 S02 T04 D80* | |
| 16 | U171 | 100 | K | S01 S02 T04 D80* | |
| 17 | U172 | 100 | K | S01 S02 T04 D80* | |
| 18 | U173 | 100 | K | S01 S02 T04 D80* | |
| 19 | U174 | 100 | K | S01 S02 T04 D80* | |
| 20 | U175 | 100 | K | S01 S02 T04 D80* | |
| 21 | U177 | 100 | K | S01 S02 T04 D80* | |
| 22 | U178 | 100 | K | S01 S02 T04 D80* | |
| 23 | U179 | 100 | K | S01 S02 T04 D80* | |
| 24 | U180 | 100 | K | S01 S02 T04 D80* | |
| 25 | U181 | 100 | K | S01 S02 T04 D80* | |
| 26 | U182 | 100 | K | S01 S02 T04 D80* | |

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CONTINUE ON REVERSE

*Additionally, Process Codes of T01, T02, S04



(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

EPA I.D. NUMBER (enter from page 1)

| W | P | R | D | 0 | 9 | 1 | 0 | 1 | 8 | 6 | 2 | 2 | | 1 |
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## IV. 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 | U223 | 100 | K | S01 S02 T04 D80* | |
| 2 | U227 | 100 | K | S01 S02 T04 D80* | |
| 3 | U222 | 100 | K | S01 S02 T04 D80* | |
| 4 | U235 | 100 | K | S01 S02 T04 D80* | |
| 5 | U234 | 100 | K | S01 S02 T04 D80* | |
| 6 | U236 | 100 | K | S01 S02 T04 D80* | |
| 7 | U238 | 100 | K | S01 S02 T04 D80* | |
| 8 | U239 | 2,000 | K | S01 S02 T04 D80* | |
| 9 | U237 | 100 | K | S01 S02 T04 D80* | |
| 10 | U243 | 100 | K | S01 S02 T04 D80* | |
| 11 | U247 | 100 | K | S01 S02 T04 D80* | |
| 12 | U248 | 100 | K | S01 S02 T04 D80* | |
| 13 | U249 | 100 | K | S01 S02 T04 D80* | |
| 14 | U213 | 100 | K | S01 S02 T04 D80* | |
| 15 | U216 | 100 | K | S01 S02 T04 D80* | |
| 16 | U217 | 100 | K | S01 S02 T04 D80* | |
| 17 | U219 | 100 | K | S01 S02 T04 D80* | |
| 18 | U218 | 100 | K | S01 S02 T04 D80* | |
| 19 | U221 | 100 | K | S01 S02 T04 D80* | |
| 20 | U228 | 5,000 | K | S01 S02 T04 D80* | |
| 21 | U227 | 100 | K | S01 S02 T04 D80* | |
| 22 | U231 | 100 | K | S01 S02 T04 D80* | |
| 23 | U232 | 100 | K | S01 S02 T04 D80* | |
| 24 | U230 | 100 | K | S01 S02 T04 D80* | |
| 25 | U244 | 100 | K | S01 S02 T04 D80* | |
| 26 | U240 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (8-80)

*Additionally, Process Codes of T01, T02, S04


(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

CONTINUE IN REVERSE

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## IV. 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 | P023 | 100 | K | S01 S02 T04 D80* | |
| 2 | P002 | 100 | K | S01 S02 T04 D80* | |
| 3 | P057 | 100 | K | S01 S02 T04 D80* | |
| 4 | P058 | 100 | K | S01 S02 T04 D80* | |
| 5 | P066 | 100 | K | S01 S02 T04 D80* | |
| 6 | P001 | 100 | K | S01 S02 T04 D80* | |
| 7 | P002 | 100 | K | S01 S02 T04 D80* | |
| 8 | P003 | 100 | K | S01 S02 T04 D80* | |
| 9 | P070 | 100 | K | S01 S02 T04 D80* | |
| 10 | P004 | 100 | K | S01 S02 T04 D80* | |
| 11 | P005 | 100 | K | S01 S02 T04 D80* | |
| 12 | P006 | 100 | K | S01 S02 T04 D80* | |
| 13 | P007 | 100 | K | S01 S02 T04 D80* | |
| 14 | P008 | 100 | K | S01 S02 T04 D80* | |
| 15 | P119 | 100 | K | S01 S02 T04 D80* | |
| 16 | P010 | 100 | K | S01 S02 T04 D80* | |
| 17 | P012 | 100 | K | S01 S02 T04 D80* | |
| 18 | P011 | 100 | K | S01 S02 T04 D80* | |
| 19 | P012 | 100 | K | S01 S02 T04 D80* | |
| 20 | P038 | 100 | K | S01 S02 T04 D80* | |
| 21 | P024 | 100 | K | S01 S02 T04 D80* | |
| 22 | P077 | 100 | K | S01 S02 T04 D80* | |
| 23 | P028 | 100 | K | S01 S02 T04 D80* | |
| 24 | P042 | 100 | K | S01 S02 T04 D80* | |
| 25 | P014 | 100 | K | S01 S02 T04 D80* | |
| 26 | P015 | 100 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

Additionally, Process Codes of T01, T02, S04



(enter "A", "B", "C", etc. begins the "3" to identify photocopied pages)

CONTINUE ON REVERSE

W P R D 0 9 1 0 1 8 6 2 2

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## IV. 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) | 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) |
|---|---|---|---|---|---|
| 1 | P068 | 100 | K | S01 S02 T04 D80* | |
| 2 | P069 | 100 | K | S01 S02 T04 D80* | |
| 3 | P034 | 100 | K | S01 S02 T04 D80* | |
| 4 | P072 | 100 | K | S01 S02 T04 D80* | |
| 5 | P073 | 100 | K | S01 S02 T04 D80* | |
| 6 | P075 | 100 | K | S01 S02 T04 D80* | |
| 7 | P076 | 100 | K | S01 S02 T04 D80* | |
| 8 | P077 | 100 | K | S01 S02 T04 D80* | |
| 9 | P078 | 100 | K | S01 S02 T04 D80* | |
| 10 | P048 | 100 | K | S01 S02 T04 D80* | |
| 11 | P020 | 100 | K | S01 S02 T04 D80* | |
| 12 | P049 | 100 | K | S01 S02 T04 D80* | |
| 13 | P109 | 100 | K | S01 S02 T04 D80* | |
| 14 | P087 | 100 | K | S01 S02 T04 D80* | |
| 15 | P051 | 100 | K | S01 S02 T04 D80* | |
| 16 | P089 | 100 | K | S01 S02 T04 D80* | |
| 17 | P094 | 100 | K | S01 S02 T04 D80* | |
| 18 | P020 | 100 | K | S01 S02 T04 D80* | |
| 19 | P081 | 100 | K | S01 S02 T04 D80* | |
| 20 | P101 | 100 | K | S01 S02 T04 D80* | |
| 21 | P110 | 100 | K | S01 S02 T04 D80* | |
| 22 | P054 | 100 | K | S01 S02 T04 D80* | |
| 23 | P102 | 100 | K | S01 S02 T04 D80* | |
| 24 | P111 | 100 | K | S01 S02 T04 D80* | |
| 25 | P10[illegible] | 100 | K | S01 S02 T04 D80* | |
| 26 | P108 | 100 | K | S01 S02 T04 D80 | |

EPA Form 3510-3 (6-80)

*Additionally, Process Codes of T01, T02, S04

EPA I.D. NUMBER (enter from page 1): WPRD091018622 1

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## IV. 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 | P016 | 100 | K | S01 S02 T04 D80* | |
| 2 | P017 | 100 | K | S01 S02 T04 D80* | |
| 3 | P123 | 100 | K | S01 S02 T04 D80* | |
| 4 | P103 | 100 | K | S01 S02 T04 D80* | |
| 5 | P056 | 100 | K | S01 S02 T04 D80* | |
| 6 | P026 | 100 | K | S01 S02 T04 D80* | |
| 7 | P027 | 100 | K | S01 S02 T04 D80* | |
| 8 | P036 | 100 | K | S01 S02 T04 D80* | |
| 9 | P037 | 100 | K | S01 S02 T04 D80* | |
| 10 | P057 | 100 | K | S01 S02 T04 D80* | |
| 11 | P041 | 100 | K | S01 S02 T04 D80* | |
| 12 | P040 | 100 | K | S01 S02 T04 D80* | |
| 13 | P043 | 100 | K | S01 S02 T04 D80* | |
| 14 | P044 | 100 | K | S01 S02 T04 D80* | |
| 15 | P045 | 100 | K | S01 S02 T04 D80* | |
| 16 | U019 | 100 | K | S01 S02 T04 D80* | |
| 17 | U095 | 100 | K | S01 S02 T04 D80* | |
| 18 | U097 | 100 | K | S01 S02 T04 D80* | |
| 19 | U212 | 100 | K | S01 S02 T04 D80* | |
| 20 | P118 | 100 | K | S01 S02 T04 D80* | |
| 21 | P067 | 100 | K | S01 S02 T04 D80* | |
| 22 | P105 | 100 | K | S01 T01 D80 | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |

EPA Form 3510-3 (6-80)

*Additionally, Process Codes of T01,T02,S04

## IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

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 P R 0 0 9 1 0 1 8 6 7 2 2 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 01 05 | 66 41 03 |

## 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. |
|---|---|
| E Compania Ganadera del Sur, Inc. | 801-836-1086 |

| 3. STREET OR P.O. BOX | 4. CITY OR TOWN | 5. ST | 6. ZIP CODE |
|---|---|---|---|
| F Firm Delivery | G Ponce | PR | 00731 |

## IX. OWNER CERTIFICATION

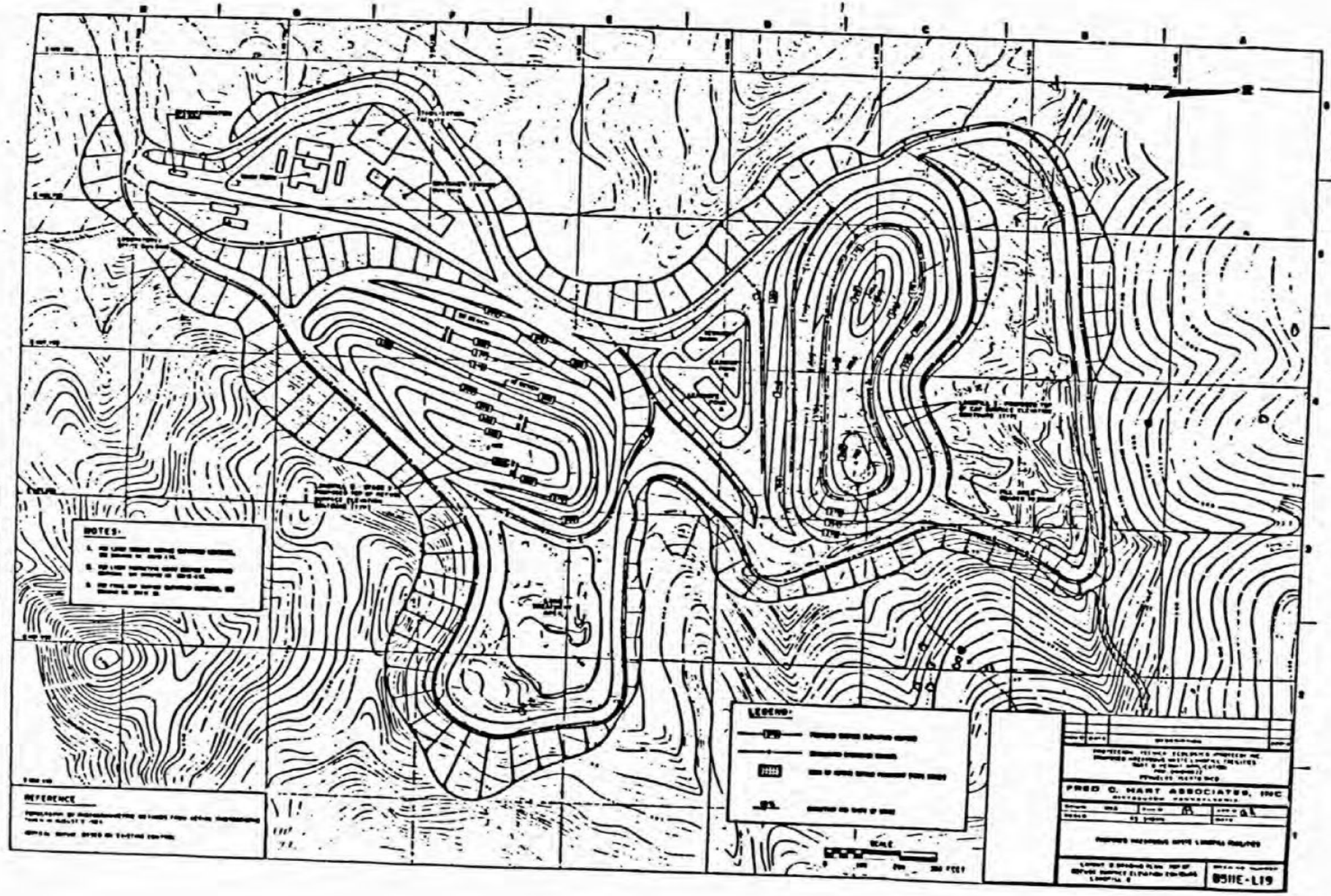
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, 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 |
|---|---|---|
| Lucas P. Valdivieso | Lucas P. Valdivieso | 4-1-86 |

## 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 |
|---|---|---|
| Jorge J. Fernandez | Jorge J. Fernández Rodríguez | 4-1-86 |


NOTES:
REFERENCE
LEGEND:
SCALE
FRED C. HART ASSOCIATES, INC.
85HE-L19

ATTACHMENT XII

FLOOD LEVEL PROFILE

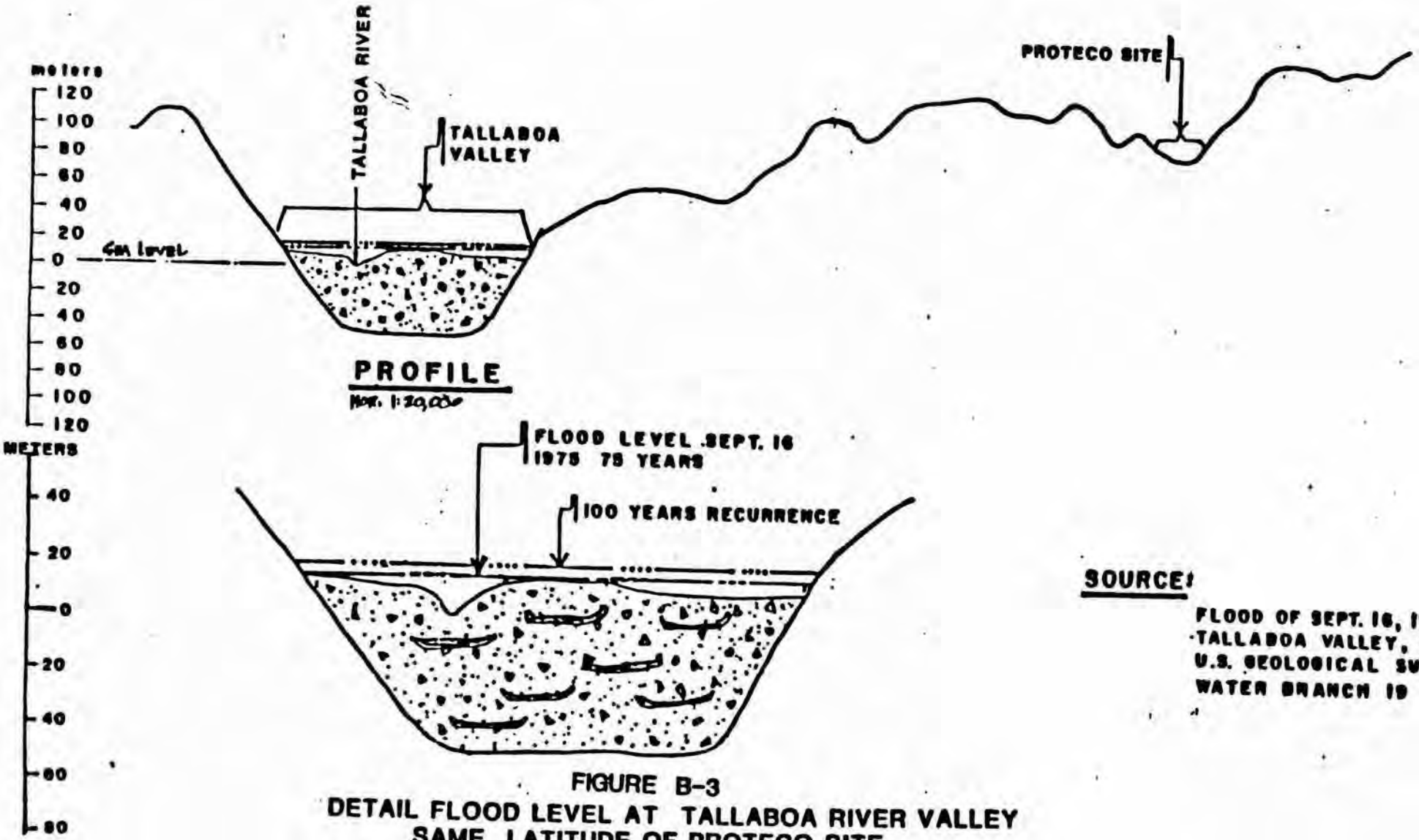
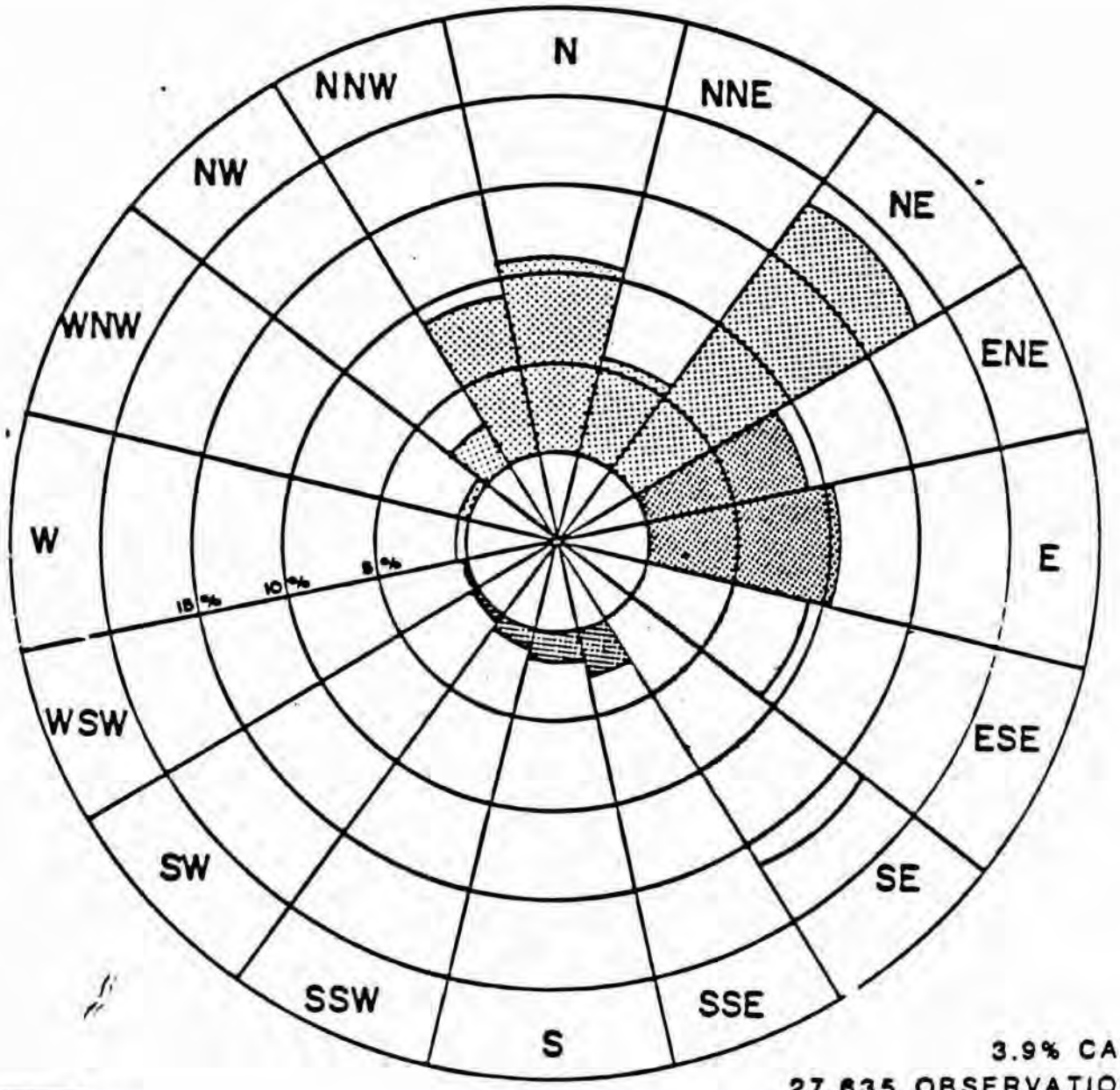



FIGURE B-3
DETAIL FLOOD LEVEL AT TALLABOA RIVER VALLEY
SAME LATITUDE OF PROTECO SITE

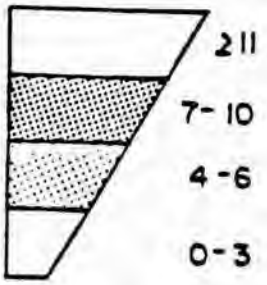
ATTACHMENT XIII

WIND ROSE

FIGURE B-6
WIND ROSE
SHOWING AVERAGE ANNUAL WINDSPEED AND DIRECTION




3.9% CALM
27,635 OBSERVATIONS




AVG. WIND SPEED, mph

PONCE, PUERTO RICO
LOSEY ARMY AIR FIELD
1941-1944

ATTACHMENT XIV

POPULATION DATA

## Table 1. Population and Housing Unit Counts for Puerto Rico by Municipios and Municipio Subdivisions: 1980 and 1970—Con.

[Counts relate to areas as delineated at each census. Information on boundary changes will be shown in the PC80-1-A report for this area. For meaning of symbols, see text]

| Puerto Rico<br>Municipios<br>Municipio Subdivisions | Population 1980 | Population 1970 | Housing units 1980 | Housing units 1970 |
|---|---|---|---|---|
| **Moca Municipio—Con.** | | | | |
| Moto barrio | 693 | 557 | 168 | (NA) |
| Pueblo barrio | 3 829 | (NA) | 1 073 | (NA) |
| Moca zone urbana (pt.) | 1 640 | (NA) | 427 | (NA) |
| Rocho barrio | 3 130 | 2 273 | 925 | (NA) |
| Voladoras barrio | 3 377 | 2 989 | 906 | (NA) |
| **Morovis Municipio** | 21 142 | 19 059 | 5 456 | 4 095 |
| Borahona barrio | 2 914 | 2 035 | 789 | (NA) |
| Borahona aldea | 1 930 | 1 679 | 513 | (NA) |
| [illegible] barrio | 1 021 | 1 023 | 256 | (NA) |
| [illegible] barrio | 3 602 | 2 509 | 917 | (NA) |
| [illegible] aldea | 2 228 | 1 356 | 541 | (NA) |
| [illegible] Llano barrio | 1 986 | (NA) | 502 | (NA) |
| Morovis zone urbana (pt.) | 1 065 | (NA) | 271 | (NA) |
| Morovis pueblo | 1 457 | (NA) | 499 | (NA) |
| Morovis zone urbana (pt.) | 1 457 | (NA) | 499 | (NA) |
| Morovis Norte barrio | 1 393 | (NA) | 394 | (NA) |
| Morovis zone urbana (pt.) | 115 | (NA) | 28 | (NA) |
| Morovis Sur barrio | 1 650 | (NA) | 397 | (NA) |
| Pasto barrio | 704 | 622 | 156 | (NA) |
| Perchas barrio | 942 | 1 088 | 218 | (NA) |
| Río Grande barrio | 592 | 657 | 143 | (NA) |
| San Lorenzo barrio | 1 047 | 1 054 | 252 | (NA) |
| Terracillas barrio | 419 | 374 | 122 | (NA) |
| Unibón barrio | 2 694 | 2 147 | 650 | (NA) |
| Vega barrio | 721 | 656 | 161 | (NA) |
| **Naguabo Municipio** | 20 617 | 17 996 | 6 921 | 5 026 |
| Daguao barrio | 2 003 | 2 294 | 745 | (NA) |
| Daguao aldea | 1 344 | 1 113 | 466 | (NA) |
| Roosevelt Roads aldea (pt.) | – | 460 | – | (NA) |
| [illegible] barrio | 2 668 | (NA) | 876 | (NA) |
| [illegible] aldea | 1 440 | ... | 489 | ... |
| Naguabo zone urbana (pt.) | 681 | (NA) | 200 | (NA) |
| Nuevas barrio | 1 418 | (NA) | 513 | (NA) |
| Malezales barrio | 1 261 | (NA) | 383 | (NA) |
| Mariana barrio | 1 450 | 1 407 | 526 | (NA) |
| Naguabo pueblo | 2 056 | (NA) | 847 | (NA) |
| Naguabo zone urbana (pt.) | 2 056 | (NA) | 847 | (NA) |
| Pima Pobre barrio | 3 152 | 2 218 | 883 | (NA) |
| Río barrio | 2 604 | (NA) | 869 | (NA) |
| Naguabo zone urbana (pt.) | 1 398 | (NA) | 445 | (NA) |
| Río Blanco barrio | 3 065 | 2 659 | 1 013 | (NA) |
| Río Blanco aldea | 1 433 | ... | 462 | ... |
| Santiago y Lima barrio | 940 | 1 042 | 256 | (NA) |
| **Naranjito Municipio** | 23 633 | 19 913 | 6 559 | 4 444 |
| Achiote barrio | 3 727 | (NA) | 1 001 | (NA) |
| Naranjito zone urbana (pt.) | 934 | (NA) | 233 | (NA) |
| Anones barrio | 3 218 | 3 310 | 852 | (NA) |
| Cedro Abajo barrio | 3 205 | 2 649 | 880 | (NA) |
| Cedro Arriba barrio | 2 281 | 1 830 | 604 | (NA) |
| Guadiana barrio | 3 248 | (NA) | 897 | (NA) |
| Naranjito zone urbana (pt.) | 151 | (NA) | 47 | (NA) |
| Jobos barrio | 3 004 | 2 528 | 854 | (NA) |
| Naranjito pueblo | 1 764 | (NA) | 587 | (NA) |
| Naranjito zone urbana (pt.) | 1 764 | (NA) | 587 | (NA) |
| Nuevo barrio | 3 186 | 2 528 | 884 | (NA) |
| **Orocovis Municipio** | 19 332 | 20 201 | 5 235 | 4 340 |
| Cima de la Piedra barrio | 390 | 554 | 159 | (NA) |
| Cintos barrio | 1 591 | 1 325 | 377 | (NA) |
| Santo Muertos aldea | 1 008 | ... | 223 | ... |
| Cuto Abajo barrio | 1 330 | 1 411 | 372 | (NA) |
| Cuto Arriba barrio | 474 | 709 | 137 | (NA) |
| Inmediatos barrio | 669 | 596 | 165 | (NA) |
| Jauca barrio | 3 394 | 2 999 | 905 | (NA) |
| Jobos barrio | 485 | 839 | 177 | (NA) |
| Jones barrio | 58 | 110 | 31 | (NA) |
| Limón Abajo barrio | 558 | 622 | 133 | (NA) |
| Limón Arriba barrio | 826 | 1 048 | 221 | (NA) |
| Lirio barrio | 1 162 | 817 | 372 | (NA) |
| Monte de Canas barrio | 584 | 573 | 170 | (NA) |
| Orocovis barrio | 3 120 | (NA) | 786 | (NA) |
| Orocovis pueblo | 1 256 | (NA) | 374 | (NA) |
| Orocovis zone urbana | 1 256 | 3 686 | 374 | (NA) |
| Pasos barrio | 651 | 799 | 139 | (NA) |
| Pozo barrio | 528 | 432 | 140 | (NA) |
| Tanamá barrio | 2 256 | 2 341 | 577 | (NA) |
| **Patillas Municipio** | 17 774 | 17 828 | 5 099 | 4 331 |
| Aguadero barrio | 772 | 801 | 225 | (NA) |
| Arroyo barrio | 1 686 | 1 544 | 499 | (NA) |
| Camboyano aldea | 1 155 | ... | 313 | ... |
| Cayo Alto barrio | 1 252 | (NA) | 381 | (NA) |
| Patillas zone urbana (pt.) | 327 | (NA) | 108 | (NA) |
| Cayo Bajo barrio | 1 718 | (NA) | 459 | (NA) |
| Palmas aldea (pt.) | 307 | 350 | 84 | (NA) |
| Patillas zone urbana (pt.) | 195 | (NA) | 41 | (NA) |
| Coco barrio | 141 | 80 | 30 | (NA) |
| Guardarraya barrio | 1 709 | 1 660 | 549 | (NA) |
| Macío aldea (pt.) | 789 | ... | 236 | ... |
| Mamey barrio | 1 078 | 1 454 | 305 | (NA) |
| Macío aldea (pt.) | 366 | ... | 103 | ... |
| Maní barrio | 349 | 501 | 109 | (NA) |
| **Patillas Municipio—Con.** | | | | |
| Marrero barrio | 1 798 | (NA) | 449 | (NA) |
| Patillas zone urbana (pt.) | 1 201 | (NA) | 278 | (NA) |
| Marín barrio | 1 313 | (NA) | 350 | (NA) |
| Patillas zone urbana (pt.) | 323 | (NA) | 86 | (NA) |
| Mulas barrio | 590 | 713 | 151 | (NA) |
| Muñoz Rivera barrio | 547 | 715 | 172 | (NA) |
| Patillas pueblo | 1 126 | (NA) | 444 | (NA) |
| Patillas zone urbana (pt.) | 1 126 | (NA) | 444 | (NA) |
| Pollos barrio | 2 320 | (NA) | 602 | (NA) |
| Quebrado Arriba barrio | 862 | 754 | 223 | (NA) |
| Ríos barrio | 493 | 696 | 151 | (NA) |
| **Peñuelas Municipio** | 19 116 | 15 973 | 5 299 | 3 553 |
| Barrazal barrio | 623 | 534 | 106 | (NA) |
| Coto barrio ★ | 1 031 | (NA) | 287 | (NA) |
| Cuevas barrio ★ | 389 | 340 | 129 | (NA) |
| Encarnación barrio ★ | 1 838 | 1 429 | 480 | (NA) |
| Tallaboa aldea | 1 059 | 1 155 | 241 | (NA) |
| Jaguas barrio | 1 752 | 1 397 | 482 | (NA) |
| Peñuelas zone urbana (pt.) | 754 | (NA) | 188 | (NA) |
| Macaná barrio | 828 | 900 | 240 | (NA) |
| Peñuelas pueblo | 2 279 | (NA) | 674 | (NA) |
| Peñuelas zone urbana (pt.) | 2 279 | (NA) | 674 | (NA) |
| Quebrado Caña barrio | 2 892 | 1 268 | 855 | (NA) |
| Peñuelas zone urbana (pt.) | 1 202 | (NA) | 389 | (NA) |
| Rucio barrio | 995 | 1 023 | 238 | (NA) |
| Santo Domingo barrio | 3 687 | 2 396 | 964 | (NA) |
| Santo Domingo aldea ★ | 1 884 | ... | 465 | ... |
| Tallaboa Alta barrio | 1 675 | 1 721 | 441 | (NA) |
| Tallaboa Alta aldea | 1 466 | 1 425 | 383 | (NA) |
| Tallaboa Ponencia barrio ★ | 699 | 679 | 215 | (NA) |
| Tallaboa Saleema barrio ★ | 678 | 758 | 188 | (NA) |
| **Ponce Municipio** | 189 046 | 158 981 | 55 078 | 39 587 |
| Anón barrio | 2 134 | 1 977 | 512 | (NA) |
| Bucana barrio | 4 179 | 547 | 1 186 | (NA) |
| Ponce zone urbana (pt.) | 4 179 | (NA) | 1 186 | (NA) |
| Canas barrio ★ | 21 900 | 5 381 | 5 921 | (NA) |
| Ponce zone urbana (pt.) | 19 365 | (NA) | 5 092 | (NA) |
| Canas Urbano barrio ★ | 22 253 | 23 947 | 6 718 | (NA) |
| Ponce zone urbana (pt.) | 22 253 | (NA) | 6 718 | (NA) |
| Capitaneja barrio | 1 409 | 1 343 | 405 | (NA) |
| Capitaneja aldea (pt.) | 596 | 489 | 157 | (NA) |
| Cerrillos barrio | 2 455 | 1 048 | 639 | (NA) |
| Ponce zone urbana (pt.) | 1 440 | (NA) | 363 | (NA) |
| Coto Laurel barrio | 5 192 | 3 940 | 1 374 | (NA) |
| Coto Laurel aldea | 2 240 | 1 761 | 563 | (NA) |
| Ponce zone urbana (pt.) | 130 | (NA) | 42 | (NA) |
| Cuarto barrio | 3 428 | 5 048 | 1 388 | (NA) |
| Ponce zone urbana (pt.) | 3 428 | (NA) | 1 388 | (NA) |
| Guaraguao barrio | 1 280 | 1 396 | 378 | (NA) |
| Machuelo Abajo barrio | 15 593 | 10 487 | 4 322 | (NA) |
| Ponce zone urbana (pt.) | 15 593 | (NA) | 4 322 | (NA) |
| Machuelo Arriba barrio | 11 703 | 8 218 | 2 993 | (NA) |
| Ponce zone urbana (pt.) | 9 689 | (NA) | 2 456 | (NA) |
| Maguayes barrio ★ | 4 224 | 2 813 | 1 624 | (NA) |
| Ponce zone urbana (pt.) | 5 383 | (NA) | 1 379 | (NA) |
| Maguayes Urbano barrio | 1 674 | 662 | 457 | (NA) |
| Ponce zone urbana (pt.) | 1 674 | (NA) | 457 | (NA) |
| Marbuez barrio | 1 947 | 1 747 | 544 | (NA) |
| Maruyo barrio | 2 086 | 724 | 531 | (NA) |
| Maruyo aldea | 1 358 | ... | 345 | ... |
| Monte Llano barrio | 391 | 302 | 143 | (NA) |
| Playa barrio | 20 253 | 13 314 | 5 550 | (NA) |
| Ponce zone urbana (pt.) | 20 253 | (NA) | 5 550 | (NA) |
| Portugués barrio | 3 145 | 1 559 | 779 | (NA) |
| Ponce zone urbana (pt.) | 2 063 | (NA) | 519 | (NA) |
| Portugués Urbano barrio | 9 508 | 7 547 | 2 675 | (NA) |
| Ponce zone urbana (pt.) | 9 508 | (NA) | 2 675 | (NA) |
| Primero barrio | 4 093 | 5 289 | 1 497 | (NA) |
| Ponce zone urbana (pt.) ★ | 4 093 | (NA) | 1 497 | (NA) |
| Quebrada Limón barrio | 856 | 667 | 272 | (NA) |
| Ponce zone urbana (pt.) | 502 | (NA) | 159 | (NA) |
| Quinto barrio | 1 247 | 1 533 | 518 | (NA) |
| Ponce zone urbana (pt.) | 1 247 | (NA) | 518 | (NA) |
| Real barrio | 2 464 | 1 696 | 620 | (NA) |
| Sabanetas barrio | 7 655 | 7 558 | 1 946 | (NA) |
| Ponce zone urbana (pt.) | 7 514 | (NA) | 1 909 | (NA) |
| San Antón barrio | 11 219 | 12 980 | 3 363 | (NA) |
| Ponce zone urbana (pt.) | 11 219 | (NA) | 3 363 | (NA) |
| San Patricio barrio | 115 | 597 | 34 | (NA) |
| Segundo barrio | 13 555 | 19 541 | 4 888 | (NA) |
| Ponce zone urbana (pt.) | 13 555 | (NA) | 4 888 | (NA) |
| Sexto barrio | 7 395 | 10 672 | 2 652 | (NA) |
| Ponce zone urbana (pt.) | 7 395 | (NA) | 2 652 | (NA) |
| Tercero barrio | 1 096 | 1 338 | 355 | (NA) |
| Ponce zone urbana (pt.) | 1 096 | (NA) | 355 | (NA) |
| Tibes barrio | 1 437 | 1 475 | 400 | (NA) |
| Vayas barrio | 1 160 | 1 375 | 374 | (NA) |
| Ponce zone urbana (pt.) | 160 | (NA) | 45 | (NA) |

★ Population centers within 4 mi of Proteco

SOURCE: U.S. Bureau of Census

ATACHMENT XV

SAMPLING REPORT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: October 11, 1984

SUBJECT: RCRA sampling inspection at Servicios Carbareon, Inc., Penuelas, Puerto Rico (PRD091018622)

FROM: Joseph V. Cosentino, Environmental Scientist
Source Monitoring Section J.V.C.

TO: Ernest Regna, Chief
Solid Waste Branch

THRU: John Ciancia, Chief
Source Monitoring Section John Ciancia

Richard D. Spear, Chief
Surveillance and Monitoring Branch RDSpear

On March 21-22, 1984 a RCRA sampling survey was conducted at Servicios Carbareon, Inc. (PRD091018622) located on Rt. 385, Km 3.5 in Penuelas, Puerto Rico. Participating in this inspection were Louis DiGuardia, Mike Glogower, Brian Kovak, Nick Magriples and myself. Myra Perez, Ivette DeJesus, Olga Aveles, Roberto Berberena, Yazmin Lopez, Maria Rodriquez, Dulcillo Medina and Jose Torraca of the Environmental Quality Board (EQB) of Puerto Rico accompanied EPA. Also present were Edert Ortiz, Director of Operations, Juan Negron, Chief Chemist, Mario Rissy, Compliance Officer for Servicios Carbareon and Adolfo Valdes of Envirolabs Inc.

FCH Acc

Servicios Carbareon is engaged in the transport, treatment, and storage and disposal of industrial wastes, both hazardous and non-hazardous. A site map and legend are attached as Figure 1.

This survey, conducted at the request of the Solid Waste Branch was to verify site conditions, groundwater monitoring data and unit closures. The areas of concern were: a waste oil lagoon, non-hazardous waste landfarm, drum storage area, lindane storage tank area and the ground water monitoring wells.

As a result, the following samples were collected at the locations described:

- Sample #66055 was a composite of soil (surface to 4 inches deep) collected from the eastern half of the drum storage area for organics and metals analysis. The drum storage area, designated as #4 on site map and shown in photographs # 4 & 6 has an earthen floor and dike. The floor of the storage area did not appear to be sloped nor was a system for removal of spills, leaks or precipitation evident. At the time of this inspection, approximately 150 plastic bags (yellow) containing electroplating sludge were being stored for Digital Equipment Corporation pending the outcome of a petition to exclude the waste from regulation. Several of the bags were torn and a portion of their contents had spilled onto the ground. Also, about 100 drums of various wastes (i.e. solvents, tars and scrap thermometers) were being stored prior to immobilization.

DRUM (Soil)

PA Form 1320-6 (Rev. 3-76)

- Sample #66056 was a composite of soil (surface to 4 inches deep) collected from the western half of the drum storage area for organics and metals analysis. DRUM (SOI)

- Sample #66057 was a single grab collected from the oil lagoon for metals and organics analysis. The lagoon is designated as #9 on site map and is shown in photographs #7 & 8. The lagoon is unlined and used for the storage of various petroleum wastes. Accumulated water and rainwater are pumped to an adjacent rainwater lagoon, number 13 on site map. Non Haz Oil lagoon

- Sample #66058 was a composite of soil (surface to 5 inches deep) collected around an above ground lindane storage tank for EP toxicity (organics) analysis. The tank designated as #15 on site map is shown in photographs 3 and 14. An earthen containment system surrounds the tank. Photograph #15 shows the former lindane storage tank, no longer in use. The lindane is disposed of via solidification/immobilization. ? Did [illegible] or [illegible]?

- Sample #66059 was a composite of soil (surface to 5 inches deep) collected from the southern half of the landfarm for organics analysis. This area designated as #14 on site map is shown in photographs 9 thru 13. The landfarm is used for disposal of non-hazardous industrial wastes (i.e. sludges, off-spec food stuffs and off-spec pharmaceuticals). NONHAZ Landfarm

- Sample #66060 was a composite of soil (surface to 5 inches deep) collected from the northern half of the landfarm for organics analysis. Landfarm

- Sample #66062, 66063 and 66064 were grabs from the facility's downgradient RCRA monitoring wells collected for organics analysis. It would appear from the information on hydrogeologic conditions at this site that these wells are not downgradient of the regulated waste treatment/disposal units (see Figure 3). Downgradient wells

- Sample #66065 was a grab from the facility's upgradient RCRA well collected for organics analysis. Upgradient well

- Sample #66066 was a grab sample collected from the oil lagoon for testing as an ignitable waste. Oil lagoon

- Sample #66067 was a grab from the rainwater lagoon collected for organics analysis. This unit is designated as #13 on the site map and shown in photographs 16 thru 19. This lagoon was selected for sampling after a small tank truck was observed discharging an unknown substance into it (see photograph #18). Rainwater lagoon

?) [illegible]ple of [illegible]ck discharge?

All samples were collected in accordance with EPA standard procedures. Figures 2 and 3 depict sample locations. Figure 4 presents monitoring well measurements taken prior to sample collection.

All samples were analyzed at EPA's Edison, NJ laboratory. The data obtained from the analyses is attached as Tables 0 thru 4. Table 0 presents the organic compounds for which analysis was conducted. Tables 1 and 2 present the results of the organics analysis. Table 3 presents the results of metals analysis and Table 4 presents the results of ignitability testing and EP toxicity analysis.

The results indicate significant metals contamination of the soil in the drum storage area and significant organics contamination in the oil lagoon and non-hazardous landfarm. The designated RCRA monitoring wells were relatively free of organics contamination. However, well depths and locations in light of hydrogeologic conditions at the site make this data questionable at best.

Attachments:

Table 0 - List of Organic Compounds for which Analysis was Conducted.
Table 1 - Results of Organics Analysis on Samples Collected 2-21-84.
Table 2 - Results of Organics Analysis on Samples Collected 2-22-84.
Table 3 - Results of Metals Analysis
Table 4 - Results of Ignitability and E.P. Toxicity Analysis

Figure 1 - Site Map and Legend.
Figure 2 - Sample Location Map.
Figure 3 - Well and Well Sample Location Map.
Figure 4 - Monitoring Well Measurements.

Appendix 1 - Photographs taken at Servicios Carbareon.
Appendix 2 - Receipt for Samples.

cc: John Jimenez - AWM-SW

Table O

## Organic Compounds for which Analysis was Conducted

Sample Numbers; 66055, 66056, 66057, 66059; 66060, 66062, 66063, 66064, 66065 and 66067

### Acid Compounds

2,4,6-trichlorophenol
p-chloro m-cresol
2-chlorophenol
2,4-dichlorophenol
2,4-dimethylphenol
2-nitrophenol
4-nitrophenol
2,4-dinitrophenol
4,6-dinitro o cresol
pentachlorophenol
phenol

### Base/Neutral Compounds

acenaphthene
benzidine
1,2,4-trichlorobenzene
hexachlorobenzene
hexachloroethane
bis(2-chloroethyl)ether
2-chloronaphthalene
1,2 dichlorobenzene
1,3-dichlorobenzene
1,4-dichlorobenzene
3,3'-dichlorobenzidine
2,4-dinitrotoluene
2,6 dinitrotoluene
1,2-diphenylhydrazine (as azobenzene)
fluoranthene
4-chlorophenyl phenyl ether

### Base/Neutral Compounds

4-bromophenyl phenyl ether
bis-(2-chloroisopropyl)ether
bis(2-chloroethoxy)methane
hexachlorobutadiene
hexachlorocyclopentadiene
isophorone
naphthalene
nitrobenzene
N-nitrosodiphenylamine
N-nitrosodi-n-propylamine
bis(2-ethylhexyl)phthalate
butyl benzyl phthalate
di-n-butyl phthalate
di-n-octyl phthalate
diethyl phthalate
dimethyl phthalate
benzo(a)anthracene
benzo(a)pyrene
3,4-benzofluoranthene
benzo(k)fluoranthene
chrysene
acenaphthylene
anthracene
benzo(ghi)perylene
fluorene
phenanthrene
dibenzo(a,h)anthracene
indeno(1,2,3-cd)pyrene
pyrene

### Volatiles

acrolein
acrylonitrile
benzene
carbon tetrachloride
chlorobenzene
1,2-dichloroethane
1,1,1-trichloroethane
1,1-dichloroethane
1,1,2-trichloroethane
1,1,2,2,-tetrachloroethane
chloroethane
2-chloroethylvinyl ether
chloroform
1,1-dichloroethene
1,2-trans-dichloroethene
1,2-dichloropropane
1,3-dichloropropene
ethylbenzene
methylene chloride
chloromethane
bromoethane
bromoform
dichlorobromomethane
trichlorofluoromethane
dichlorodifluoromethane
chlorodibromomethane
tetrachloroethylene
toluene
trichloroethylene
vinyl chloride

### Pesticides

aldrin
dieldrin
chlordane
4,4'-DDT
4,4'-DDE
4,4'-DDD
endosulfan I
endosulfan II
endosulfan sulfate
endrin
endrin aldehyde
heptachlor
heptachlor epoxide
HCH-Alpha
HCH-beta
HCH-delta
HCH-Gamma
PCB-1242
PCB-1254
PCB-1221
PCB-1232
PCB-1248
PCB-1260
PCB-1016
toxaphene

### Dioxins

2,3,7,8-tetrachlorodibenzo-p-dioxin

**Results of Organics Analysis on Samples Collected at Servicios Carbareon**

**Febuary 21,1984**

Composite of areas

| Compounds Identified | #66055 Drum storage area #1 (soil) | #66056 Drum storage area #2 (soil) | #66057 Oil lagoon (liquid) | #66059 Non-hazardous land farm #1 (soil) | #66060 Non-hazardous land farm #2 (soil) |
|---|---|---|---|---|---|
| 1,2-dichlorobenzene T | | | | | |
| fluoranthene T | | 160. ug/kg | | | |
| isophorone | | | | 2000. ug/kg | |
| naphthalene T | | | | | |
| bis(2-ethylhexyl)phthalate T | 18000. ug/kg | 15000. ug/kg | 290000. ug/1 | 1600. ug/kg | 5300. ug/kg |
| butyl benzyl phthalate | | | | 52000. ug/kg | 190000. ug/kg |
| di-n-butyl phthalate | | | | | |
| di-n-octyl phthalate | | | | | |
| diethyl phthalate | | | | | |
| fluorene | | | | | |
| phenanthrene | | | | 2000. ug/kg | |
| pyrene | | | 160000. ug/1 | 10000. ug/kg | 36000. ug/kg |
| benzene | | | 17000. ug/1 | 4000. ug/kg | 8000. ug/kg |
| 1,2-dichloroethane | | | | 140. ug/kg | 1300. ug/kg |
| 1,1,1-trichloroethane | 38. ug/kg | 31. ug/kg | 280000. ug/1 | 3300. ug/kg | 2200. ug/kg |
| 1,1-dichloroethane | | | 9300. ug/1 | 5800. ug/kg | 76000. ug/kg |
| chloroform | | | | 200. ug/kg | 2900. ug/kg |
| 1,1-dichloroethene | | | | 20000. ug/kg | 63000. ug/kg |
| ethylbenzene | | | | 140. ug/kg | 2500. ug/kg |
| methylene chloride | | | | 1100. ug/kg | 2500. ug/kg |
| bromomethane | 80. ug/kg | | | 1000. ug/kg | 3800. ug/kg |
| tetrachloroethylene | | | | | |
| toluene | 64. ug/kg | 290. ug/kg | 120000. ug/1 | 14000. ug/kg | 230000. ug/kg |
| trichloroethylene | | | 110000. ug/1 | 7800. ug/kg | 57000. ug/kg |
| BHC-Gama | 60.3 ug/kg | | 26000. ug/1 | 1600. ug/kg | 21000. ug/kg |
| | | | | 42400. ug/kg | 1308. ug/kg |

Composite N & S

Samples by SCS in center

2 grab samples

**Results of Organics Analysis on Samples Collected at Servicios Carbareon**

**Febuary 22, 1984**

| Compounds Identified | #66062 Well #1W81 -downgradient- | #66063 Well #2W81 -downgradient- | #66064 Well #12W83 -downgradient- | #66065 Well # 11W83 -upgradient- | #66067 Rain water lagoon |
|---|---|---|---|---|---|
| 1,2-dichlorobenzene | | | | | |
| fluoranthene | | | | | |
| isophorone | | | | | |
| naphthalene | | | | | |
| bis(2-ethylhexyl)phthalate | | | | | |
| butyl benzyl phthalate | 3 ug/1 | 3 ug/1 | | | |
| di-n-butyl phthalate | | 4 ug/1 | | 350 ug/1 | 17 ug/1 |
| di-n-octyl phthalate | | | | | |
| diethyl phthalate | | | | 3 ug/1 | |
| fluorene | | | | | |
| phenanthrane | | | | | |
| pyrene | | | | | |
| benzene | | | | | |
| 1,2-dichloroethane | | | | | 40 ug/1 |
| 1,1,1-trichloroethane | | | | | 13 ug/1 |
| 1,1-dichloroethane | 7.1 ug/1 | 57 ug/1 | | | |
| chloroform | 3.0 ug/1 | 44 ug/1 | | | |
| 1,1-dichloroethene | | | | | |
| ethylene | | | | | |
| methylene chloride | | | | | |
| bromomethane | | | | | |
| tetrachloroethylene | | | | | |
| toluene | | | | | |
| trichloroethylene | | | | | |
| BHC-Gama | | | | | |

- Table 3 -

## Results of Metals Analysis on Samples Collected at Servicios Carbareon

| EP Toxicity mg/l | Parameter | #66055 Drum storage area #1 | #66056 Drum storage area #2 | #66057 Oil lagoon |
|---|---|---|---|---|
| ~~5.0~~ 5.0 | silver | — | — | — |
| ~~100~~ 5.0 | arsenic | 18 mg/kg | 24 mg/kg | — |
| | beryllium | 1.7 mg/kg | 1.7 mg/kg | .84 mg/kg |
| 1.0 | cadmium | — | — | — |
| 5.0 | chromium (Total or Tri) | 460 mg/kg | 81 mg/kg | — |
| | copper | 800 mg/kg | 43 mg/kg | 3.4 mg/kg |
| 0.2 | mercury | 3.0 mg/kg | 4.0 mg/kg | — |
| 5.0 | lead | 160 mg/kg | 51 mg/kg | — |
| | nickel | — | 60 mg/kg | — |
| | antimony | — | — | — |
| 1.0 | selenium | — | — | — |
| | thallium | — | — | — |
| | zinc | 160 mg/kg | 130 mg/kg | 21 mg/kg |

## Results of Ignitability and EP Toxicity Analysis on Samples Collected at Servicios Carbareon

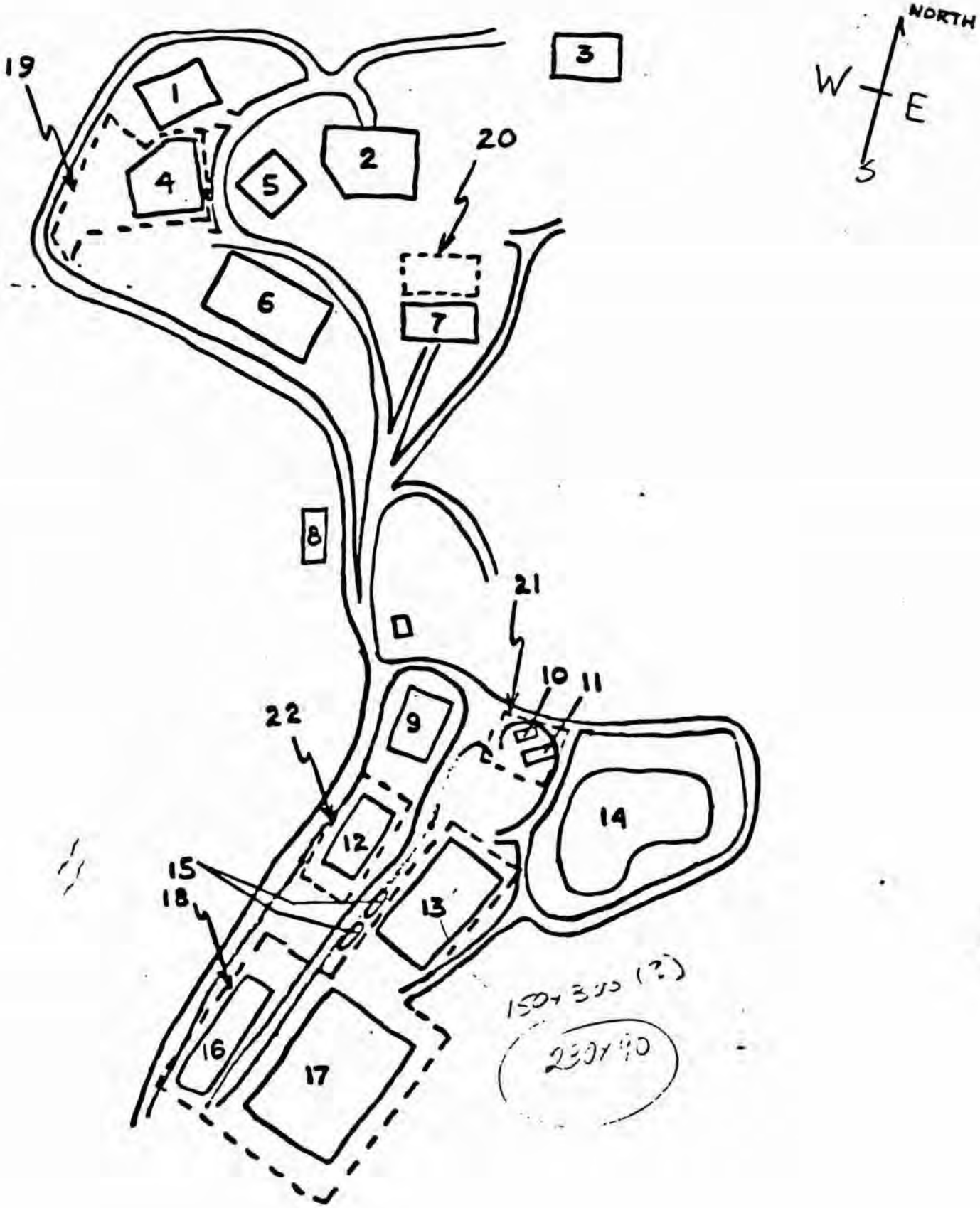
| Parameter | #66058 Lindane Storage Tank | #66066 Oil Lagoon |
|---|---|---|
| EP Toxicity (organics) | 0 | — |
| Endrin | 0 | — |
| Gamma BHC (lindane) | 0 | — |
| Methoxychlor | 0 | — |
| 2,4,D | 0 | — |
| Silvex | 0 | — |
| Toxaphene | 0 | — |
| Flash point | — | >140 |

0 = Sample not analyzed due to lab accident

FIGURE 1

# —SERVICIOS CARBAREON, INC.—

## FACILITY DRAWING



## Servicios Carbareon, Inc.

## Site Map Legend

1 - Landfill, drum burial

2 - Landfill, drum burial

3 - Landfill, drum burial

4 - Drum storage area

5 - Landfill, drum burial

6 - Sanitary landfill

7 - Lagoon, corrosive waste

8 - Landfill, drum burial

9 - Lagoon, oil

10 - Immobilization area

11 - Immobilization area

12 - Land application area

13 - Lagoon, rainwater

14 - Land application

15 - Tank storage area

16 - Immobilization area

17 - Surface impoundment (future)

18 - Immobilization area expansion (proposed)

19 - Immobilization area expansion (proposed)

20 - Corrosive lagoon expansion (proposed)

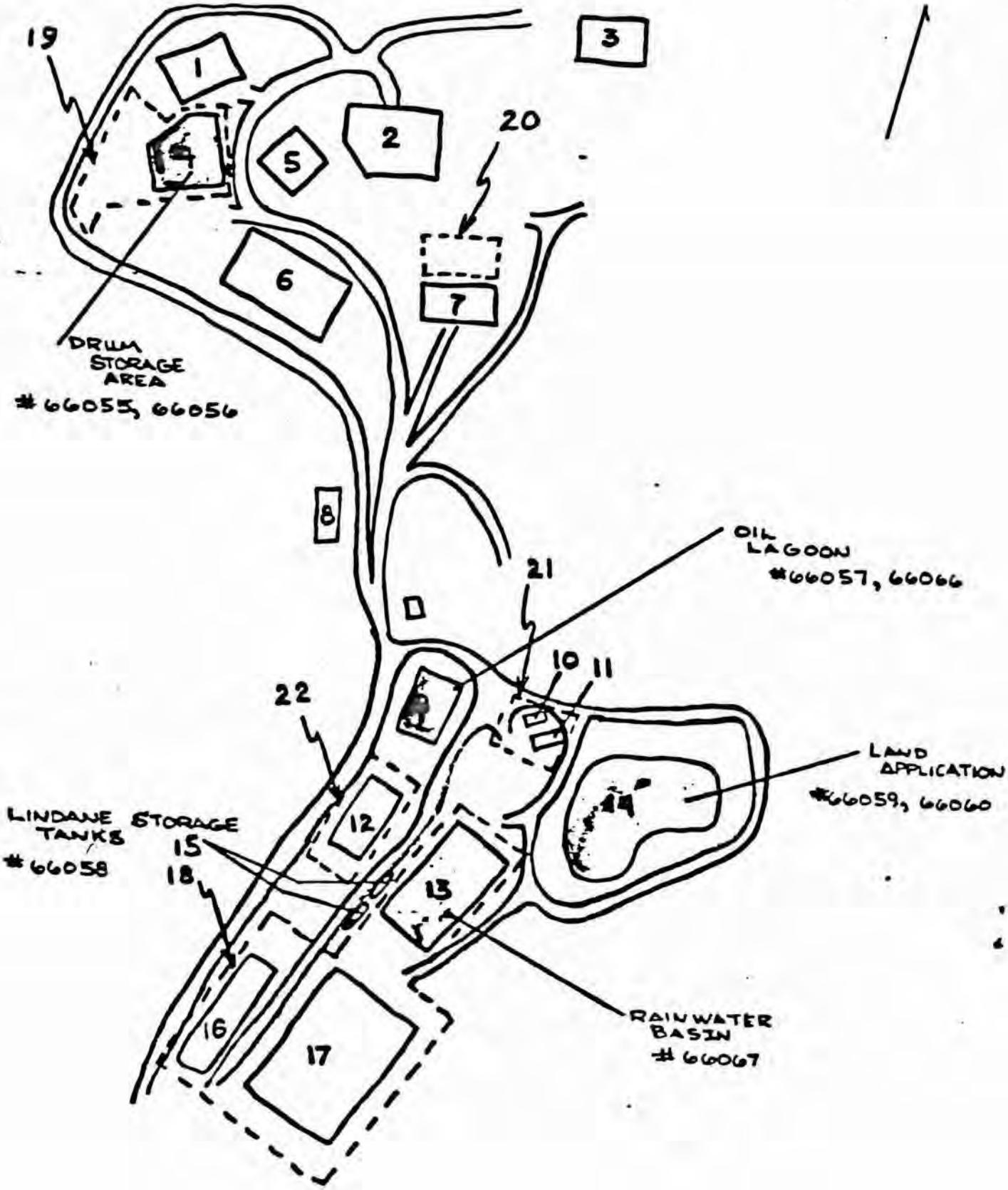
21 - Drum storage area (proposed)

22 - Lagoon, rainwater (proposed)

FIGURE 2

# —SERVICIOS CARBAREON, INC.—

## FACILITY DRAWING



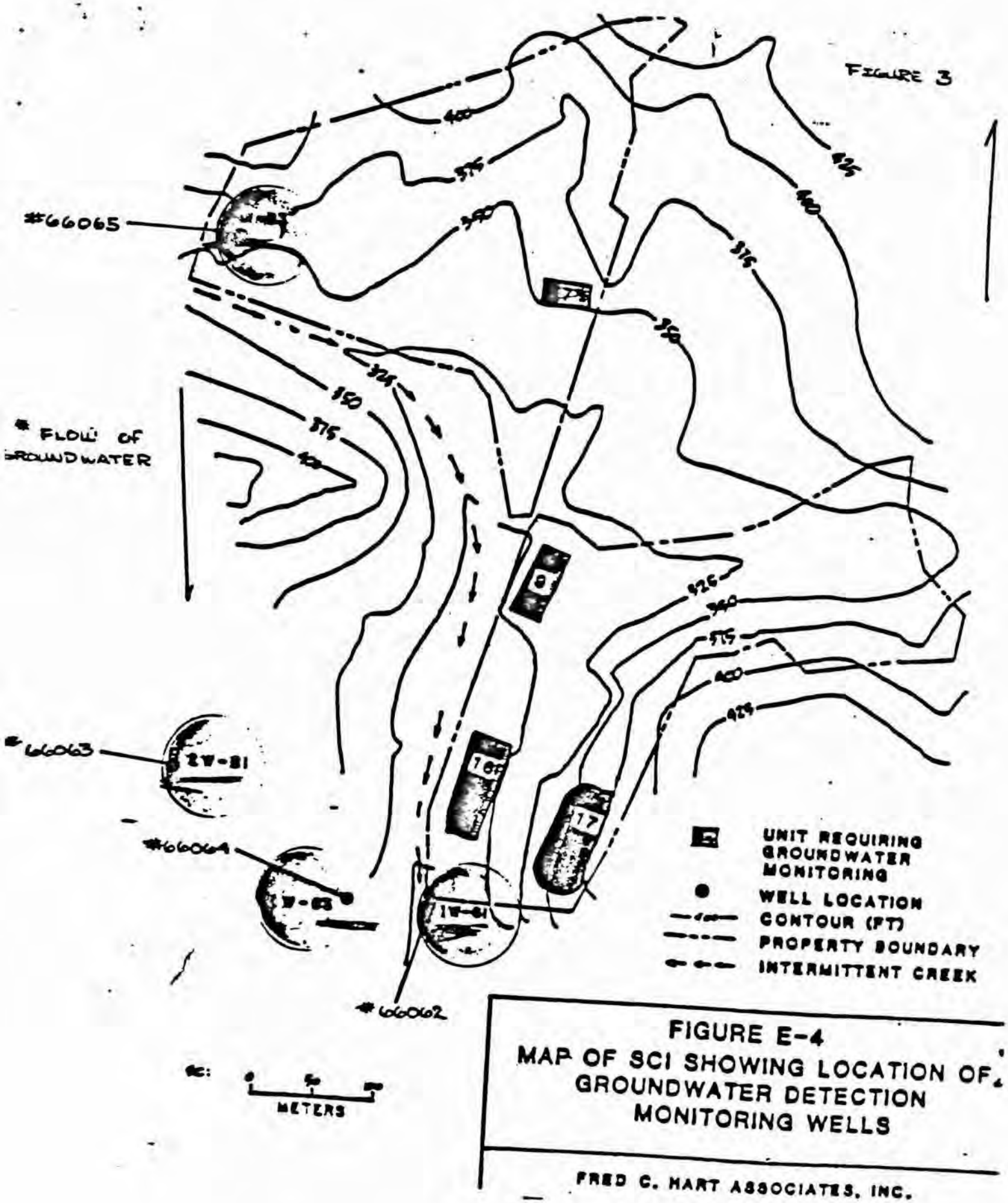



FIGURE E-4
MAP OF SCI SHOWING LOCATION OF GROUNDWATER DETECTION MONITORING WELLS

FRED C. HART ASSOCIATES, INC.

—SERVICIOS CARBAREON, INC—

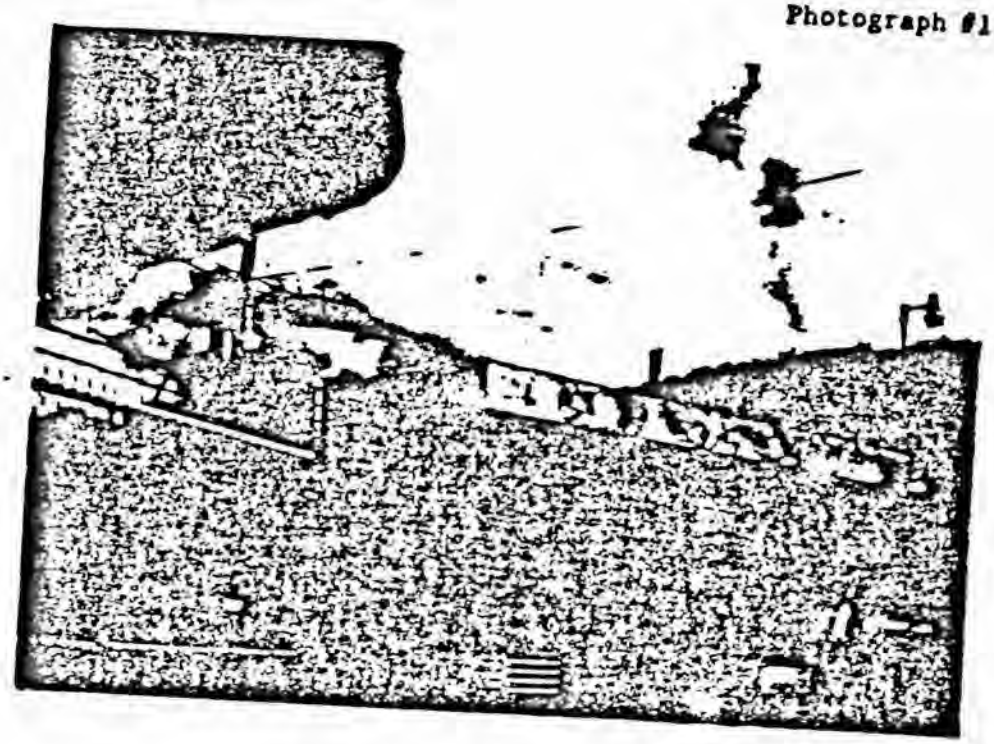
CORDING TO HYDROGEOLOGIC

Figure 4

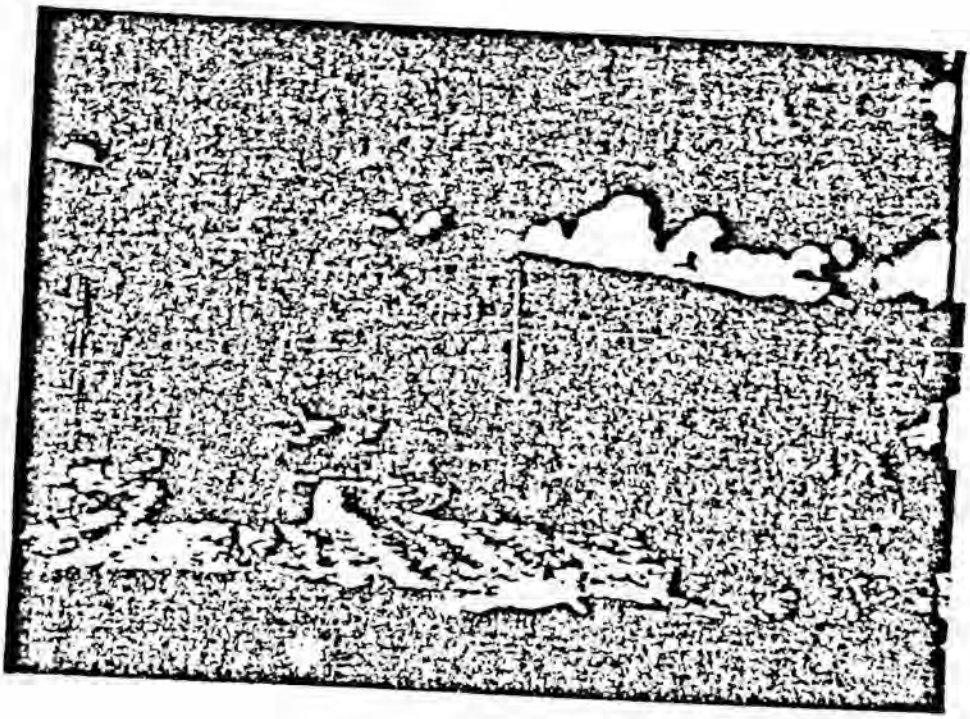
## Servicios Carbareon - Monitoring Well Measurements

| Well number | 1W-81 | 2W-81 | 11W-83 | 12W-83 |
|---|---|---|---|---|
| Original Depth of Well | 229 ft. | 240 ft. | 193 ft. | 175 ft. |
| Well size | 2.5 in. | 2.5 in. | 2.5 in. | 2.5 in. |
| Water level (from top) | 77 ft. | 76 ft. | 172 ft. | 90 ft. |
| Height of water (from bottom) | 152 ft. | 164 ft. | 21 ft. | 85 ft. |
| Water level after bailing | 228 ft. | 217 ft. | 184 ft. | 175 ft. |
| Volume of water evacuated | 41 gal. | 46 gal. | 30 gal. | 22 gal. |
| Volume necessary to evacuate one well volume | 38 gal. | 42 gal. | 5 gal. | 22 gal. |

Photograph #1 - Entrance to facility from Rt. 385.



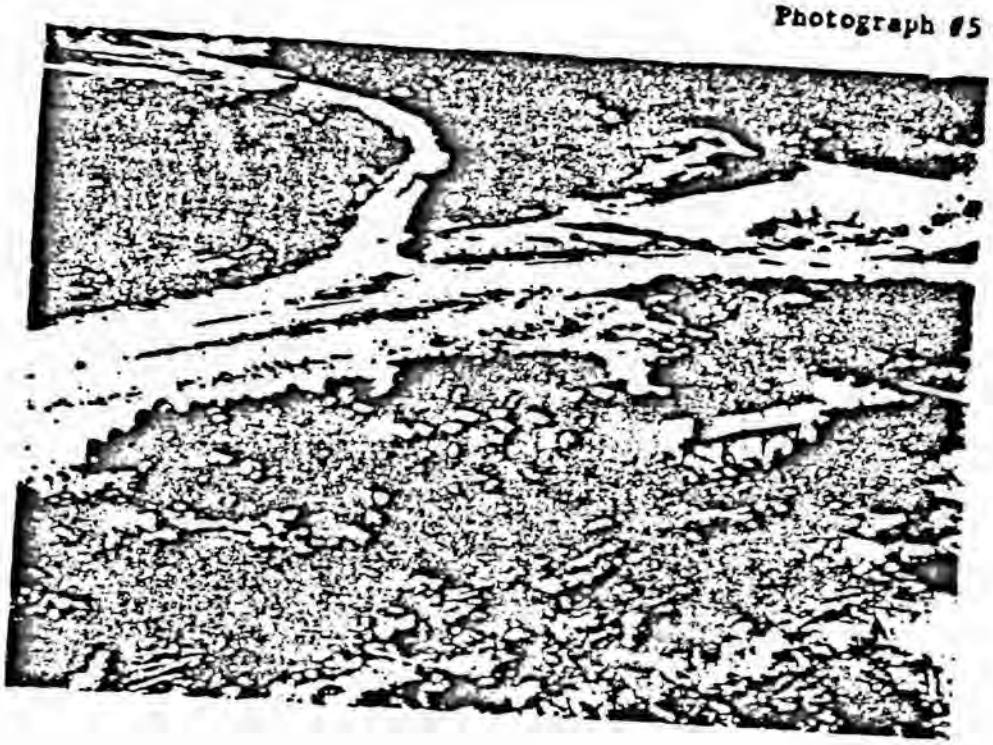
Photograph #2 - Entrance to actual waste disposal site.



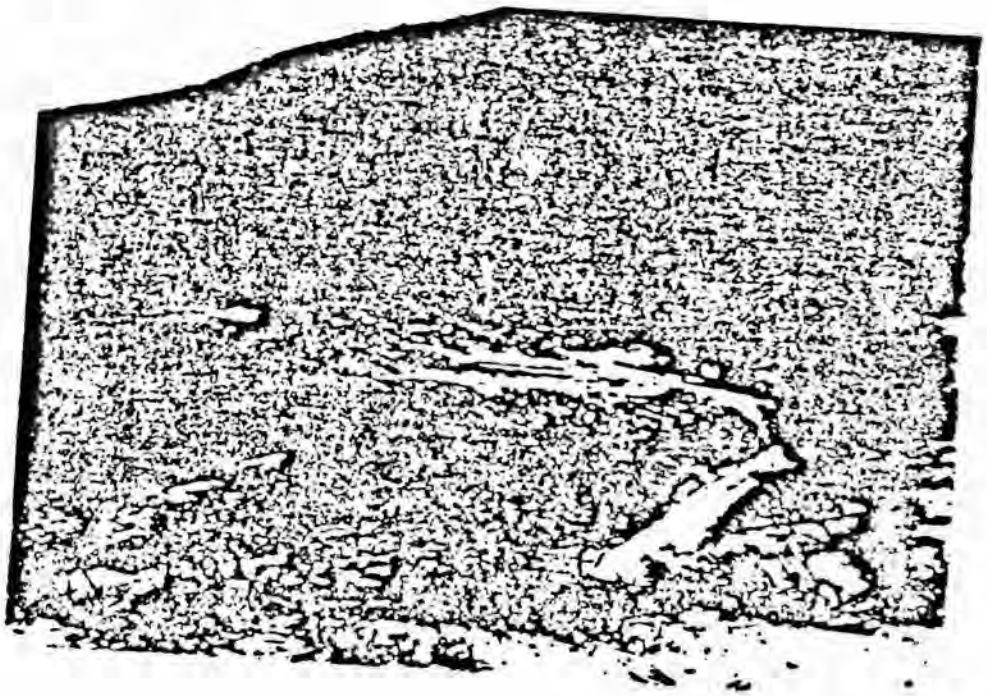
Photograph #3 - General site view looking south from center of site.

Photograph #4 - General site view looking north-west from center of site.

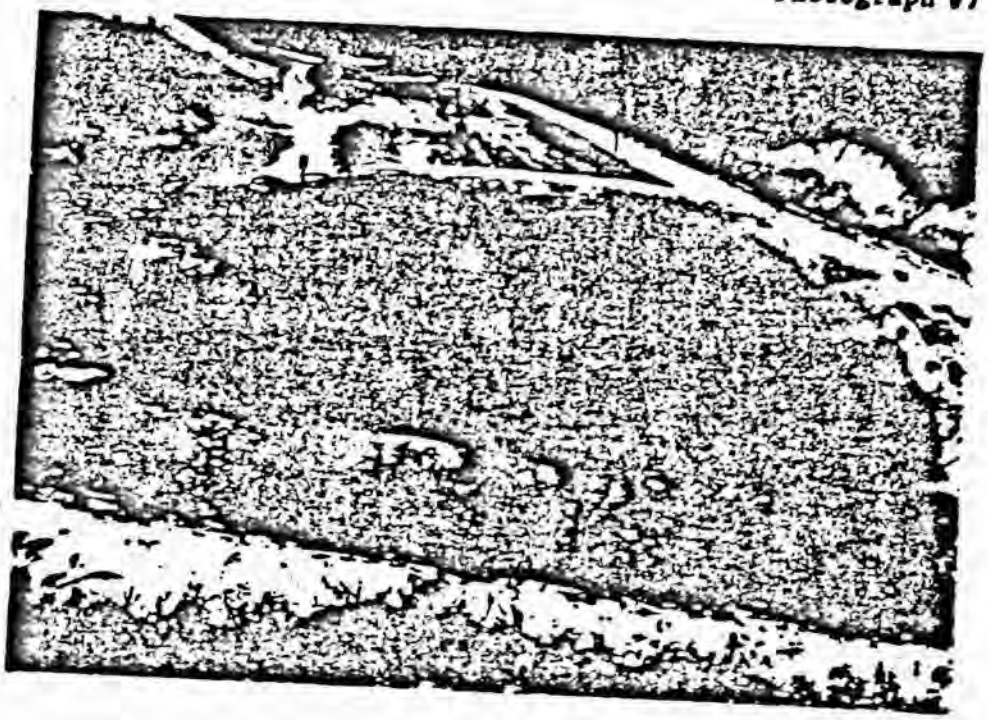
Photograph #5 - Empty dru
area.



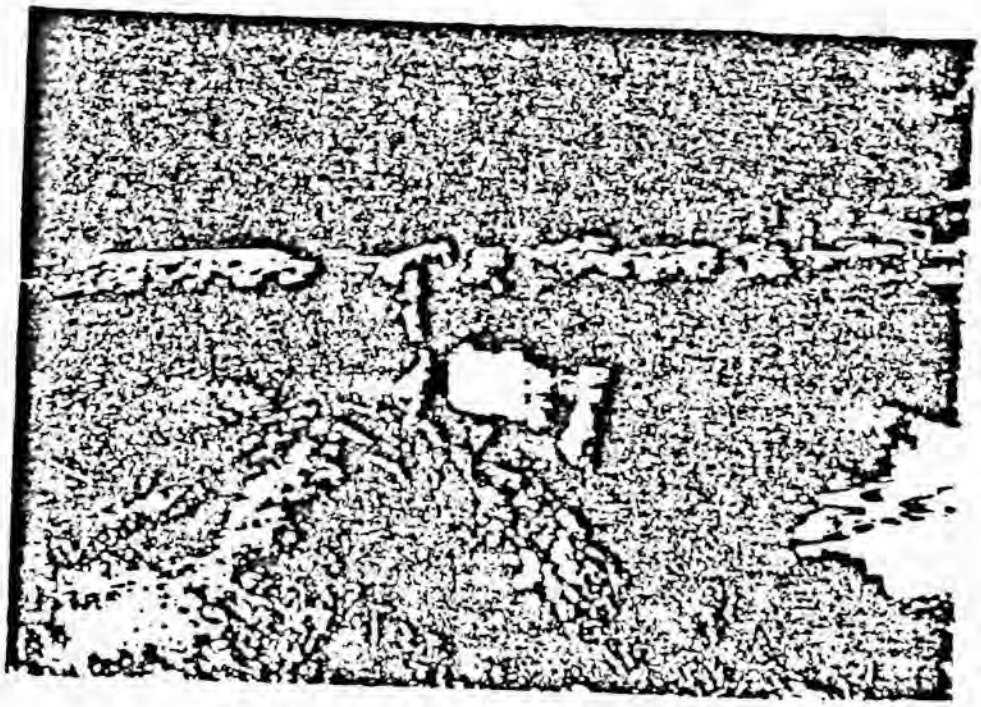
Photograph #6 - Drum storage area
(#4 on site map).
Yellow bags contain
electroplating sludge.



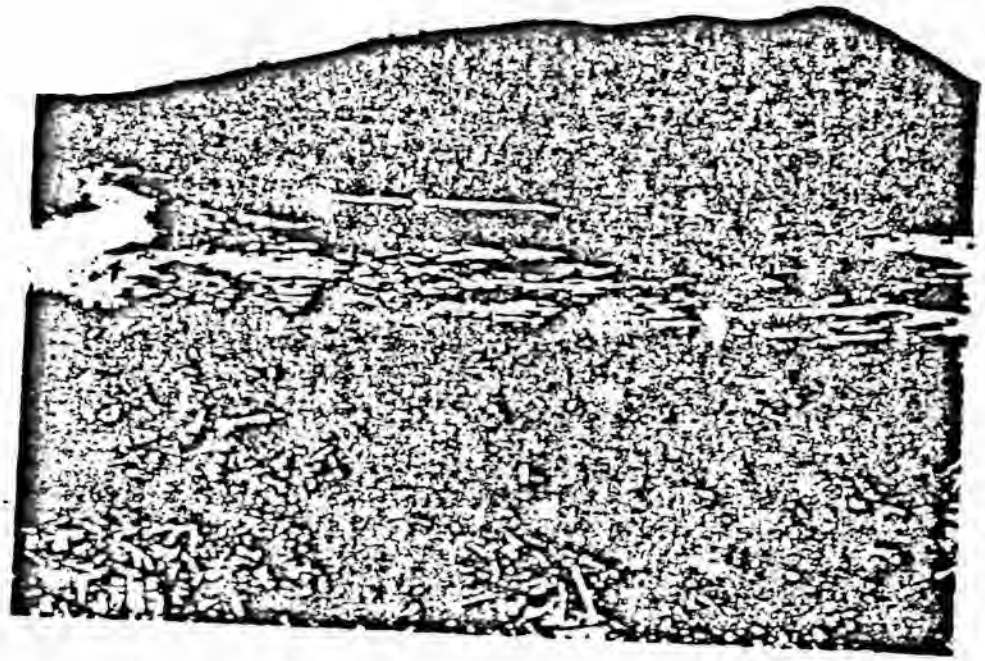
Photograph #7 - Shows oil lagoon, lindane storage tank and immobilization area.



Photograph #8 - Collection of sample #66057 from oil lagoon.



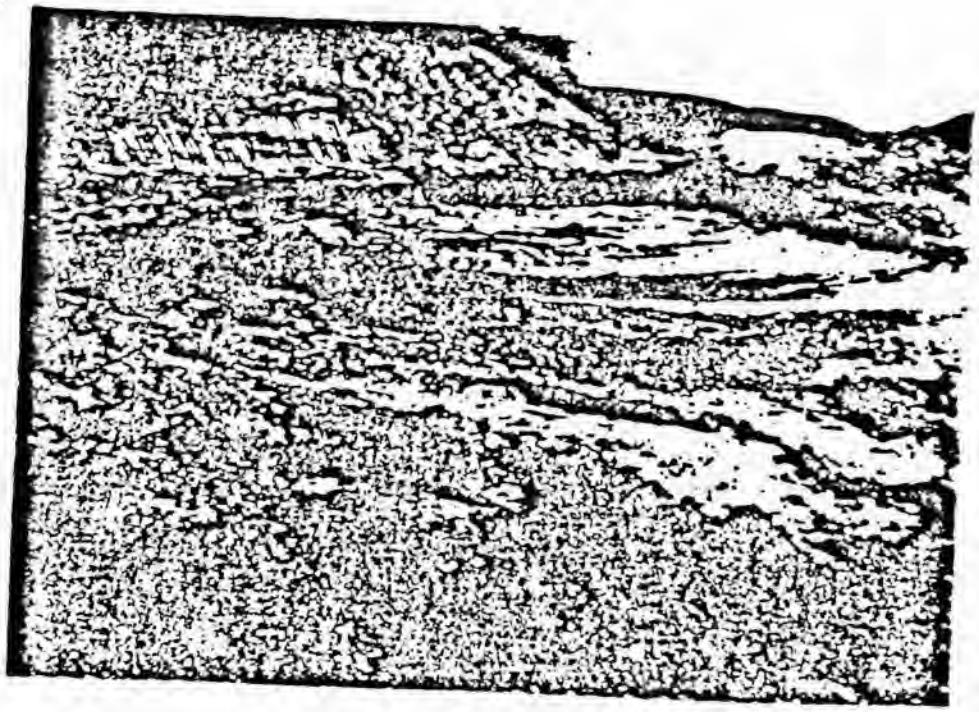
Photograph #9 - General view of landfarm used for non-hazardous waste disposal.



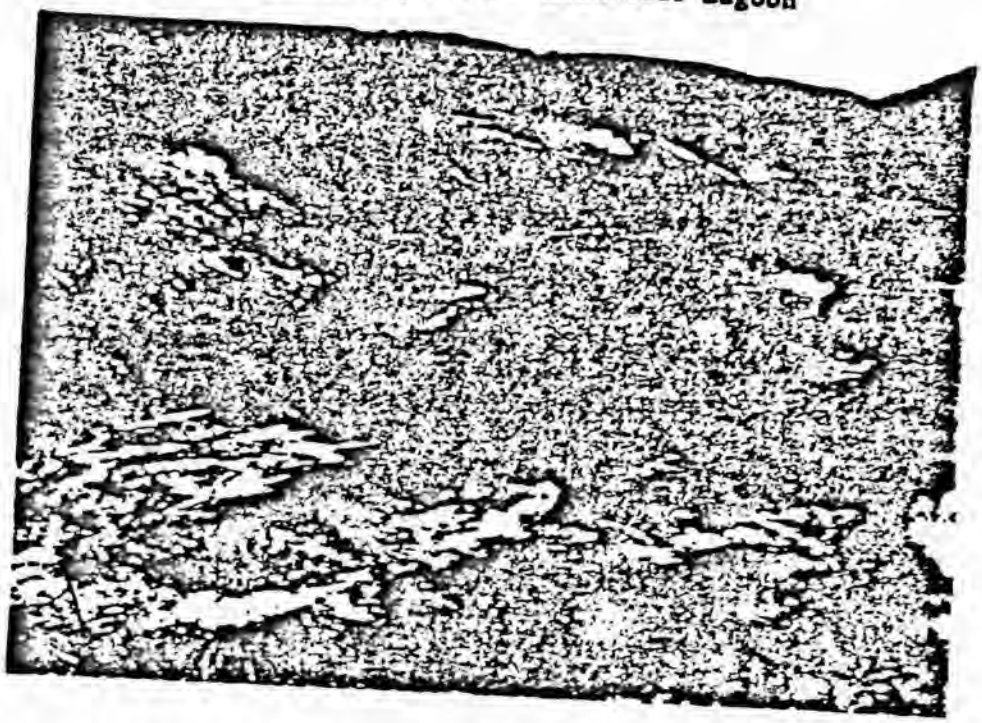
Photograph #10 - Northeast section of landfarm.

Photograph #11 - Southern portion of landfarm.

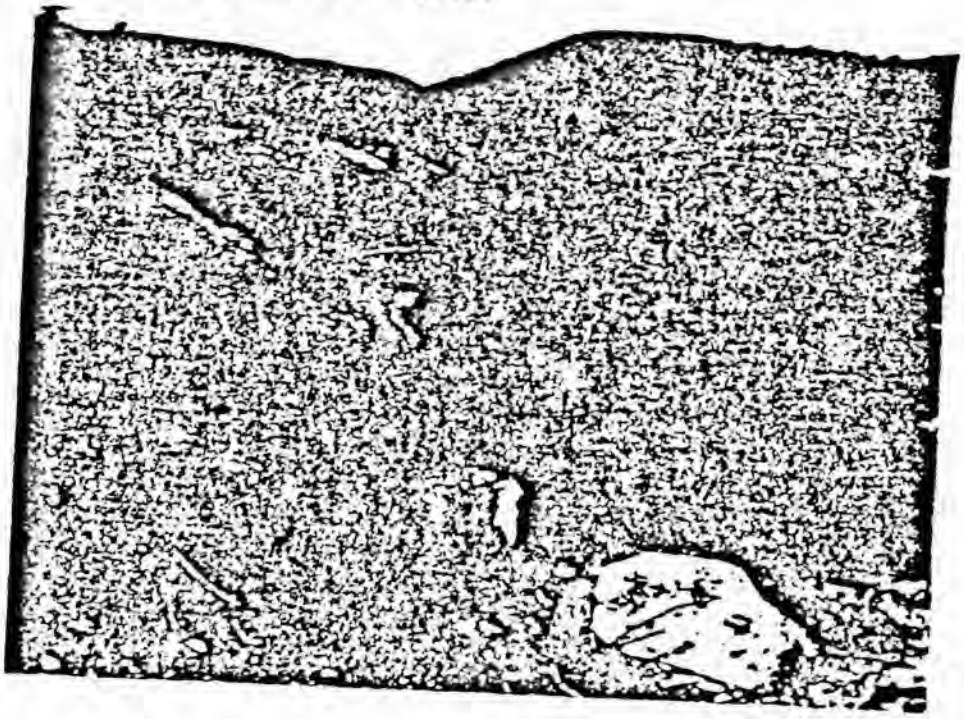
Photograph #12 - southern tip of landfarm.



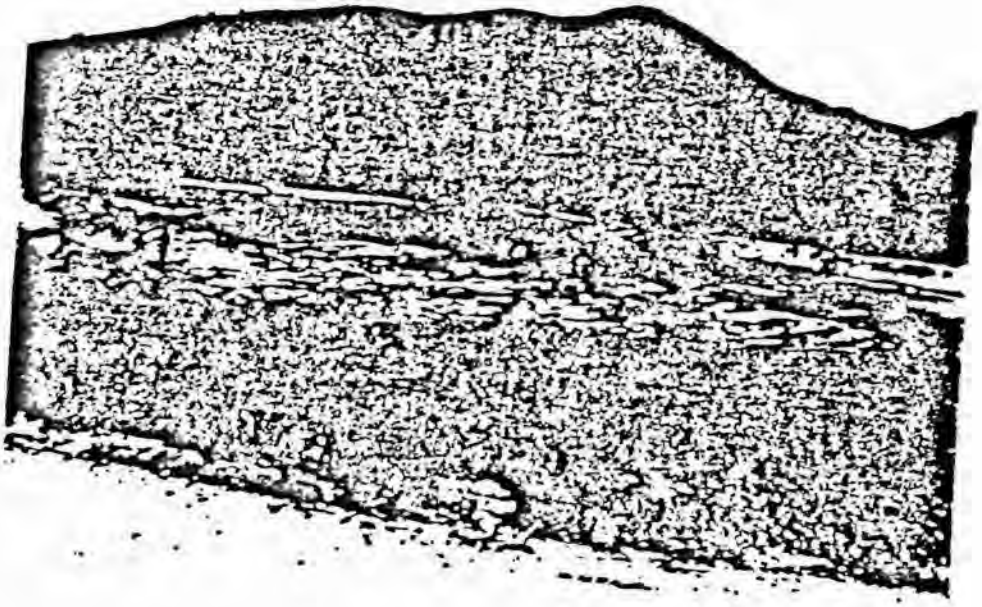
Photograph #16 - Rainwater lagoon



Photograph #17 - Hose used to discharge into rainwater lagoon.

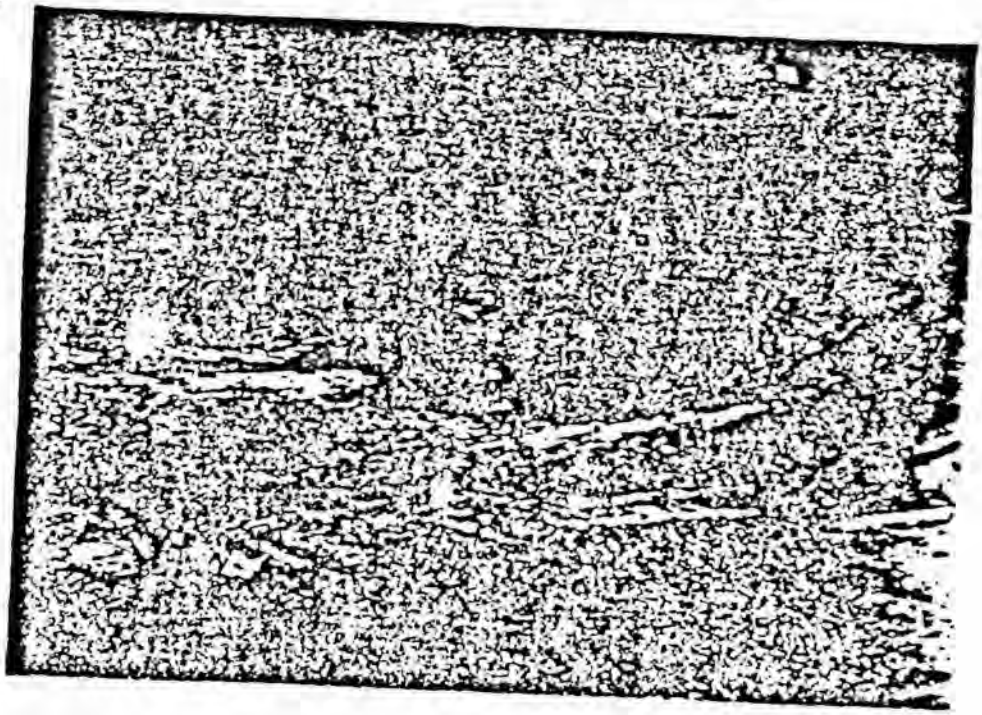


Photograph #13 - Collection of samples #66059-66060 from landfarm.

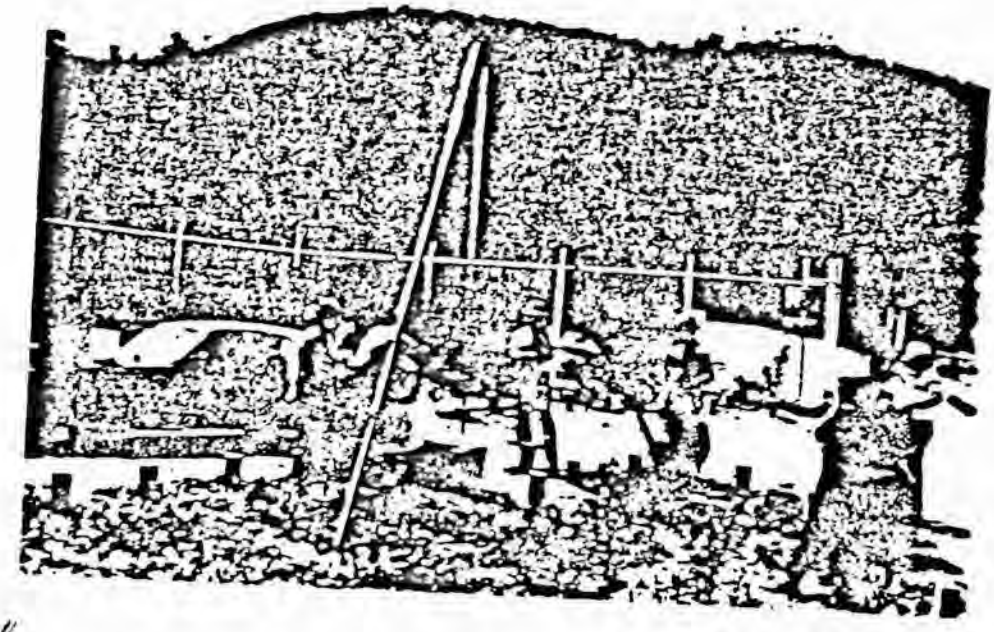


Photograph #14 - Lindane storage tank (blue) presently in use.

Photograph #15 - Relocated lindane storage tank (on right) no longer used.

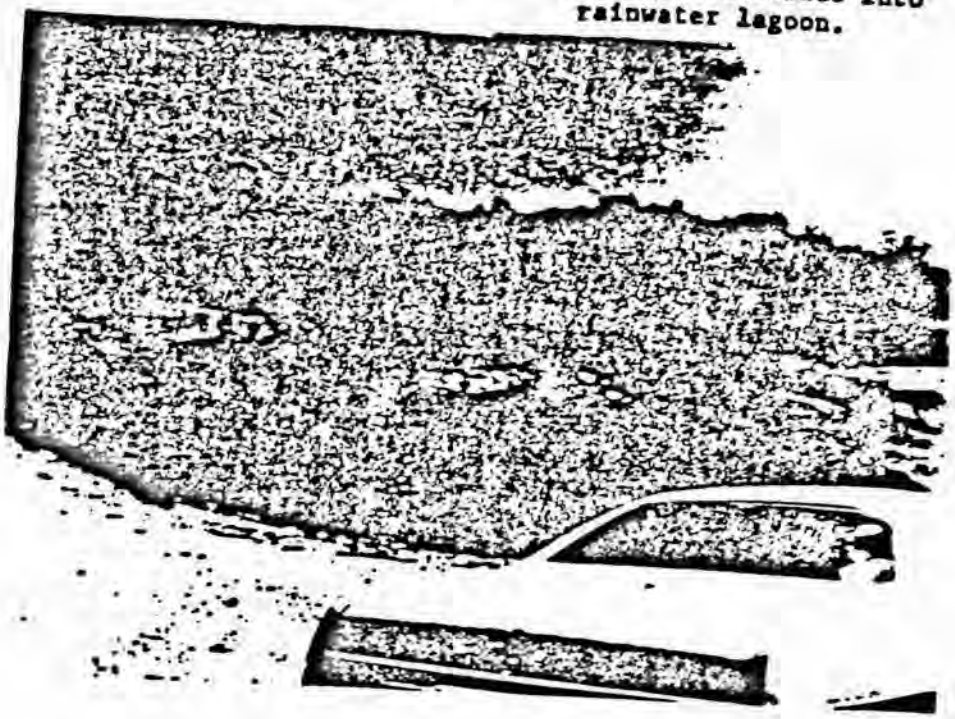


Photograph #20 - Sampling at well #1W-81 (downgradient).

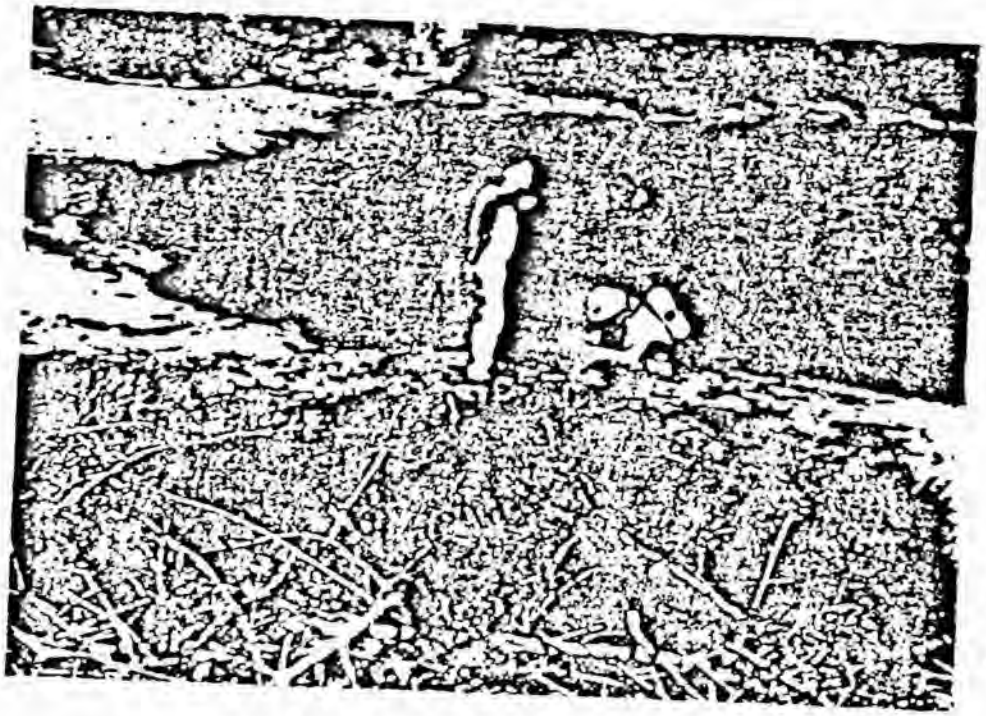


No suspect discharge

Photograph #18 - Tank truck discharging unknown substance into rainwater lagoon.



Photograph #19 - Collection of sample #66067 from rainwater lagoon.



APPENDIX 2

1 of 2

# ~~CHAIN OF CUSTODY RECORD~~

## RECEIPT FOR SAMPLES

ENVIRONMENTAL PROTECTION AGENCY – REGION II
SURVEILLANCE & ANALYSIS DIVISION
EDISON, NEW JERSEY 08817

Name of Unit and Address: SERVICIOS CARBARESON
RT. 385, KM 3.5
PENUELAS, P.R.

PRD091018622

| Sample Number | Number of Containers | Description of Samples |
|---|---|---|
| | | COLLECTED 2-21-89 |
| 66055 | 3 | 1 QT FOR NVOA & METALS SCAN (DRUM STORAGE AREA) SOIL<br>2 VIALS FOR POA |
| 66056 | 3 | 1 QT FOR NVOA & METALS SCAN (DRUM STORAGE AREA) SOIL<br>2 VIALS FOR POA |
| 66057 | 3 | 1 QT FOR NVOA, METALS SCAN (OIL LAGOON)<br>2 VIAL FOR POA |
| 66058 | 1 | 1 QT FOR EP TOXICITY (LINDANE TANK) SOIL |
| 66059 | 3 | 1 QT FOR NVOA (LAND FARM SOIL)<br>2 VIALS FOR POA |
| 66060 | 3 | 1 QT FOR NVOA (LAND FARM SOIL)<br>2 VIALS POA |

* We acknowledge that these areas were sampled at Carbareón, Inc. However we did not receive ~~any of these samples.~~

Person Assuming Responsibility for Sample: Time: Date:

| Sample Number | Relinquished By: | Received By: | Time | Date | Reason for Change of Custody |
|---|---|---|---|---|---|
| | | | | | |
| Sample Number | Relinquished By: | Received By: | Time | Date | Reason for Change of Custody |
| | | | | | |
| Sample Number | Relinquished By: | Received By: | Time | Date | Reason for Change of Custody |
| | | | | | |
| Sample Number | Relinquished By: | Received By: | Time | Date | Reason for Change of Custody |
| | | | | | |

Page No.

DUP DUP

## IV. 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 | U183 | 100 | K | S01 S02 T04 D80* | |
| 2 | U184 | 100 | K | S01 S02 T04 D80* | |
| 3 | U185 | 100 | K | S01 S02 T04 D80* | |
| 4 | U187 | 100 | K | S01 S02 T04 D80* | |
| 5 | U188 | 5,000 | K | S01 S02 T04 D80* | |
| 6 | U186 | 100 | K | S01 S02 T04 D80* | |
| 7 | U190 | 100 | K | S01 S02 T04 D80* | |
| 8 | U197 | 100 | K | S01 S02 T04 D80* | |
| 9 | U193 | 100 | K | S01 S02 T04 D80* | |
| 10 | U192 | 100 | K | S01 S02 T04 D80* | |
| 11 | U200 | 100 | K | S01 S02 T04 D80* | |
| 12 | U201 | 50 | K | S01 S02 T04 D80* | |
| 13 | U202 | 100 | K | S01 S02 T04 D80* | |
| 14 | U206 | 100 | K | S01 S02 T04 D80* | |
| 15 | U207 | 100 | K | S01 S02 T04 D80* | |
| 16 | U208 | 100 | K | S01 S02 T04 D80* | |
| 17 | U203 | 100 | K | S01 S02 T04 D80* | |
| 18 | U209 | 100 | K | S01 S02 T04 D80* | |
| 19 | U210 | 1,500 | K | S01 S02 T04 D80* | |
| 20 | U218 | 100 | K | S01 S02 T04 D80* | |
| 21 | U213 | 100 | K | S01 S02 T04 D80* | |
| 22 | U211 | 100 | K | S01 S02 T04 D80* | |
| 23 | U214 | 100 | K | S01 S02 T04 D80* | |
| 24 | U220 | 5,000 | K | S01 S02 T04 D80* | |
| 25 | U225 | 100 | K | S01 S02 T04 D80* | |
| 26 | U226 | 12,000 | K | S01 S02 T04 D80* | |

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

Additionally, Process Codes of T01, T02, S04

2 of 2

# ~~CHAIN OF CUSTODY RECORD~~

Appendix 2

## RECEIPT FOR SAMPLES

ENVIRONMENTAL PROTECTION AGENCY – REGION II
SURVEILLANCE & ANALYSIS DIVISION
EDISON, NEW JERSEY 08817

Name of Unit and Address: SERVICIOS CARBAREON
RT 325, Km 3.5
PENUELAS, PR.

PRD091018622

| Sample Number | Number of Containers | Description of Samples |
|---|---|---|
| | | COLLECTED 3-22-89 |
| 66062 | 3 | 1 QT FOR NVOA (WELL #1, 1WB1)<br>2 VIALS FOR POA |
| 66063 | 3 | 1 QT FOR NVOA (WELL #2, 12WB3)<br>2 VIALS FOR POA |
| 66064 | 3 | 1 QT FOR NVOA (WELL #3, 2WB1)<br>2 VIALS FOR POA |
| 66065 | 3 | 1 QT FOR NVOA (WELL #4, 11W-B3)<br>2 VIALS FOR POA |
| 66066 | 1 | 1 POL. JAR FOR IGNITABILITY (OIL LAGOON) |
| 66067 | 3 | 1 QT FOR NVOA & METALS SCAN (RAIN WATER LAGOON)<br>2 VIALS FOR POA. |

* We acknowledge that these areas were sampled at Carbareon, Inc. However we did not receive any of these samples. Except the well samples.

Persons Assuming Responsibility for Sample:

| | | Time | Date |
|---|---|---|---|
| | | | |

| Sample Number | Relinquished By: | Received By: | Time | Date | Reason for Change of Custody |
|---|---|---|---|---|---|
| | | | | | |
| Sample Number | Relinquished By: | Received By: | Time | Date | Reason for Change of Custody |
| | | | | | |
| Sample Number | Relinquished By: | Received By: | Time | Date | Reason for Change of Custody |
| | | | | | |
| Sample Number | Relinquished By: | Received By: | Time | Date | Reason for Change of Custody |
| | | | | | |

Page No.

ATTACHMENT XVI

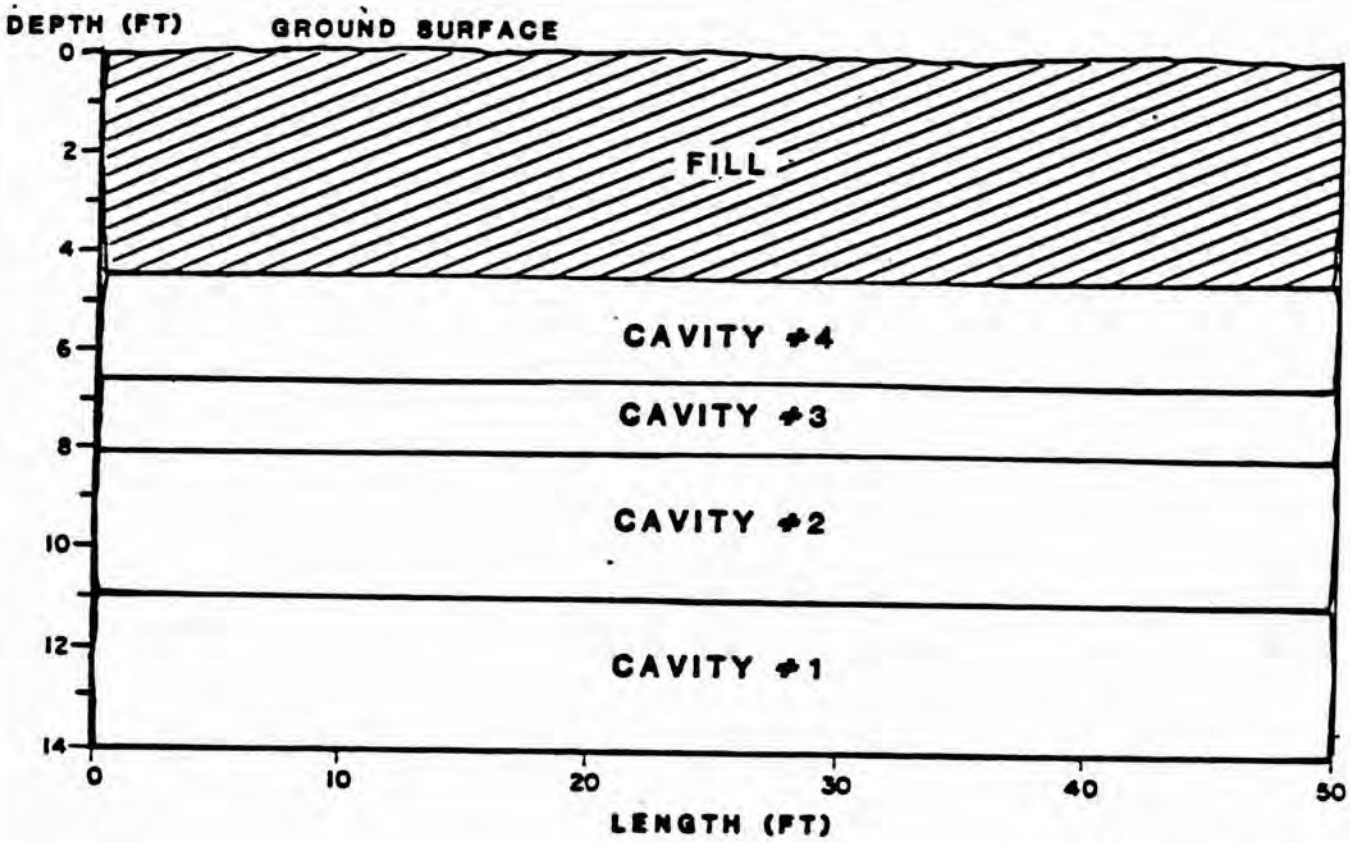
CROSS SECTIONAL PLAN OF UNIT #10

FIGURE 2

## CROSS-SECTIONAL PLAN

### IMMOBILIZATION FACILITY TI$_1$

(50' LONG, 14' DEEP, 22' WIDE)




| Cavity No. | Waste Type Immobilized |
|---|---|
| 1 | D008 |
| 2 | Non-hazardous |
| 3 | F001 |
| 4 | D009 |

ATTACHMENT XVII

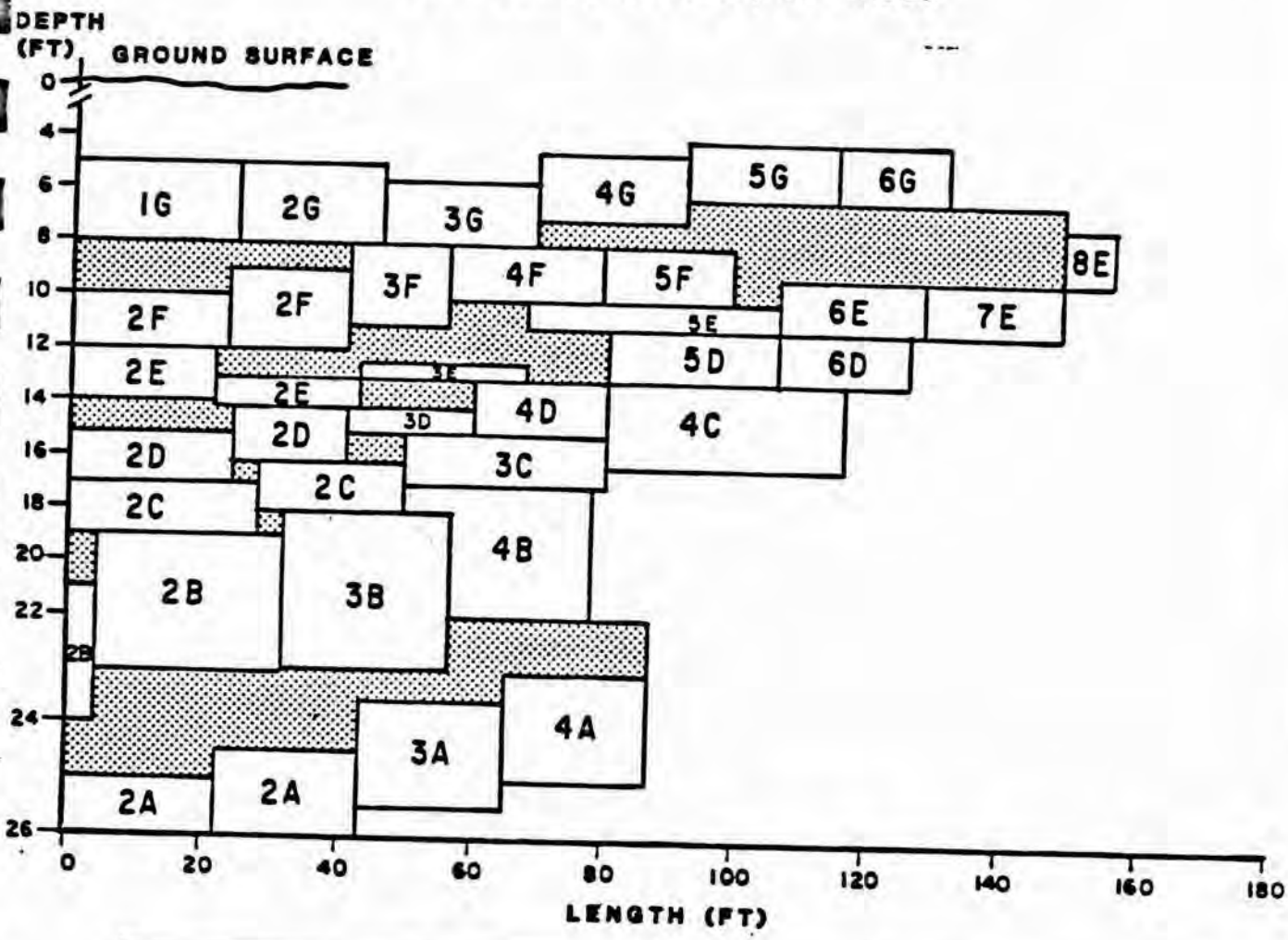
CROSS SECTIONAL PLAN OF UNIT #11

FIGURE 3

# CROSS-SECTIONAL PLAN

## IMMOBILIZATION FACILITY $TI_2$

(160' LONG, 28' DEEP, 40' WIDE)




| Cavity No. | Waste Type Immobilized |
|---|---|
| 1A | D008, Non-hazardous |
| 2A | D009 |
| 3A | F001 |
| 4A | F001 |
| 1B | D008 |
| 2B | D001, F001 |
| 3B | F001 |
| 4B | D001, F001 |
| 1C | F001 |
| 2C | F001, Non-hazardous |
| 3C | F001 |
| 4C | Non-hazardous |
| 1D | D009, Non-hazardous |
| 2D | F001 |
| 3D | F001, Non-hazardous |
| 4D | D013 |
| 5D | D013 |
| 6D | D001 |

| Cavity No. | Waste Type Immobilized |
|---|---|
| 1E | F001 |
| 2E | F001 |
| 3E | F001 |
| 4E | D009, F001 |
| 5E | D001, D008, F001, U201, Non-hazardous |
| 6E | D001, F002 |
| 7E | D001, D002, D008 |
| 8E | Unknown Hazardous |
| 1F | D001, D013 |
| 2F | D001, D008, D013, F006 |
| 3F | D001, D008, F001, F006 |
| 4F | D001, D008, F001, Non-hazardous |
| 5F | D001, D008, F001, F002, U226 |
| 1G | D009, D013, F001 |
| 2G | D013 |
| 3G | D013 |
| 4G | D009, D013 |
| 5G | D008, D013, F006 |
| 6G | D001, D013, U044 |

ATTACHMENT XVIII

SUMMARY OF PREVIOUS DISPOSAL PRACTICE

TABLE B-2

SUMMARY OF PREVIOUS DISPOSAL PRACTICES AT SCI

| Waste EPA ID No. | Name | Annual Quantity Generated (kilograms) | Former Treatment/ Disposal Site Name | SCI ID. No. |
|---|---|---|---|---|
| D001 | Ignitables | 15,000 | land treatment | AC-1 |
| F001 | Halogenated Solvents | 1,000 | oil lagoon | LA |
| F003 | Non-Halogenated Solvents | 1,000 | oil lagoon | LA |
| F005 | Non-Halogenated Solvents | 10,000 | oil lagoon | LA |
| U002 | Acetone | 1,000 | oil lagoon | LA |
| U019 | Benzene | 500 | oil lagoon | LA |
| U112 | Ethyl acetate | 3,000 | oil lagoon | LA |
| U154 | Methanol | 9,000 | oil lagoon | LA |
| U188 | Phenol | 300 | oil lagoon | LA |
| U220 | Toluene | 1,500 | oil lagoon | LA |
| U228 | 1,1,1-trichloro-ethane | 2,000 | oil lagoon | LA |
| U239 | Xylene | 500 | oil lagoon | LA |

TABLE C-2

DISPOSITION OF GENERAL CATEGORIES OF WASTE

| Waste Classification | Annual Quantity | Storage | | Treatment/Disposal | | | |
|---|---|---|---|---|---|---|---|
| | | Drum | Tank | Neutralization Impoundment | Rainwater Basin | Oil Lagoon | Facility Immobilization |
| **Ignitable** | **300,000 Kilograms** | | | | | | |
| D001 | | X | $X^P$ | | | X | $X, X^P$ |
| U154 | | X | $X^P$ | | | | $X, X^P$ |
| F003 | | X | $X^P$ | | | | $X, X^P$ |
| F005 | | | $X^P$ | | | | $X, X^P$ |
| U002 | | | $X^P$ | | | | $X, X^P$ |
| U019 | | | $X^P$ | | | | $X, X^P$ |
| U112 | | X | $X^P$ | | | | $X, X^P$ |
| U220 | | X | $X^P$ | | | | $X, X^P$ |
| U239 | | X | $X^P$ | | | | $X, X^P$ |
| **Corrosive** | **2,000,000 Kilograms** | | | | | | |
| D002 | | X | $X^P$ | X | | | $X, X^P$ |
| K062 | | X | $X^P$ | X | | | $X, X^P$ |
| F007 | | X | $X^P$ | X | | | $X, X^P$ |
| F016 | | X | $X^P$ | X | | | $X, X^P$ |
| **EP Toxic - Metals** | **1,090,000 Kilograms** | | | | | | |
| D004 | | X | $X^P$ | | | X | $X, X^P$ |
| D006 | | X | $X^P$ | | | X | $X, X^P$ |
| D007 | | X | $X^P$ | | | X | $X, X^P$ |
| D008 | | X | $X^P$ | | | X | $X, X^P$ |
| D009 | | X | $X^P$ | | | X | $X, X^P$ |
| D010 | | X | $X^P$ | | | X | $X, X^P$ |
| D011 | | X | $X^P$ | | | X | $X, X^P$ |
| U151 | | X | $X^P$ | | | X | $X, X^P$ |
| U144 | | X | $X^P$ | | | X | $X, X^P$ |
| K052 | | X | $X^P$ | | | X | $X, X^P$ |

TABLE C-2 (CONTINUED)

DISPOSITION OF GENERAL CATEGORIES OF WASTE

| Waste Classification | Annual Quantity | Storage | | Treatment/Disposal | | | |
|---|---|---|---|---|---|---|---|
| | | Drum | Tank | Neutralization Impoundment | Rainwater Basin | Oil Lagoon | Facility Immobilization |
| EP Toxic - Pesticides | 290,000 Kilograms | | | | | | |
| D013 | | X | $X,X^P$ | | | | $X,X^P$ |
| Toxic | 160,000 Kilograms | | | | | | |
| F001 | | X | $X^P$ | X | X | | $X,X^P$ |
| F002 | | X | $X^P$ | X | X | | $X,X^P$ |
| F006 | | X | $X^P$ | | | | $X,X^P$ |
| U122 | | X | $X^P$ | | | | $X,X^P$ |
| U138 | | X | $X^P$ | | | | $X,X^P$ |
| U080 | | X | $X^P$ | | | | $X,X^P$ |
| U188 | | X | $X^P$ | | | | $X,X^P$ |
| U201 | | X | $X^P$ | | | | $X,X^P$ |
| U210 | | X | $X^P$ | | | | $X,X^P$ |
| U226 | | X | $X^P$ | | | | $X,X^P$ |
| U228 | | X | $X^P$ | | | | $X,X^P$ |
| P105 | | X | $X^P$ | | | | $X,X^P$ |
| U021 | | X | $X^P$ | | | | $X,X^P$ |

$X^P$ = Proposed Facility

TABLE C-17

DESCRIPTION OF WASTES PRESENTLY TREATED BY IMMOE

| Waste No. | Description of Wastes |
|---|---|
| 100 | Ignitable solvents. These wastes are hazardous because they have a flash point of less than 140° F. |
| 200 | Lead bearing wastes from a number of sources. These wastes have a lead concentration greater than 5 ppm. |
| 300 | Waste water treatment sludges from electroplating operations from a number of sources. These wastes can contain cadmium, hexavalent chromium or nickle. Some of these solutions are also corrosive. |
| 400 | Waste lindane solution. This waste is a viscous solution and contains up to 1% lindane. |
| 500 | Halogenated solvents, their sludges and still bottoms. These wastes can contain a number of halogenated solvents which are toxic to human health or the environment. |
| 600 | Other ignitable wastes. These wastes are hazardous because they themselves are ignitable or they have been mixed with ignitable solvents giving them a flash point of less than 140°F. |
| 700 | Selenium waste which is toxic to human health and the environment. This waste has selenium concentration greater than 0.4 ppm. |

# ATTACHMENT XIX

## DOMINANT WASTE CONSTITUENT CHARACTERISTICS

TABLE E-7

DOMINANT WASTE CONSTITUENT CHARACTERISTICS

| Constituent | Solubility in Water (mg/L) | Biodegradability | Sorption |
|---|---|---|---|
| Chromium | $6.17 \times 10^5$ at 0°C | None | Adsorbed by organic materials |
| Lead | 17 at 20°C | None | Removed by inorganic solids |
| Cadmium[1] | 2.6 at 25°C | None | Removed by clays |
| Nickel | 3.6 at 18°C | None | Some adsorption by organic matter |
| Cyanide | Soluble in all portions | None | Adsorbed by most materials |
| Arsenic | $1.5 \times 10^6$ at 16°C | None | Removed by clays |
| Silver | 13 at 20°C | None | Some adsorption by clays |
| Selenium | $3.8 \times 10^5$ at 14°C | None | Adsorbed by clays and organic matter |
| Mercury | Insoluble to $6.9 \times 10^{-4}$ at 20°C | None | Adsorbed by most particles |
| Xylene | Insoluble at 25°C | Relative importance cannot be determined; however, should be biodegraded by some micro-organisms | Assumed to be absorbed by organic materials |
| Toluene | 535 at 25°C | Relative importance cannot be determined; however, biodegraded by some micro-organisms | Assumed to be adsorbed by organic materials |

TABLE E-7 (Continued)

DOMINANT WASTE CONSTITUENT CHARACTERISTICS

| Constituent | Solubility in Water (mg/L) | Biodegradability | Sorption |
|---|---|---|---|
| Phenol | 93,000 at 25°C | 98 percent removal in activated sludge | Not important |
| Methylene chloride | 16,700 at 25°C | Degraded by biological treatment | Data lacking, however, not expected to be an important fate mechanism |
| 1,1,1-Trichloroethane | 950 at 20°C | Degraded by biological treatment | Information lacking, but may be an important fate mechanism |
| Lindane (y-Hexachlorocyclohexane) | 7.5 at 25°C | Most rapid in anaero-environments. | Important for transport to anaerobic sediments. |

1 As hydroxide; other metals as oxides.

Sources: Treatability Manual, Volume I, "Treatability Data," U.S. EPA, Office of Research and Development, EPA-600/8-80-042a, July 1980.

Water-Related Environmental Fate of 129 Priority Pollutants, Volumes I and II, U.S. EPA, Office of Water and Waste Management, EPA-440/4-79-029a, b, December 1979.

ATTACHMENT XX

MAXIMUM WASTE INVENTORY AT EXISTING FACILITIES

TABLE I-4

MAXIMUM WASTE INVENTORY
AT EXISTING FACILITIES

DRUM STORAGE

| EPA I.D. Number | Category | Hazard | Number of Drums | Capacity* (Gallons) |
|---|---|---|---|---|
| D001 | Ignitable | I | 455 | 25,300 |
| D002 | Corrosive | C | 70 | 3,850 |
| D007, D008 | EP Toxic | T | 90 | 4,950 |
| D009 | Pesticides | T | 6 | 330 |
| F001, F002 | Halogenated Solvents | T | 100 | 5,500 |
| F003, F005 | Nonhalogenated Solvents | T | 125 | 6,875 |
| F007 | Cyanide | R | 10 | 550 |
| U002 | Acetone | T | 25 | 1,375 |
| U019 | Benzene | T | LT 1 | |
| U040 | Chlorodibromomethane | T | LT 1 | |
| U044 | Chloroform | T | 10 | 550 |
| U080 | Dichloromethane | T | 20 | 1,100 |
| U112 | Ethyl acetate | T | 30 | 1,650 |
| U122 | Formaldehyde | T | 2 | 110 |
| U138 | Idomethane | T | 1 | 55 |
| U144 | Lead acetate | T | LT 1 | |
| U154 | Methanol | T | 20 | 1,100 |
| U188 | Phenol | T | 1 | 55 |
| U210 | Tetrachloroethene | T | 4 | 220 |
| U220 | Toluene | T | 4 | 220 |
| U2261 | 1,1,1,-Trichloroethene | T | 20 | 1,100 |
| U228 | Trichlorethene | T | 5 | 275 |
| U239 | Xylene | T | LT 1 | |
| | | | 1,000 | 55,000 |

NOTE: Drums listed as less than one (LT 1) are assumed half-full.

TANK STORAGE

| EPA I.D. Number | Category | Hazard | Capacity* |
|---|---|---|---|
| D009 | Lindane | E | 8,000 gal. |

* Capacity refers to the maximum waste inventories estimated to be in treatment or storage at any time.

TABLE I-4 (CONTINUED)

MAXIMUM WASTE INVENTORY
AT EXISTING FACILITIES

SURFACE IMPOUNDMENTS

1) Neutralization Impoundment LC

| EPA I.D. Number | Category | Hazard | Capacity* |
|---|---|---|---|
| D002 | Corrosive | C | 168,000 gal. |

2) Oil Lagoon LA

| EPA I.D. Number | Category | Hazard | Capacity* |
|---|---|---|---|
| D001 | Ignitable | I | 438,000 gal. |
| F005 | Non-halogenated Solvents | I | 104,540 gal. |
| U112 | Ethyl acetate | T | 1,170 gal. |
| U154 | Methanol | T | 2,335 gal. |
| U220 | Toluene | T | 2,920 gal. |
| U226 | 1,1,1-Trichloroethane | T | 5,035 gal. |
| Non-hazardous | -- | -- | 656,000 gal. |
| | | | 1,210,000 gal. Total |

3) Rainwater Basin LB

| EPA I.D. Number | Category | Hazard | Capacity* |
|---|---|---|---|
| D001 | Ignitable | I | - |
| F005 | Non-halogenated solvents | I | - |
| U112 | Ethyl Acetate | T | - |
| U154 | Methanol | T | - |
| U220 | Toluene | T | - |
| U226 | 1,1,1-Trichloroethane | T | - |
| | | | 100,000 gal. Total |

4) Neutralization Impoundment LF

| EPA I.D. Number | Category | Hazard | Capacity* |
|---|---|---|---|
| D002 | Corrosive | C | 1,620,000 gal. |

* Capacity refers to the maximum waste inventories estimated to be in treatment or storage at any time.

Note: LB contains decant from the oil lagoon LA and is primarily water. Any of the wastes from the oil lagoon may be present in LB.

TABLE I-4 (CONTINUED)

MAXIMUM WASTE INVENTORY
AT EXISTING FACILITIES

IMMOBILIZATION FACILITIES

Immobilization Facility $TI_3$

| EPA I.D. Number | Category | Hazard | Capacity*(gallons) |
|---|---|---|---|
| D001 | Ignitable | I | 23,471 |
| D002 | Corrosive | C | 1,350 |
| D004 | Arsenic | E | 51 |
| D007 | Chromium | E | 1,298 |
| D008 | Lead | E | 12,211 |
| D009 | Mercury | E | 8,149 |
| D011 | Silver | E | 51 |
| D013 | Lindane | E | 129,178 |
| F002 | Halogenated Solvents | T | 4,113 |
| F003 | Non-halogenated Solvents | I | 35,411 |
| F005 | Non-halogenated Solvents | I, T | 10,694 |
| F006 | Wastewater Treatment Sludges | T | 44,293 |
| U044 | Chloroform | I, T | 206 |
| U151 | Mercury | T | 578 |
| Non-hazardous | -- | -- | 21,183 |
| TOTAL | | | 292,238 gallons |

* Capacity refers to the maximum waste inventories estimated to be stored at this facility. Note that the total waste quantity listed above is one fourth of the total cement kiln dust/waste mixture, which is combined at a 3:1 dust to waste ratio.

ATTACHMENT XXI

LIST OF HAZARDOUS MATERIALS HANDLED AT PROTECO

TABLE C-1

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA IDENTIFICATION NUMBER (If available) | WASTE COMMON NAME | HAZARD CHARACTERISTIC (i.e., corrosive, toxic, ignitable) | BASIS FOR HAZARD DESIGNATION (EPA number, flash point, pH, or EP toxicity constituents and concentrations) |
|---|---|---|---|
| D001 | Ignitable waste | Ignitable | Flash point |
| D002 | Corrosive waste | Corrosive | pH |
| D004 | Arsenic | EP Toxic | Arsenic |
| D005 | Barium | EP Toxic | Barium |
| D006 | Cadmium | EP Toxic | Cadmium |
| D007 | Chromium | EP Toxic | Chromium |
| D008 | Lead | EP Toxic | Lead |
| D009 | Mercury | EP Toxic | Mercury |
| D010 | Selenium | EP Toxic | Selenium |
| D011 | Silver | EP Toxic | Silver |
| D012 | Endrin | EP Toxic | 1,2,3,4,10,10-hexachloro-1,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo, endo-5,8-dimethano napthalene |
| D013 | Lindane | EP Toxic | 1,2,3,4,5,6-hexachloro-cyclohexane, gamma isomer |
| D014 | Methoxychlor | EP Toxic | 1,1,1-Trichloro-2,2-bis[p-methoxyphenyl] ethane |
| D015 | Toxaphene | EP Toxic | $C_{10}H_{10}Cl_8$, Technical chlorinated camphene, 67-69 percent chlorine |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA IDENTIFICATION NUMBER (If available) | WASTE COMMON NAME | HAZARD CHARACTERISTIC (i.e., corrosive, toxic ignitable) | BASIS FOR HAZARD DESIGNATION (EPA number, flash point, pH, or EP toxicity constituents and concentrations) |
|---|---|---|---|
| D016 | 2,4-D | EP Toxic | 2,4-D (2,4-Dichlorophenoxy-acetic acid) |
| D017 | 2,4,5-TP Silvex | EP Toxic | 2,4,5-Trichlorophenoxypropionic acid |
| F001 | Spent halogenated solvents used in degreasing | Toxic | Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated fluorocarbons |
| F002 | Spent halogenated solvents | Toxic | Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2, trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane |
| F003 | Spent non-halogenated solvents | Ignitable | N.A. |
| F004 | Spent non-halogenated solvents | Toxic | Cresols and cresylic acid, nitrobenzene |
| F005 | Spent non-halogenated solvents | Ignitable, Toxic | Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine |
| F006 | Wastewater treatment sludges from electro- | Toxic | Cadmium, hexavalent chromium, nickel, cyanide (complexed) |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA IDENTIFICATION NUMBER (If available) | WASTE COMMON NAME | HAZARD CHARACTERISTIC (i.e., corrosive, toxic, ignitable) | BASIS FOR HAZARD DESIGNATION (EPA number, flash point, pH, or EP toxicity constituents and concentrations) |
|---|---|---|---|
| F019 | Wastewater treatment sludges | Toxic | Hexavalent chromium, cyanide (complexed) |
| K002 | Wastewater treatment sludge | Toxic | Hexavalent chromium, lead |
| K003 | Wastewater treatment sludge | Toxic | Hexavalent chromium, lead |
| K004 | Wastewater treatment sludge | Toxic | Hexavalent chromium |
| K005 | Wastewater treatment sludge | Toxic | Hexavalent chromium, lead |
| K006 | Wastewater treatment sludge | Toxic | Hexavalent chromium |
| K007 | Wastewater treatment sludge | Toxic | Cyanide (complexed), hexavalent |
| K094 | Distillation bottoms | Toxic | Phthalic anhydride |
| K025 | Distillation bottoms | Toxic | Meta-dinitrobenzene, 2,4-dinitrotoluene |
| K026 | Stripping still tails | Toxic | Paraldehyde, pyridines, 2-picoline |

# HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA IDENTIFICATION NUMBER (If available) | WASTE COMMON NAME | HAZARD CHARACTERISTIC (i.e., corrosive, toxic ignitable) | BASIS FOR HAZARD DESIGNATION (EPA number, flash point, pH, or EP toxicity constituents and concentrations) |
|---|---|---|---|
| K008 | Oven residue | Toxic | Hexavalent chromium |
| K009 | Distillation bottoms | Toxic | Chloroform, formaldehyde, methylene chloride, methyl |
| K010 | Distillation side cuts | Toxic | Chloroform, formaldehyde, methylene chloride, methyl chloride, paraldehyde, formic acid, chloroacetaldehyde |
| K014 | Bottoms from acetonitrile purification | Toxic | Acetonitrile, acrylamide |
| K015 | Still bottoms from distillation | Toxic | Benzyl chloride, chlorobenzene, toluene, benzotrichloride |
| K016 | Heavy ends or distillation residues | Toxic | Hexachlorobenzene, hexachlorobutadiene, carbon tetrachloride, hexachloroethane, perchloroethylene |
| K017 | Heavy ends (still bottoms) | Toxic | Epichlorohydrin, chloroethers (bis(chloromethyl) ether and bis(2-chloroethyl) ethers), trichloropropane, dichloropropanols |
| K018 | Heavy ends | Toxic | 1,2-dichloroethane, trichloroethylene, hexachlorobutadiene, hexachlorobenzene |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA IDENTIFICATION NUMBER (If available) | WASTE COMMON NAME | HAZARD CHARACTERISTIC (i.e., corrosive, toxic ignitable) | BASIS FOR HAZARD DESIGNATION (EPA number, flash point, pH, or EP toxicity constituents and concentrations) |
|---|---|---|---|
| K019 | Heavy ends | Toxic | Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, and 1,1,1,2-tetrachloroethane, trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride |
| K020 | Heavy ends | Toxic | Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride |
| K021 | Aqueous spent antimony catalyst | Toxic | Antimony, carbon tetrachloride, chloroform |
| K022 | Distillation bottom tars | Toxic | Phenol, tars (polycyclic aromatic hydrocarbons) |
| K023 | Distillation light ends | Toxic | Phthalic anhydride, maleic anhydride |
| K024 | Distillation bottoms | Toxic | Phthalic anhydride, 1,4-naphthoquinone |
| K093 | Distillation light ends | Toxic | Phthalic anhydride, maleic anhydride |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA IDENTIFICATION NUMBER (If available) | WASTE COMMON NAME | HAZARD CHARACTERISTIC (i.e., corrosive, toxic ignitable) | BASIS FOR HAZARD DESIGNATION (EPA number, flash point, pH, or EP toxicity constituents and concentrations) |
|---|---|---|---|
| K028 | Spent catalyst | Toxic | 1,1,1-trichloroethane, vinyl chloride |
| K029 | Product steam stripper | Toxic | 1,2-dichloroethane, 1,1,1-trichloroethane, vinyl chloride, vinylidene chloride, chloroform |
| K095 | Distillation bottoms | Toxic | 1,1,2-trichloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane |
| K096 | Heavy ends | Toxic | 1,2 dichloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane |
| K030 | Column bottoms or heavy ends | Toxic | Hexachlorobenzene, hexachlorobutadiene, hexachloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, ethylene dichloride |
| K105 | Separate aqueous stream | Toxic | Benzene, monochlorobenzene, dichlorobenzenes, 2,4,6-trichlorophenol |
| K031 | By-product salts | Toxic | Arsenic |
| K048 | DAF/float. | Toxic | Hexavalent chromium, lead |
| K049 | Slop oil emulsion solids | Toxic | Hexavalent chromium, lead |
| K050 | Heat exchanger cleaning sludge | Toxic | Hexavalent chromium |
| K051 | API separator sludge | Toxic | Hexavalent chromium, lead |
| K052 | Tank bottoms | Toxic | Lead |

# HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA IDENTIFICATION NUMBER (If available) | WASTE COMMON NAME | HAZARD CHARACTERISTIC (i.e., corrosive, toxic, ignitable) | BASIS FOR HAZARD DESIGNATION (EPA number, flash point, pH, or EP toxicity constituents and concentrations) |
|---|---|---|---|
| K061 | Emission control dust/sludge | Toxic | Hexavalent chromium, lead, cadmium |
| K062 | Spent pickle liquor | Corrosive, Toxic | Hexavalent chromium, lead |
| K069 | Emission control dust/sludge | Toxic | Hexavalent chromium, lead, cadmium |
| K100 | Waste leaching solution | Toxic | Hexavalent chromium, lead, cadmium |
| K084 | Wastewater treatment sludges | Toxic | Arsenic |
| K101 | Distillation tar residues | Toxic | Arsenic |
| K102 | Residue from activated carbon | Toxic | Arsenic |
| K071 | Brine purification muds | Toxic | Mercury |
| K106 | Wastewater treatment sludge | Toxic | Mercury |
| K073 | Chlorinated hydrocarbon wastes | Toxic | Chloroform, carbon tetrachloride, hexachloroethane, trichloroethane, tetrachloroethylene, dichloroethylene 1,1,2,2-tetrachloroethane |
| K083 | Distillation bottoms | Toxic | Aniline, diphenylamine, nitrobenzene, phenylenediamine |

TABLE C (Continued)

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA IDENTIFICATION NUMBER (If available) | WASTE COMMON NAME | HAZARD CHARACTERISTIC (i.e., corrosive, toxic ignitable) | BASIS FOR HAZARD DESIGNATION (EPA number, flash point, pH, or EP toxicity constituents and concentrations) |
|---|---|---|---|
| K103 | Process residues | Toxic | Aniline, nitrobenzene, phenylenediamine |
| K104 | Combined wastewater streams | Toxic | Aniline, benzene, diphenylamine, nitrobenzene, phenylenediamine |
| K085 | Distillation or fractionation column bottoms | Toxic | Benzene, dichlorobenzenes, trichlorobenzenes, tetrachlorobenzenes, pentachlorobenzene, hexachlorobenzene, benzyl chloride |
| K105 | Separated aqueous stream | Toxic | Benzene, monochlorobenzene, dichlorobenzenes, 2,4,6-trichlorophenol |
| K032 | Wastewater treatment sludge | Toxic | Hexachlorocyclopentadiene |
| K033 | Wastewater and scrub water | Toxic | Hexachlorocyclopentadiene |
| K034 | Filter solids | Toxic | Hexachlorocyclopentadiene |
| K097 | Vacuum stripper discharge | Toxic | Chlordane, heptachlor |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA IDENTIFICATION NUMBER (If available) | WASTE COMMON NAME | HAZARD CHARACTERISTIC (i.e., corrosive, toxic ignitable) | BASIS FOR HAZARD DESIGNATION (EPA number, flash point, pH, or EP toxicity constituents and concentrations) |
|---|---|---|---|
| K035 | Wastewater treatment sludges | Toxic | Creosote, chrysene, naphthalene, fluoranthene benzo(b) fluoranthene, benzo(a)pyrene, indeno (1,2,3-cd) pyrene, benzo(a)anthracene, dibenzo (a)anthracene, acenaphthalene |
| K036 | Still bottoms | Toxic | Toluene, phosphorodithoic and phosphorothioic acid esters |
| K037 | Wastewater treatment sludges | Toxic | Toluene, phosphorodithioic and phosphorothioic acid esters |
| K038 | Wastewater from washing and stripping | Toxic | Phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters |
| K039 | Filter cake | Toxic | Phosphorodithioic and phosphorothioic acid esters |
| K040 | Wastewater treatment sludge | Toxic | Phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters |
| K041 | Wastewater treatment sludge | Toxic | Toxaphene |

# HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

The following list of materials is considered to be toxic or acutely toxic. The basis for listing is inherent with the individual compound. Another known basis or multiple bases are indicated by capital letters in parentheses: R = reactive; I = ignitable; C = corrosive; T = toxic. If no letter is shown, the compound should be considered as singularly acutely toxic.

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| P001 | 3-(alpha-acetonylbenzyl)-4-hydroxycoumarin and salts |
| P002 | 1-Acetyl-2-thiourea |
| P003 | Acrolein, Agarin (see P007), Agrosan GN 5 (see P092), Aldicarb (see P069), Aldifen (see P048) |
| P004 | Aldrin, Algimycin (see P092) |
| P005 | Allyl alcohol |
| P007 | Aminoethylene (see P054), 5-(Aminomethyl)-3-isoxazolol |
| P008 | 4-Aminopyridine, Ammonium metavanadate (see P119) |
| P010 | Arsenic acid |
| P011 | Arsenic pentoxide |
| P012 | Arsenic trioxide, Athrombin (see P001), AVITROL (see P009), Aziridene (see P054), AZOGOD (see P061), Azophos (see P061), BANTU (see P072) |
| P014 | Benzenethiol, Benzoepin (see P050) |
| P015 | Beryllium dust |
| P016 | Bis(chloromethyl) ether, BLADAN-M (see P071) |
| P017 | Bromoacetone |
| P020 | 2-sec-Butyl-4,6-dinitrophenol |
| P023 | Chloroacetaldehyde |
| P024 | p-Chloroaniline |
| P025 | 1-(p-Chlorobenzoyl)-5-methoxy-2-methylindole 3-acetic acid |
| P026 | 1-(o-Chlorophenyl) thiourea |

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| P027 | 3-Chloropropiontrile |
| P028 | Alpha-Chlorotoluene |
| P034 | 2-Cyclohexyl-4,6-dinitrophenol, D-CON (see P001), DETHMOR (see P001), DETHNEL (see P001), DFP (see P043) |
| P036 | Dichlorophenylarsine, Dicyanogen (see P031) |
| P037 | Dieldrin, DIELDREX (see P037) |
| P038 | Diethylarsine |
| P040 | 0,0-Diethyl-0-(2-pyrazinyl) phosphorothioate |
| P041 | 0,0-Diethyl phosphoric acid, 0-p-nitropheynyl ester |
| P042 | 3,4-Dihydroxy-alpha-(methylamino)-methyl benzyl alcohol |
| P043 | Di-isopropyl fluorophosphate, DIMETATE (see P044), 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a-hexahydro endo, endo (see P060) |
| P044 | Dimethoate |
| P045 | 3,3-Dimethyl-1-(methylthio), 2-butanone-0-[methylamino carbonyl] oxime |
| P048 | 2,4-Dinitrophenol, DINOSEB (see P020), DINOSEBE (see P020), Disulfoton (see P039) |
| P049 | 2,4-Dithiobiuret, DNBP (see P020), DOLCO MOUSE CEREAL (see P108), DOW GENERAL (see P020), DOW GENERAL WEED KILLER (see P020), DOW SELECTIVE WEED KILLER (see P020), DOWICIDE G (see P090), DYANACIDE (see 092), EASTERN STATES DUOCIDE (see P001), ELGETOL (see P020) |
| P051 | Endrin, Epinephrine (see P042) |
| P054 | Ethylenimine, EASCO FASCRAT POWDER (see P001), FEMMA (see P091) |

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| P056 | Fluorine |
| P057 | 2-Fluoroacetamide |
| P058 | Fluoroacetic acid, sodium salt, FOLODOL-80 (see P071), FOLODOL M (see P071), FOSFERNO M 50 (see P071), FRATOL (see P058), Fulminate of mercury (see P065), FUNGITOX OR (see P092), FUSSOF (see P057), GALLOTOX (see P092), GEARPHOS (see P071), GERUTOX (see P020) |
| P066 | Methomyl |
| P067 | 2-Methylaziridine, METHYL-E 605 (see P071) |
| P068 | Methyl hydrazine, Methyl isocyanate (see P064) |
| P069 | 2-Methyllactonitrile |
| P070 | 2-Methyl-2-(methylthio)propionaldehyde-o-(methylcarbonyl) oxime, METHL NIRON (see P042) |
| P072 | 1-Naphthyl-2-thiourea |
| P073 | Nickel carbonyl |
| P075 | Nicotine and salts |
| P076 | Nitric oxide |
| P077 | p-Nitroaniline |
| P078 | Nitrogen dioxide |
| P087 | Osmium tetroxide |
| P089 | Parathion, PCP (see P090), PENNCAP-M (see P071), PENOXYL CARBON N (see P048) |
| P094 | Phorate |
| P101 | Propanenitrile |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| P102 | 2-Propyn-1-ol PROTHROMADIN (see P001), QUICKSAM (see P092), QUINTOX (see P037), RAT AND MICE BAIT (see P100), RAT-A-WAY (see P001), RAT-B-GON (see P001), RAT-O-CIDE #2 (see P001), RAT GUARD (see P001), RAT-KILL (see P001), RAT-MIX (see P001), RATS-NO-MORE (see P001), RAT-OLA (see P001), RATOREX (see P001), RATTUNAL (see P001), RAT-TROL (see P001), RO-DETH (see P001), RO-DEX (see P108), ROSEX (see P001), ROUGH and READY MOUSE MIX (see P001), SANASEED (see P108), SANTOBRITE (see P090), SANTOPHEN (see P090), SANTOPHEN 20 (see P090), SCHRADAN (see P085) |
| P103 | Selenourea |
| P107 | Strontjum sulfide |
| P108 | Strychnine and salts, SUBTEX (see P020), SYSTAM (see P085), TAG FUNGICIDE (see P092), TEKWALSA (see P0710, TEMIC (see P070), TEMIK (see P070), TERM-I-TROL (see P090) |
| P109 | Tetraethyldithiopyrophosphate |
| P110 | Tetraethyl lead |
| P111 | Tetraethylpyrophosphate |
| P115 | Thallium (1) sulfate, THIFOR (see P092), THIMUL (see P092), THIODAN (see P050), THIOFOR (see P050), THIOMUL (see P050), THIONEX (see P050), THIOPHENIT (see P071) |
| P118 | Trichloromethanethiol, TWIN LIGHT RAT AWAY (see P001), USAF RH-8 (see P069), USAF-EK-4890 (see P002) |
| P119 | Vanadic acid, ammonium salt |
| P123 | Toxaphene |
| U001 | Acetaldehyde (I) |
| U002 | Acetone (I) |
| U003 | Acetonitrile (I,T) |
| U004 | Acetophenone |
| U005 | 2-Acetylaminoflourene |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| U007 | Acrylamide, Acetylene tetrachloride (see U209), Acetylene trichloride (see U228) |
| U008 | Acrylic acid (I) |
| U009 | Acrylonitrile, AEROTHENE TT (see U226), 3-Amino-5-(p-acetamidophenyl) 1H-1,2,4-triazole, hydrate (see U011) |
| U010 | 6-Amino-1,1a,2,8,8a,8b-hexahydro-8-(hydroxymethyl) 8-methoxy-5-methylcarbamate azirino (2,3,3,4) pyrrolo (1,2-a) indole-4,-7-dione (ester) |
| U011 | Amitrole |
| U012 | Aniline (i) |
| U014 | Auramine |
| U015 | Azaserine |
| U016 | Benz[c]acridine |
| U017 | Benzal chloride |
| U018 | Benz[a]anthracene |
| U019 | Benzene |
| U021 | Benzidine, 1,2-Benzisothiazolin-3-one, 1,1-dioxide (see U202), Benzo [a] anthracene (see U018) |
| U022 | Benzo[a]pyrene |
| U024 | Bis(2-chloroethoxy) methane |
| U025 | Bis(2-chloroethyl) ether |
| U026 | N,N-Bis(2-chlorothyl)-2-napthylamine |
| U027 | Bis(2-chloroisopropyl) ether |
| U028 | Bis(2-ethylhexyl) phthalate |
| U029 | Bromomethane |
| U030 | 4-Bromophenyl phenyl ether |
| U031 | n-Butyl alcohol,(I) |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| U032 | Calcium chromate, Carbolic acid (see U1880, Carbon tetrachloride (see U211) |
| U033 | Carbonyl fluoride |
| U034 | Chloral |
| U035 | Chlorambucil |
| U036 | Chlordane |
| U037 | Chlorobenzene |
| U038 | Chlorobenzilate |
| U039 | p-Chloro-m-cresol |
| U040 | Chlorodibromomethane |
| U041 | 1-Chloro-2,3-epoxypropane, CHLOROETHENE NU (see U226) |
| U042 | 2-Chloroethyl vinyl ether |
| U043 | Chloroethene |
| U044 | Chloroform (I,T) |
| U045 | Chloromethane (I,T) |
| U046 | Chloromethyl methyl ether |
| U047 | 2-Chloronaphthalene |
| U048 | 2-Chlorophenol |
| U049 | 4-Chloro-o-toluidine, hydrochloride |
| U050 | Chrysene, C.I. 23060 (see U073) |
| U051 | Creosote |
| U052 | Cresols |
| U053 | Crotonaldehyde |
| U054 | Cresylic acid |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| U055 | Cumene, Cyanomethane (see U003) |
| U056 | Cyclohexane (I) |
| U057 | Cyclohexanone (I) |
| U058 | Cyclophosphamide |
| U059 | Daunomycin |
| U060 | DDD |
| U061 | DDT |
| U062 | Diallate |
| U063 | Dibenz[a,h]anthracene, Dibenzo[a,h]anthracene (see U063) |
| U064 | Dibenzo[a,i]pyrene |
| U065 | Dibromochloromethane |
| U066 | 1,2-Dibromo-3-chloropropane |
| U067 | 1,2-Dibromoethane |
| U068 | Dibromomethane |
| U069 | Di-n-butyl phthalate |
| U070 | 1,2-Dichlorobenzene |
| U071 | 1,3-Dichlorobenzene |
| U072 | 1,4-Dichlorobenzene |
| U073 | 3,3-Dichlorobenzidine |
| U074 | 1,4-Dichloro-2-butene (I,T), 3,3-Dichloro-4,4, diaminobiphenyl (see U073) |
| U075 | Dichlorodifluoromethane |
| U076 | 1,1-Dichloroethane |
| U077 | 1,2-Dichloroethane |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| U078 | 1,1-Dichloroethylene |
| U079 | 1,2-trans-dichloroethylene |
| U080 | Dichloromethane, Dichloromethylbenzene (see U017) |
| U081 | 2,4-Dichlorophenol |
| U082 | 2,6-Dichlorophenol |
| U083 | 1,2-Dichloropropane |
| U084 | 1,3-Dichloropropane |
| U085 | Diepoxybutane (I,T) |
| U086 | 1,2 Diethylhydrazine |
| U087 | 0,0-Diethyl-S-methyl ester of phosphorodithioic acid |
| U088 | Diethyl phthalate |
| U089 | Diethylstilbestrol |
| U090 | Dihydrosafrole |
| U091 | 3,3-Dimethylbenzidine |
| U092 | Dimethylamine (I) |
| U093 | p-Dimethylaminoazobenzene |
| U094 | 7,12-Dimethylbenz[a]anthracene |
| U095 | 3,3-Dimethylbenzidine |
| U097 | Dimethylcarbamoyl chloride |
| U098 | 1,1-Dimethylhydrazine |
| U099 | 1,2-Dimethylhydrazine |
| U100 | Dimethylnitrosoamine |

## HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| U101 | 2,4-Dimethylphenol |
| U102 | Dimethyl phthalate |
| U103 | Dimethyl sulfate |
| U104 | 2,4-Dinitrophenol |
| U105 | 2,4-Dinitrotoluene |
| U106 | 2,6-Dinitrotoluene |
| U107 | Di-n-octyl phthalate |
| U108 | 1,4-Dioxane |
| U109 | 1,2-Diphenylhydrazine |
| U110 | Dipropylamine (I) |
| U111 | Di-N-propylnitrosamine, EBDC (see U114), 1,4-Epoxybutane (see U213) |
| U112 | Ethyl acetate (I) |
| U113 | Ethyl acrylate (I) |
| U114 | Ethylenebisdithiocarbamate |
| U115 | Ethylene oxide (I,T) |
| U116 | Ethylene thiourea |
| U117 | Ethyl ether (I,T) |
| U118 | Ethylmethacrylate |
| U119 | Ethyl methanesulfonate, Ethyinitrile (see U003), Firemaster and 23P (see U235) |
| U120 | Fluoranthene |
| U121 | Fluorotrichloromethane |
| U122 | Formaldehyde |
| U123 | Formic acid (C,T) |

TABLE C-1 (Continued)

HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| U124 | Furan (I) |
| U125 | Furfural (I) |
| U126 | Glycidyladehyde |
| U127 | Hexachlorobenzene |
| U128 | Hexachlorobutadiene |
| U129 | Hexachlorocyclohexane |
| U130 | Hexachlorocyclopentadiene |
| U131 | Hexachloroethane |
| U132 | Hexachlorophene |
| U134 | Hydrofluoric acid (C,T) |
| U135 | Hydrogen sulfide, Hydroxybenzene (see U188) |
| U136 | Hydroxydimethylarsine oxide, 4,4-(Imidocarbonyl) bis(N,N-dimethyl)aniline (see U014) |
| U137 | Indeno(1,2,3,-cd)pyrene |
| U138 | Iodomethane |
| U139 | Iron dextran |
| U140 | Isobutyl alcohol (I,T) |
| U141 | Isosafrole |
| U142 | Kepone |
| U143 | Lasiocarpine |
| U144 | Lead acetate |
| U145 | Lead phosphate |
| U146 | Lead subacetate |
| U147 | Maleic anhydride |

TABLE C-1 (Continued)

HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| U148 | Maleic hydrazide |
| U149 | Malononitrile, MEK peroxide (see U160) |
| U150 | Melphalan |
| U151 | Mercury |
| U152 | Methacrylonitrile (I,T) |
| U153 | Methanethiol (I,T) |
| U154 | Methanol (T) |
| U155 | Methapyrilene, Methyl alcohol (see U154) |
| U156 | Methyl chlorocarbonate (I,T), Methyl choroform (see U226) |
| U157 | 3-Methylcholanthrene, Methyl chloroformate (see U156) |
| U158 | 4,4-Methylene-bis-(2-chloroaniline) |
| U159 | Methyl ethyl ketone (MEK) (I,T) |
| U161 | Methyl isobutyl ketone (I) |
| U162 | Methyl methacrylate (I,T) |
| U163 | N-Methyl-N-nitro-N-nitrosoguanidine |
| U164 | Methylthiouracil, Mitronycin C (see U010) |
| U165 | Naphthalene |
| U166 | 1,4-Naphthaquinone |
| U167 | 1-Naphthylamine |
| U168 | 2-Naphthylamine |
| U169 | Nitrobenzene (I,T), Nitrobenzol (see U169) |
| U170 | 4-Nitrophenol |

TABLE C-1 (Continued)

HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| U171 | 2-Nitropropane (I) |
| U172 | N-Nitrosodi-n-butylamine |
| U173 | N-Nitrosodiethanolamine |
| U174 | N-Nitrosodiethylamine |
| U175 | N-Nitroso-N-propylamine |
| U176 | N-Nitroso-N-ethylurea |
| U177 | N-nitro-N-methylurea |
| U178 | N-Nitroso-N-methylurethane |
| U179 | N-Nitrosopiperidine |
| U180 | N-Nitrosopyrrolidine |
| U181 | 5-Nitro-o-toluidine |
| U182 | Paraldehyde, PCNB (see U185) |
| U183 | Pentachlorobenzene |
| U184 | Pentachloroethane |
| U185 | Pentachloronitrobenzene |
| U186 | 1,3-Pentadiene(I), Perc(see U210), Perchlorethylene (see U210) |
| U187 | Phenacetin |
| U188 | Phenol |
| U190 | Phthalic anhydride |
| U191 | 2-Picoline |
| U192 | Pronamide |
| U193 | 1,3-Propane sultone |
| U194 | n-Propylamine (I,T) |

TABLE C-1 (Continued)

HAZARDOUS MATERIALS MANAGED AT PROTECO FACILITY

| EPA HAZARDOUS WASTE NO. | SUBSTANCE |
|---|---|
| U196 | Pyridine |
| U197 | Quinones |
| U200 | Reserpine |
| U201 | Resorcinol |
| U202 | Saccharin and salts |
| U203 | Safrole |
| U204 | Selenious acid |
| U205 | Selenium sulfide (R,T), Silvex (see U233) |
| U206 | Streptozótocin, 2,4,5-T (see U232) |
| U207 | 1,2,4,5-Tetrachlorobenzene |
| U208 | 1,1,1,2-Tetrachloroethane |
| U209 | 1,1,2,2-Tetrachloroethane |
| U210 | Tetrachloroethene, Tetrachloroethylene |
| U211 | Tetrachloromethane |
| U212 | 2,3,4,6-Tetrachlorophenol |
| U213 | Tetrahydrofuran (I) |
| U214 | Thallium (I) acetate |
| U215 | Thallium (I) carbonate |
| U216 | Thallium (I) chloride |
| U217 | Thallium (I) nitrate |
| U218 | Thioacetamide |
| U219 | Thiourea |
| U220 | Toluene |
| U221 | Toluenediamine |

TABLE C-2

SOME HAZARDOUS WASTES ACCEPTED AT PROTECO

| EPA Hazardous Waste No | Waste Classification | Wastes Included |
|---|---|---|
| D001 | Ignitable Waste | Acetone, methanol, isopropyl alcohol various oils, paint wastes, liquid tars, lacquer chip and lacquer base. |
| D002 | Acidic Solutions | Acid cleaning solutions, ferric chloride solutions, sulfuric acid and hydrochloric acid. |
| D002 | Alkaline Solutions | Alkaline cleaning solutions, sodium hydroxide, wastes generated in the production of chlorox. |
| | EP Toxic Wastes | Wastes w/EP Toxic metals concentrations from hair and beauty products, electroplating operations and electrical part products. |
| F001,F002 | Spent Halogenated Solvents | Methylene chloride, 1,1,1-trichloroethane and still bottoms. |
| F003,F005 | Spent Non-Halogenated Solvents | Acetone, ethyl acetate, xylene and toluene. |
| F006 | Electroplating Wastewater Sludges | Sludge with concentrations of cadmium, hexavalent chromium or nickel. |
| D013 | Pesticide waste | Lindane concentration higher than 0.4 ppm in shampoo waste. |
| K052 | Leaded Tank Bottoms | Tank bottoms from petroleum refining. |
| K062 | Pickle Liquor | Spent pickle liquor from steel finishing operations containing hexavalent chromium or lead. |

(0059c)

TABLE C-2 (CONTINUED)

SOME HAZARDOUS WASTES ACCEPTED AT PROTECO

| EPA Hazardous Waste No | Waste Classification | Wastes Included |
|---|---|---|
| P105 | Commercial Chemical Products | Off-spec chemicals |
| U002, U112 | Commercial Chemical Products | Ignitable off-spec chemical products |
| U154, U239 | Commercial Chemical Products | |
| U019, U220 | Commercial Chemical Products | Ignitable and toxic off-spec chemical products. |

Hazardous Wastes
Not Accepted at PROTECO

Shock Sensitive Waste
Radioactive Wastes
Highly Reactive Wastes
Explosives
Pressurized Gases in Cylinders
TSCA - Regulated Wastes
Pyrophoric Wastes
F020
F021
F022
F023
F026
F027

(0059c)

1C

530 Fifth Avenue, New York, N.Y. 10036-5166 (212) 840-3990

Fred C. Hart Associates, Inc.

signed 11-27-85 Rec'd 12/19

HART

December 24, 1985

Mr. Stanley Seigel
U.S. Environmental Protection Agency
Region 2
26 Federal Plaza
New York, N.Y. 10278

Re: PROTECO Part A Application

Dear Mr. Seigel:

On behalf of PROTECO, we are forwarding one signed copy of an updated Part A Application which reflects the latest management staff and current status of regulated units at the facility.

Should you have any questions, do not hesitate to call.

Very truly yours,

FRED C. HART ASSOCIATES, INC.

Gary Brown

Gary R. Brown, P.E.

GRB/dg
cc: J. Gorman
(B511)

FORM 1 GENERAL

EPA

# GENERAL INFORMATION

11-27-85

*Consolidated Permits Program*

*(Read the "General Instructions" before starting.)*

F PR0091016622

LABEL ITEMS

I. EPA 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, af it in the designated space. Review the infor ation carefully; if any of it is incorrect, cr through it and enter the correct data in appropriate fill—in area below. Also, if any the preprinted data is absent *(the area to left of the label space lists the informat that should appear)*, please provide it in proper fill—in area(s) below. If the label complete and correct, you need not compl Items I, III, V, and VI *(except VI-B wh must be completed regardless)*. Complete Items II no label has been provided. Refer the instructions for detailed item desc tions and for the legal authorizations un 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 activit 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 | | 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 PROTECCION TECNICA ECOLOGICA INC.

## IV. FACILITY CONTACT

| A. NAME & TITLE (last, first, & title) | B. PHONE (area code & no.) |
|---|---|
| 2 RAUL GAYA GENERAL MANAGER | 809 837 2211 |

## V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 FIRM DELIVERY

| B. CITY OR TOWN | C. STATE | D. ZIP CODE |
|---|---|---|
| 4 PONCE | PR | 00731 |

## VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 ROAD 385 Km35

B. COUNTY NAME

TALLABOA

| C. CITY OR TOWN | D. STATE | E. ZIP CODE | F. COUNTY CODE (if known) |
|---|---|---|---|
| 6 PENUELAS | PR | 00724 | |

CONTINUE ON REV

| A. FIRST | B. SECOND |
|---|---|
| 7399 (specify) Business Service (NEC) Waste Disposal | C 7 8899 (specify) Service (NEC) Landfill |
| **C. THIRD** | **D. FOURTH** |
| (specify) | C 7 (specify) |

## II. OPERATOR INFORMATION

A. NAME: PROTECCION TECNICA ECOLOGICA INC.

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

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.): C A 809 837 2211

E. STREET OR P.O. BOX: ROAD 385 Km 35

F. CITY OR TOWN: PENEULAS | G. STATE: PR | H. ZIP CODE: 00731

## IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

## EXISTING ENVIRONMENTAL PERMITS

| | |
|---|---|
| A. NPDES (Discharges to Surface Water): T N | D. PSD (Air Emissions from Proposed Sources): C 9 T P |
| B. UIC (Underground Injection of Fluids): T U | E. OTHER (specify): C 9 T R SP #5 (specify) Quality Board |
| C. RCRA (Hazardous Wastes): T R | E. OTHER (specify): C 9 T 75-12-19-56 (specify) Puerto Rico Planning Board |

## E. 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.

## II. NATURE OF BUSINESS (provide a brief description)

Treatment, storage and disposal of hazardous and non-hazardous waste from various manufacturing plants in Puerto Rico.

## III. 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 |
|---|---|---|
| Jorge J. Fernandez, President | Jorge Fernandez Cotto | |

## COMMENTS FOR OFFICIAL USE ONLY

FORM 3 RCRA

EPA

# 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 1 0 1 8 6 2 2

## 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 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' 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)*

| C | YR. | MO. | DAY |
|---|---|---|---|
| 8 | | | |

☐ 2. NEW FACILITY *(Complete item below.)*

FOR NEW FACILITI PROVIDE THE DATI *(yr., mo., & day)* OPE TION BEGAN OR IS EXPECTED TO BEG

| 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 fo 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, the 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 |
|---|---|
| GALLONS | G |
| LITERS | L |
| CUBIC YARDS | Y |
| CUBIC METERS | C |
| GALLONS PER DAY | U |
| LITERS PER DAY | V |
| TONS PER HOUR | D |
| METRIC TONS PER HOUR | W |
| GALLONS PER HOUR | E |
| LITERS PER HOUR | H |
| ACRE-FEET | A |
| HECTARE-METER | F |
| ACRES | B |
| HECTARES | Q |

**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 th other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP T/A 1

| LINE NUMBER | A. PROCESS CODE (from list above) | B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify) | 2. UNIT OF MEASURE (enter code) | FOR OFFICIAL USE ONLY |
|---|---|---|---|---|
| X-1 | S 0 2 | 600 | G | |
| X-2 | T 0 3 | 20 | E | |
| 1 | S 0 4 | 100,000 (LB) | G | |
| 2 | D 8 0 | 4.72 (TI3) | A | |
| 3 | S 0 1 | 55,000 (DE) | G | |
| 4 | | | | |

| LINE NUMBER | A. PROCESS CODE (from list above) | B. PROCESS DESIGN CAPACITY 1. AMOUNT | 2. UNIT OF MEASURE (enter code) | FOR OFFICIAL USE ONLY |
|---|---|---|---|---|
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

## V. 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 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.

. **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.

. **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.

). **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 | K 0 5 4 | 900 | P | T 0 3 D 8 0 | |
| X-2 | 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* |

 CONTINUE ON PAGE

## V. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

Note 1: The only wastes from this list entering units LB and TI3 are from spills, spill residues and liquid decanted from the oil lagoons (LA, Unit No. 9).

| EPA I.D. NO. *(enter from page 1)* | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | R | D | 0 | 9 | 1 | 0 | 1 | 8 | 6 | 2 | 2 | T/A | C | 6 |

## VI. 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).*

## VII. 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 01 05 | 66 41 03 |

## 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.* |
|---|---|
| Compania Ganadera del Sur, Inc | 801-836-108 |

| 3. STREET OR P.O. BOX | 4. CITY OR TOWN | 5. ST. | 6. ZIP CODE |
|---|---|---|---|
| F Firm Delivery | G Ponce | PR | 00731 |

## 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 |
|---|---|---|
| Lucas P. Valdivieso | L. P. Valdivieso | 12/13/85 |

## 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 |
|---|---|---|
| Jorge J. Fernandez | Jorge J. Fernandez | November 27, 1985 |

CONTINUE ON PAG

EPA I.D. NUMBER (enter from page 1): R D 0 9 1 0 1 8 6 2 2 — T/A C: 1

W DUP — 2 DUP

## DESCRIPTION OF HAZARDOUS WASTES (continued)

| 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)) |
|---|---|---|---|---|---|---|---|---|
| | D001 | 130,000 | K | S01 | S04 | | | See Note 1 |
| | D001 | 100,000 | K | S01 | S04 | | | " |
| | D002 | 2,000,000 | K | S01 | S04 | | | " |
| | D002 | 2,000,000 | K | S01 | *T01 | | | " |
| | D004 | 100 | K | S01 | *T01 | D80 | | " |
| | D006 | 300 | K | S01 | *T01 | D80 | | " |
| | D007 | 50 | K | S01 | *T01 | D80 | | " |
| | D008 | 950,000 | K | S01 | *T01 | | | " |
| | D008 | 80,000 | K | S01 | *T01 | D80 | | " |
| 0 | D009 | 55,000 | K | S01 | *T01 | D80 | | " |
| 1 | D010 | 200 | K | S01 | *T01 | D80 | | " |
| 2 | D011 | 10 | K | S01 | *T01 | D80 | | " |
| 3 | D013 | 290,000 | K | S01 | *T01 | D80 | | " |
| 4 | F001 | 64,000 | K | S01 | *T01 | D80 | | " |
| 5 | F002 | 17,000 | K | S01 | *T01 | D80 | | " |
| 6 | F003 | 60,000 | K | S01 | *T01 | D80 | | " |
| 7 | F005 | 31,000 | K | S01 | *T01 | D80 | | " |
| 8 | F006 | 52,000 | K | S01 | *T01 | D80 | | " |
| 19 | K062 | 2,000 | K | S01 | *T01 | D80 | | " |
| 20 | P105 | 100 | K | S01 | *T01 | D80 | | " |
| 21 | U002 | 5,000 | K | S01 | *T01 | D80 | | " |
| 22 | U019 | 5,000 | K | S01 | *T01 | D80 | | " |
| 23 | U044 | 3,000 | K | S01 | *T01 | D80 | | " |
| 24 | U080 | 4,000 | K | S01 | *T01 | D80 | | " |
| 25 | U112 | 5,000 | K | S01 | *T01 | D80 | | " |
| 26 | U122 | 1,500 | K | S01 | *T01 | D80 | | " |

* Proposed Facility Not Listed in this Part A Application

CONTINUE ON RE

EPA I.D. NUMBER (enter from page 1): R D 0 9 1 0 1 8 6 2 2 — T/A C: 1

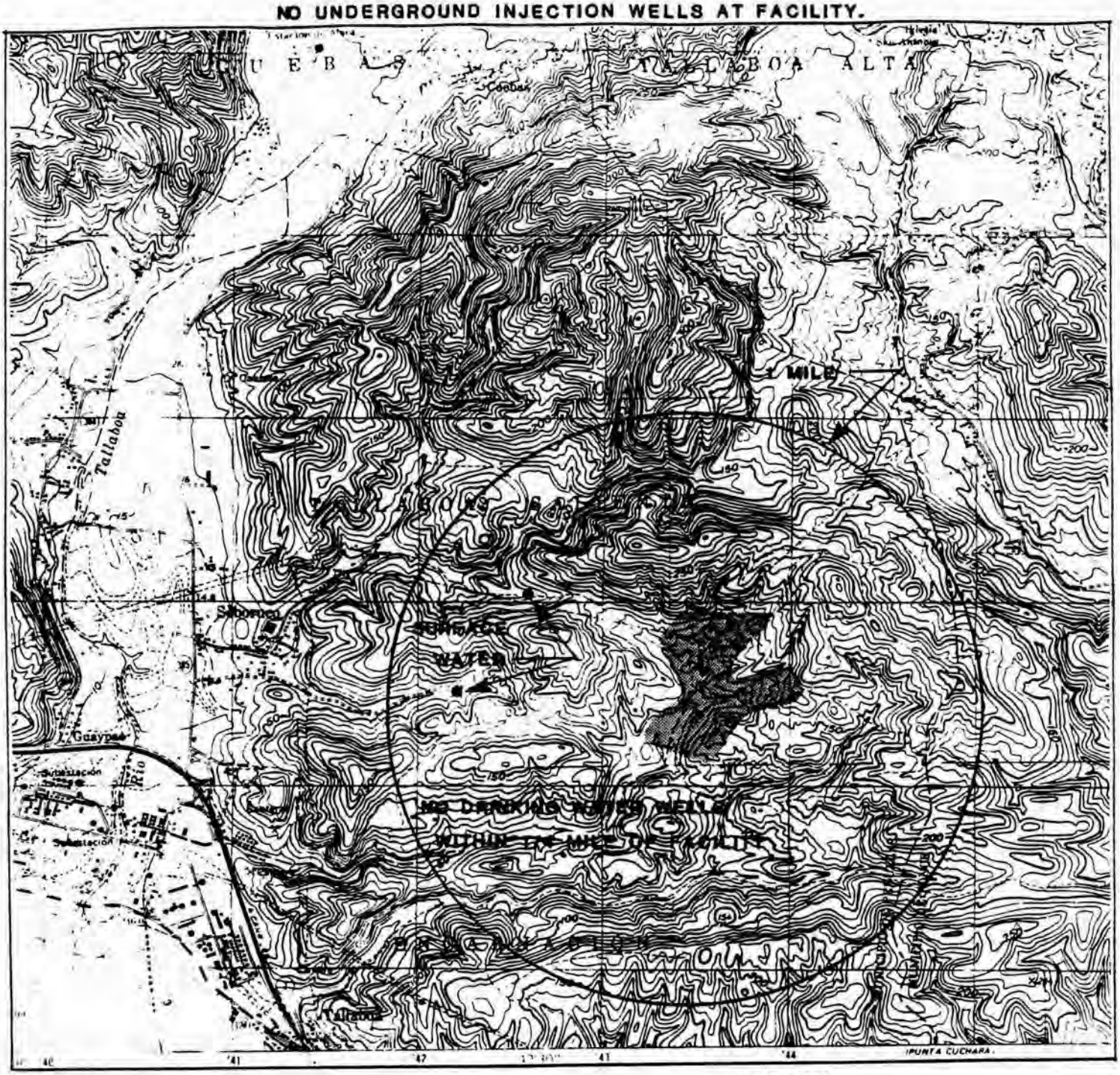
FOR OFFICIAL USE ONLY: S W — DUP — T/A C: 2 — DUP

## DESCRIPTION OF HAZARDOUS WASTES (continued)

| 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)) |
|---|---|---|---|---|
| U188 | 5,000 | K | S01 T01* D80 | See Note 1 |
| U130 | 500 | K | S01 T01* D80 | " |
| U144 | 50 | K | S01 T01* D80 | " |
| U151 | 10,000 | K | S01 T01* D80 | " |
| U154 | 10,000 | K | S01 T01* D80 | " |
| U201 | 50 | K | S01 T01* D80 | " |
| U210 | 1,500 | K | S01 T01* D80 | " |
| U220 | 5,000 | K | S01 T01* D80 | " |
| U226 | 12,000 | K | S01 T01* D80 | " |
| U228 | 5,000 | K | S01 T01* D80 | " |
| U230 | 100 | K | S01 T01* D80 | " |
| U239 | 2,000 | K | S01 T01* D80 | " |
| U021 | 50 | K | S01 T01* D80 | " |
| F016 | 8,000 | K | S01 T01* D80 | " |
| F007 | 9,000 | K | S01 T01* D80 | " |
| K052 | 2,000 | K | S01 T01* D00 | " |

CONTINUE ON REVER

**NO UNDERGROUND INJECTION WELLS AT FACILITY.**




SCALE 1:20000

**EXISTING FACILITY**

N

PUERTO RICO

QUADRANGLE LOCATION

PEÑUELAS, P. R.

N1800—W6637 5/7 5

1972

PHOTOREVISED 198

DMA 1222 II NW-SERIES E835

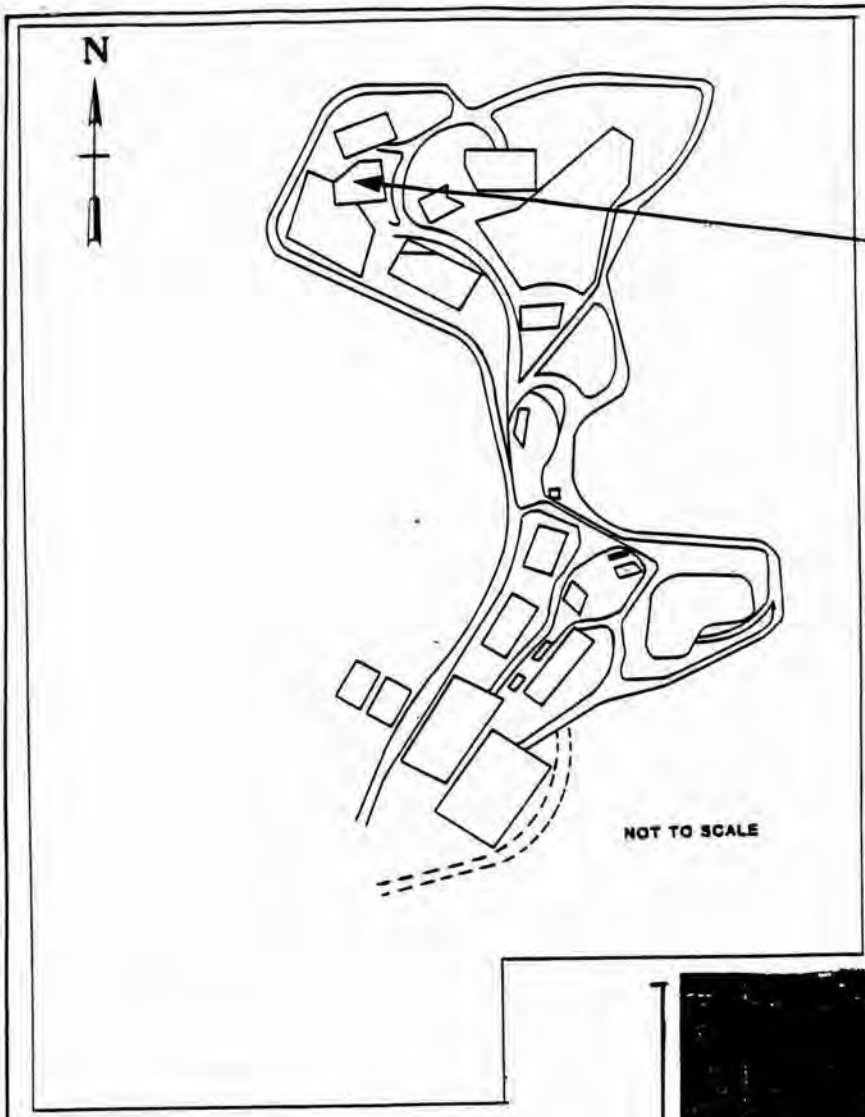
**PART A**

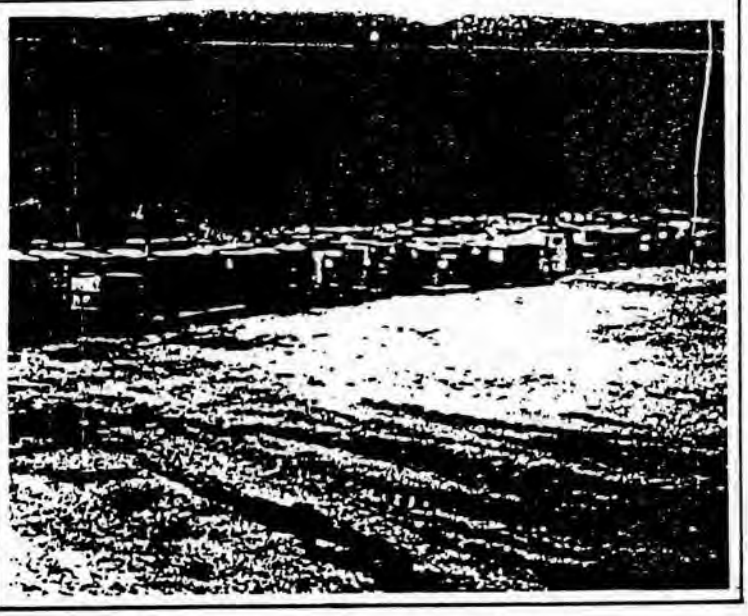
**LOCATION OF**

**SERVICIOS CARBAREON, INC.**

**PENUELAS, P.R.**

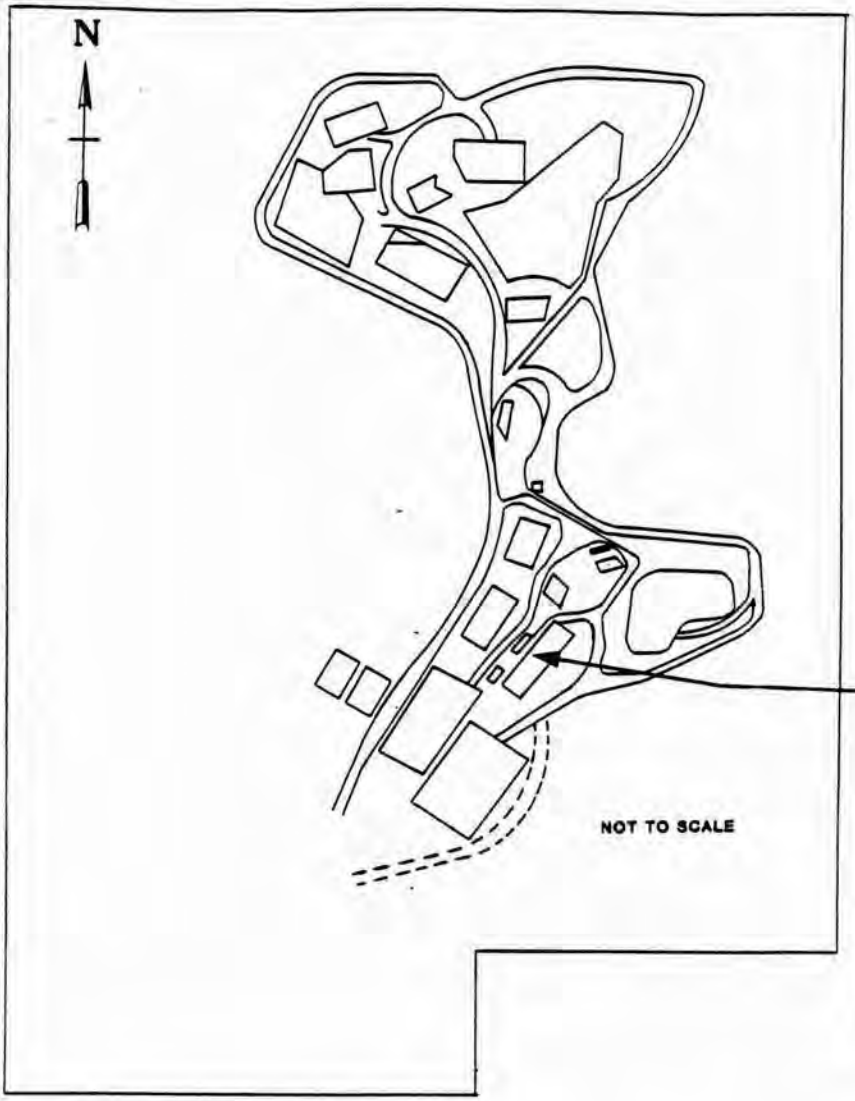
**FRED C. HART ASSOCIATES, INC.**



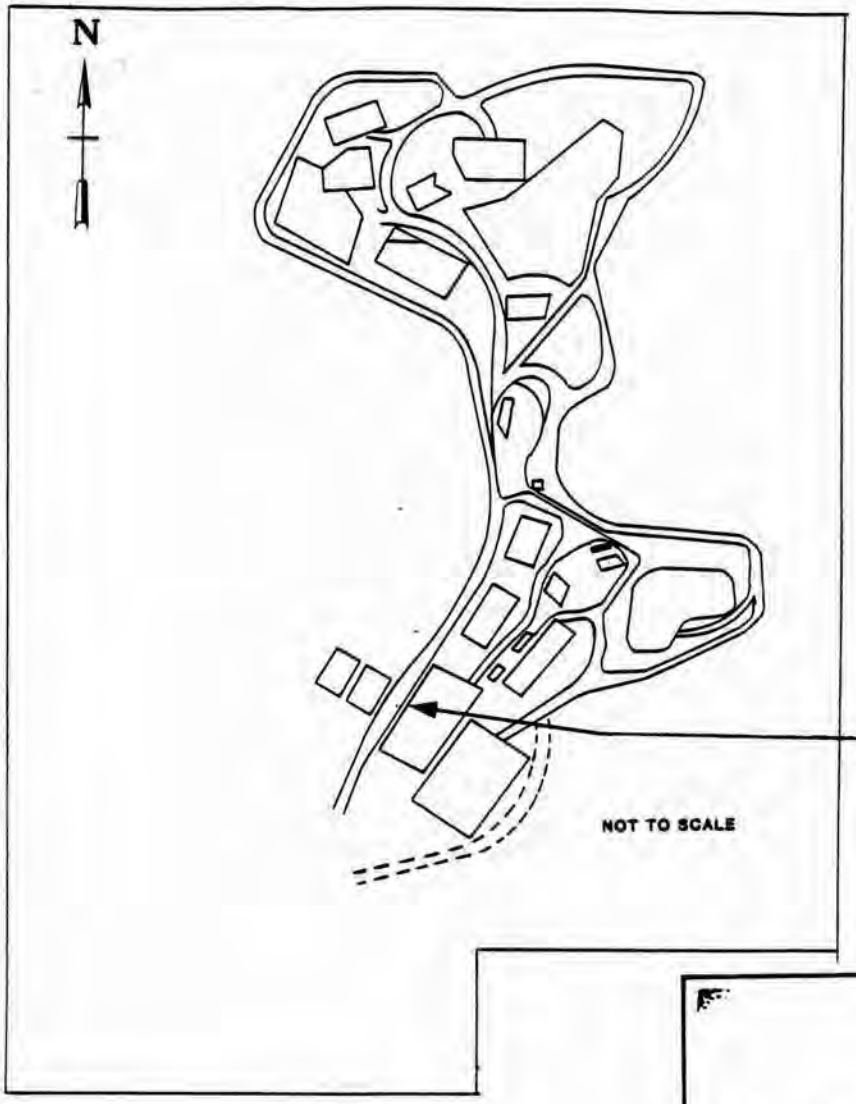
**DRUM STORAGE AREA**
**(D E)**
PROTECO
**PENUELAS, PUERTO RICO**
**JULY 26, 1984**

**FACILITY NO: 4**



RAINWATER BASIN
(L B)
PROTECO
PENUELAS, PUERTO RICO
JULY 26, 1984

FACILITY NO 13




LOCATION OF
IMMOBILIZATION
FACILITY (TI3)
PROTECO FACILITY

**IMMOBILIZATION FACILITY**

PROTECO

**PENUELAS, PUERTO RICO**

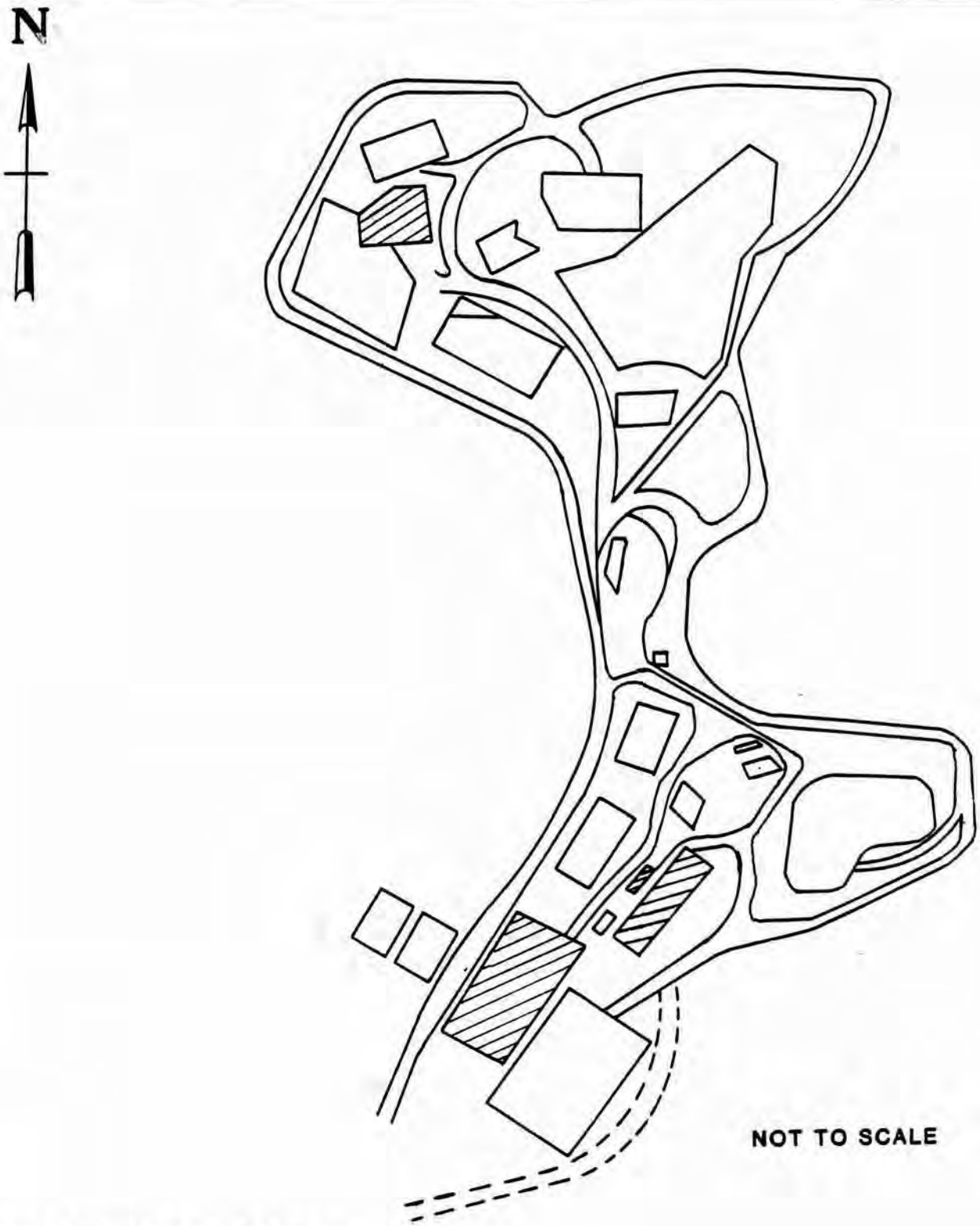
**JULY 26,1984**

**FACILITY NO: 16**

Continued from page 4.



## V. FACILITY DRAWING *(see page 4)*




REGULATED HAZARDOUS WASTE UNITS

REGULATED HAZARDOUS WASTE UNITS COVERED IN THIS PART A APPLICATION

PART A

FACILITY DRAWING

FRED C. HART ASSOCIATES, INC.

Please print or type in the unshaded areas only (fill—in areas are spaced for elite type, i.e., 12 characters/inch).

10-30-80

Form Approved OMB No. 158-R0175

OK

1C

FORM 1 GENERAL

EPA

ENVIRONMENTAL PROTECTION AGENCY

# GENERAL INFORMATION

*Consolidated Permits Program*

*(Read the "General Instructions" before starting.)*

I. EPA I.D. NUMBER: S F P R D 0 9 1 0 1 8 6 2 2 T/A 3 C D

LABEL ITEMS

I. EPA 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, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill—in area below. Also, if any of the preprinted data is absent *(the area to the 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 not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under 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 | NO | FORM ATTACHED | 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 | |
| | 16 | 17 | 18 | | 19 | 20 | 21 |
| 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 | |
| | 22 | 23 | 24 | | 25 | 26 | 27 |
| E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3) | X | | 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 | |
| | 28 | 29 | 30 | | 31 | 32 | 33 |
| 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 | |
| | 34 | 35 | 36 | | 37 | 38 | 39 |
| 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 | |
| | 40 | 41 | 42 | | 43 | 44 | 45 |

## III. NAME OF FACILITY

1 SKIP SERVICIOS CARBAREON INC.

## IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*: 2 COLON SOL L OPERATIONS MANAGER

B. PHONE *(area code & no.)*: 809 836 2058

## V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 FIRM DELIVERY

B. CITY OR TOWN: 4 PONCE

C. STATE: PR

D. ZIP CODE: 00731

## VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 CARR 385 Km 3 Hm 5 TALL ABOA

B. COUNTY NAME: ~~TALL ABOA~~

C. CITY OR TOWN: 6 PEÑUELAS

D. STATE: PR

E. ZIP CODE: 00724

F. COUNTY CODE *(if known)*:

CONTINUED FROM THE FRONT

**VII. SIC CODES** *(4-digit, in order of priority)*

| A. FIRST | B. SECOND |
|---|---|
| C 7 (specify) | C 7 (specify) |
| **C. THIRD** | **D. FOURTH** |
| C 7 (specify) | C 7 (specify) |

**VIII. OPERATOR INFORMATION**

A. NAME: C 8 SERVICIOS CARBAREON 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
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*

P (specify)

D. PHONE *(area code & no.)*: C A 809 836 2058

E. STREET OR P.O. BOX: FIRM DELIVERY

F. CITY OR TOWN: C B PONCE

G. STATE: PR

H. ZIP CODE: 00731

**IX. INDIAN LAND**

Is the facility located on Indian lands? ☐ YES ☒ NO

**X. EXISTING ENVIRONMENTAL PERMITS**

| | |
|---|---|
| A. NPDES *(Discharges to Surface Water)*: C T I 9 N | D. PSD *(Air Emissions from Proposed Sources)*: C T I 9 P |
| B. UIC *(Underground Injection of Fluids)*: C T I 9 U | E. OTHER *(specify)*: C T I 9 RSP #5 — *(specify)* Puerto Rico Environmental Quality Board |
| C. RCRA *(Hazardous Wastes)*: C T I 9 R | E. OTHER *(specify)*: C T I 9 75-12-19-56 — *(specify)* Puerto Rico Planning Board |

**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: M/50

**XII. NATURE OF BUSINESS** *(provide a brief description)*

Disposal of industrial waste, which may or may not be hazardous. Organic biodegradable materials are anaerobically and aerobically degraded in batch reactors with subsequent land treatment of the sludge residue. Inorganic waste is landfill in close containers Ej. metal drums, and/or in sanitary landfill when handle in bulk state.

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 |
|---|---|---|
| SOL L. COLON – Operations Manager | Sol L. Colón | Oct 30, 1980 |

**COMMENTS FOR OFFICIAL USE ONLY**

C

Please print or type in the unshaded areas only 11-3-80
(fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-S80004

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**

S F P R D 0 9 1 0 1 8 6 2 2 T/A 3 C 1

**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)*

[X] 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

C 8 — YR. 7 5 — MO. 0 4 — DAY 2 9

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 below.)*

YR. MO. DAY

FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

**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 | B |
| 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.

S 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) | FOR OFFICIAL USE ONLY |
|---|---|---|---|---|---|---|---|---|---|
| X-1 | S 0 2 | 600 | G | | 5 | T 0 4 | ~~1,892,100~~ 999999999 | V | |
| X-2 | T 0 3 | 20 | E | | 6 | | | | |
| 1 | S 0 2 | 150,000 000 | L | | 7 | | | | |
| 2 | D 8 0 | 50 000 | F | | 8 | | | | |
| 3 | D 8 1 | 2 500 | Q | | 9 | | | | |
| 4 | T 0 2 | ~~8,110,000~~ 999999999 | V | | 10 | | | | |

Continued from the front.

## III. PROCESSES *(continued)*

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04 —— the amount shown refers to biodegradation of materials in surface impoundments.

## 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 | K 0 5 4 | 900 | P | T 0 3 D 8 0 | |
| X-2 | 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* |



CONTINUE ON PAGE 3

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 PRD091018622 T/A 3 C 1

FOR OFFICIAL USE ONLY: W DUP T/A 3 C 2 DUP

## IV. 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 | F001 | 20,707 000 | K | T04 D81 | |
| 2 | F002 | 10,353 000 | K | T04 D81 | |
| 3 | F005 | 79,044 000 | K | T04 D81 | |
| 4 | F006 | 589,907 000 | K | D80 | |
| 5 | K049 | 202,079 000 | K | T04 D81 | |
| 6 | K051 | 404,158 000 | K | T04 D81 | |
| 7 | K052 | 63,998 000 | K | T04 D81 | |
| 8 | K087 | | | | included with above |
| 9 | D002 | ~~2,082,500~~ 999999999 | K | T02 D80 | |
| 10 | D002 | 61,710 000 | K | T02 D80 | |
| 11 | D008 | 15,790 000 | K | D80 | |
| 12 | D009 | 126,000 000 | K | T02 D81 | |
| 13 | D008 | 773,345 000 | K | T04 D81 | |
| 14 | D002 | 29,925 000 | K | D80 | |
| 15 | D002 | 321,145 000 | K | T04 D81 | |
| 16 | D002 | 92,727 000 | K | T04 D81 | |
| 17 | D007 | ~~2,335,823~~ 999999999 | K | D80 | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |

Continued from the front.

## IV. DESCRIPTION OF HAZARDOUS WASTE (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)

| S | | T/A | C |
|---|---|---|---|
| F | PRD091018622 | 3 | 6 |

F6: A/55 F6: A/56

## 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 01 050 | 066 41 030 |

## 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 Compañía Ganadera del Sur, Inc. | 809-836-1086 |

| 3. STREET OR P.O. BOX | 4. CITY OR TOWN | 5. ST. | 6. ZIP CODE |
|---|---|---|---|
| F Firm Delivery | G Ponce, | PR | 00731 |

## 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 |
|---|---|---|
| Lucas P. Valdivieso | [signature] | NOVEMBER 3, 1980. |

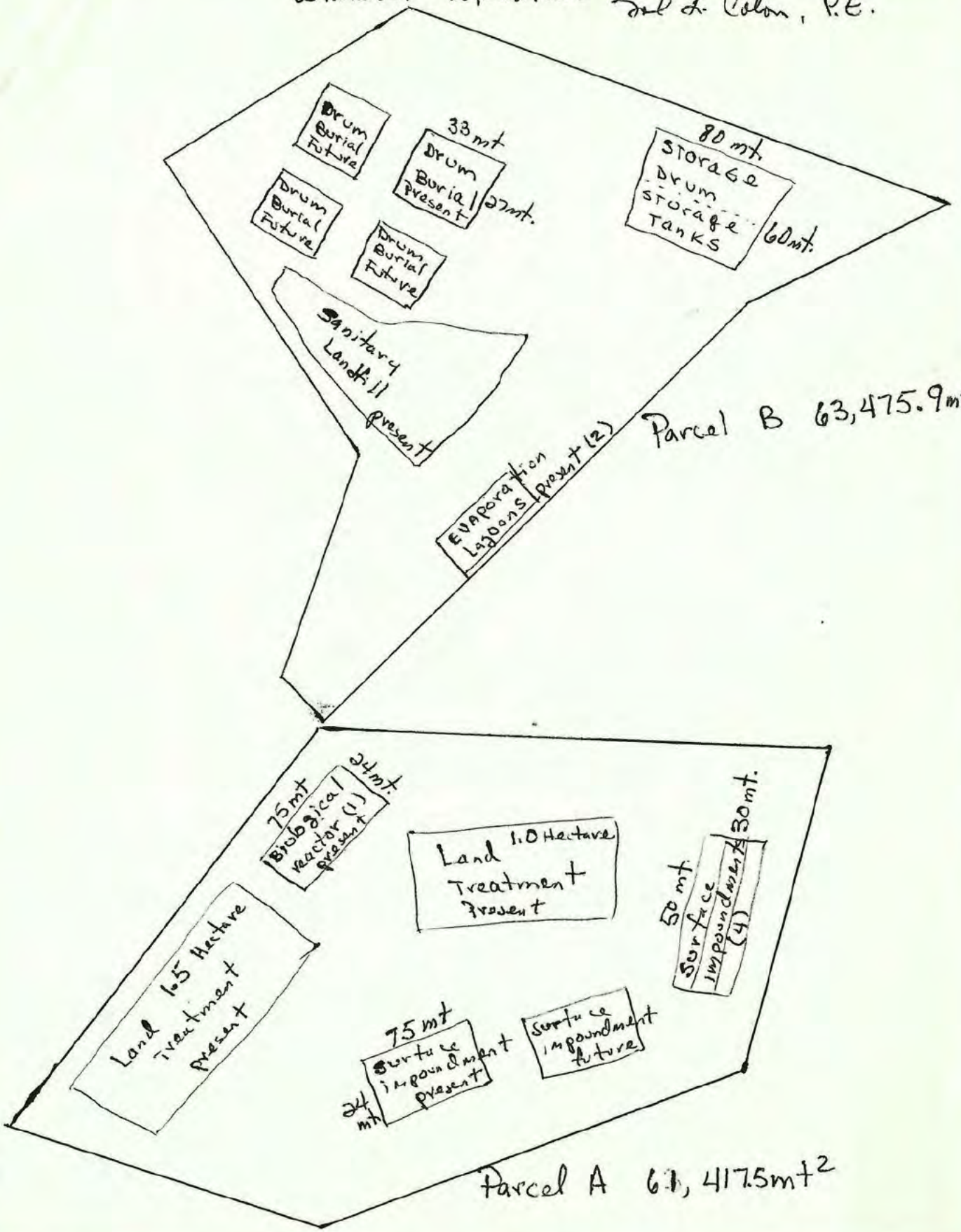
## X. OPERATOR CERTIFICATION

*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 |
|---|---|---|
| Carlos Bartolomei León | [signature] | 11-3-80 |



CONTINUE ON PAGE 5

V. FACILITY DRAWING (see page 4)

Important note: There is a complete set of drawings of the facility. The set will be submitted whenever requested. Sol L. Colón, P.E.