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SITE INVESTIGATION

REICHHOLD CHEMICALS, INC.

NEWARK, ESSEX COUNTY

EPA ID NO. NJD048797195

New Jersey Department of Environmental Protection and Energy
Division of Responsible Party Site Remediation
Bureau of Field Operations-Site Assessment Section

266666

REICHHOLD CHEMICALS, INC.
AKA: CELLOMER CORPORATION
AKA: DIC AMERICAS, INC.
AKA: VITA-VAR PAINT CO.
AKA: POLYCHROME CHEMICAL
46-58 ALBERT AVENUE
NEWARK, ESSEX COUNTY, NEW JERSEY
EPA ID NO.: NJD048797195

NARRATIVE

MAPS

1. UNITED STATES GEOLOGICAL SURVEY (USGS) TOPOGRAPHIC MAP - ORANGE AND ELIZABETH QUADRANGLES

2. SITE MAP

3. TAX MAP (YEAR UNKNOWN)

4. ESSEX COUNTY ROAD MAP (1989)

5. COMPUTER GENERATED WATER WITHDRAWAL POINTS MAP

6. WETLANDS MAP - ORANGE AND ELIZABETH QUADRANGLES

ATTACHMENTS

A. OWNERSHIP HISTORY; JANUARY 15, 1993

B. PLANT PROFILE; DATE UNKNOWN

C. NJDEP HAZARDOUS WASTE INVESTIGATION; FEBRUARY 1982

D. NJDEP RIGHT TO KNOW SURVEY; FEBRUARY 28, 1991

E. NJDEP HAZARDOUS WASTE MANAGEMENT FACILITY INVESTIGATION REPORT; OCTOBER 1989

F. PASSAIC VALLEY SEWERAGE COMMISSIONERS PERMIT; JANUARY 11, 1982

G. NJDEP SEWER DEATH INVESTIGATION; NOVEMBER 18, 1981

H. NJDEP SEWER DEATH INVESTIGATION; NOVEMBER 19, 1981

I. FAILURE TO SUBMIT A RCRA PART A PERMIT APPLICATION; JUNE 5, 1984

J. RCRA PART A PERMIT APPLICATION; AUGUST 7, 1984

K. PORTABLE 4,000-GALLON ABOVEGROUND STORAGE TANK (AGST); MAY 21, 1990

L. REQUEST FOR GENERATOR ONLY STATUS; MARCH 19, 1990

M. POLYESTER RESIN SPILL NOTIFICATION; JULY 8, 1992

N. AGST TANK INVENTORY; DECEMBER 2, 1988

O. NJDEP FIELD INVESTIGATION ASSIGNMENT REPORT; DECEMBER 19, 1988

P. NJDEPE PRE-SAMPLING ASSESSMENT; JANUARY 22, 1993

Q. NJDEP COMPLAINT, COMPLIANCE ORDER AND NOTICE OF OPPORTUNITY FOR HEARING; FEBRUARY 24, 1982

R. NJDEP CONSENT AGREEMENT AND FINAL COMPLIANCE ORDER; OCTOBER 13, 1982

S. NJDEP ADMINISTRATIVE ORDER AND NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT; FEBRUARY 27, 1990

T. REQUEST FOR ADMINISTRATIVE HEARING; MARCH 21, 1990

U. NJDEP AMENDED NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT; MARCH 1991

V. CLOSURE PLAN FOR THE REMOVAL OF TWO USTS CONTAINING LEADED GASOLINE AND ONE UST CONTAINING DIESEL FUEL; JULY 21, 1992

W. CLOSURE PLAN FOR THE ABANDONMENT OF AN UST CONTAINING FUEL OIL #2; JULY 21,1992

X. CLOSURE PLAN FOR THE ABANDONMENT OF AN UST CONTAINING VM&P NAPHTHA AND AN UST CONTAINING MINERAL SPIRITS; JULY 21, 1992

Y. NJDEP, DHWM, ECRA NOTICE OF NONAPPLICABILITY; DECEMBER 2, 1988

Z. SOIL SAMPLING RESULTS; MAY 21, 1993

NARRATIVE

SITE INSPECTION REPORT

PART I: GENERAL INFORMATION

Site Name: Reichhold Chemicals, Inc.
Aka: Cellomer Corporation
Aka: DIC Americas, Inc.
Aka: Vita-Var Paint Co.
Aka: Polychrome Chemical
Address: 46-58 Albert Avenue
Municipality: Newark **State:** New Jersey **Zip Code:** 07105
County: Essex
EPA ID No.: NJD048797195
Block: 2448 **Lot(s):** 29
Block: **Lot(s):**
Latitude: 40° 43′ 12" **Longitude:** 74° 08′ 17"
Acreage: 2.9 **SIC Code:** 2821

Current Owner: Reichhold Chemicals, Inc.
Mailing Address: P.O. Box 13582
City: Research Triangle Park **State:** North Carolina
Zip Code: 27709-3582
Telephone No.: (919) 990-7836

Current Operator: Reichhold Chemicals, Inc.
Mailing Address: 46 Albert Avenue
City: Newark **State:** New Jersey **Zip Code:** 07105
Telephone No.: (201) 589-3875

Owner/Operator History:

NAME	OPERATOR/ OWNER	DATES FROM	TO
Vita-Var Paint Co.	owner/operator	1935	1966
Cellomer Corp.	owner/operator	1966	1983
Polychrome Chemicals	owner/operator	1983	1989
Reichhold Chemicals	owner/operator	1989	Present

Surrounding Land Use (zoning, adjacent properties):
The area surrounding the Reichhold site is industrially zoned with paint and chemical companies and warehousing operations located within the immediate vicinity of the site.

Distance to Nearest Residence: 2,000 feet
Direction: south
Population Density (residents per square mile): 11,560

PART II: SITE OPERATIONS

Discuss all current and past operations at the site.

The Reichhold site located at 46-58 Albert Avenue is one of two Reichhold Chemicals, Inc. plants in Newark, New Jersey. This

facility is one of nine facilities across the country within the Reichhold Chemicals' Coating Polymers and Resins Division. Reichhold's other operating divisions serve the core businesses of emulsion polymers, unsaturated polyesters and formulated adhesives. In 1933, the plant started operations as Vita-Var and was later sold as an operating division to Textron. In 1966, the plant was acquired by Cellomer Corporation. Cellomer was merged into Polychrome Chemicals Corporation by its parent company Polychrome Corporation in 1983. Polychrome Corporation was acquired by Dainippon Ink and Chemicals (DIC) Americas, Inc. in 1979. When DIC Americas acquired Reichhold Chemicals, Inc. in 1987, the corporation was reorganized such that Reichhold Chemical owned the Albert Avenue plant in 1989 (see Attachment A). According to the plant environmental engineer, this transition did not trigger the Environmental Cleanup Responsibility Act (ECRA) (see Attachment Y).

The Albert Avenue plant manufactures oil-modified alkyd and polyester resins and thermosetting and thermoplastic polymers for the paint, coating and graphic arts industries (see Attachment B). There are six chemical reaction vessels, three direct fired and three heated with Dowtherm liquid which produce the desired products utilizing classic alkyd chemistry. Some chemical intermediates, such as the sensitized coatings used in photography, are produced by Reichhold for Polychrome Chemicals of Yonkers, New York. The alkyd resins consist of dibasic acids, polyols and vegetable oils. Solvents utilized in the resin and polymer production process include methyl butyl ketone, methyl ethyl ketone, isobutanol, mineral spirits, xylene, varnish makers and painters (VM&P) petroleum naphtha (a type of mineral spirits), solvesso-150 (an aromatic hydrocarbon solvent), high flash naphtha and toluene (see Attachment C). A complete listing of all chemicals and their quantities utilized on site are registered with the NJDEPE through the Right To Know Act (see Attachment D).

Both liquid and solid hazardous waste are generated at the Reichhold site. Liquid hazardous waste is generated during the filtering operations and during cleaning operations when residual material left in hoses, pumps and other material handling equipment is removed. A mixture of flammable and non-flammable alkyd resin wastes (F003 and F005 designation) was previously stored in a subsurface tank but is currently stored in 55-gallon drums. There are one primary hazardous waste drum storage pad and three satellite drum storage areas. Solid hazardous waste is generated from the filter press when solids and semisolids are removed from the resins solution. The filter cake, classified as C386-phthalic anhydride, is also drummed in 55-gallon containers and stored in the drum storage pad area. The material stored on these pads is disposed of prior to 90-day storage by the Oldover Company of Arvonia, Virginia (see Attachment E). Additional hazardous waste consisting of a mixture of waste diethylene glycol dimethyl ether and water is stored in an aboveground storage tank (AGST) and disposed of at the Reichhold Chemical facility located on Doremus Avenue in Newark, New Jersey prior to 90-day storage.

Reichhold received a permit to discharge into the Passaic Valley Sewerage Commission's (PVSC) 600 Wilson Avenue Newark treatment plant by the NJDEP on January 15, 1982. This permit (#20403700) expired on January 15, 1987. The permit limitations included no effluent to be discharged above a pH of 9 or below a pH of 5, prohibition of any discharge which could create a fire or explosive hazard, and no discharge of greater than 100 mg/l of emulsified mineral oil or grease (see Attachment F).

There are three main lines discharging to one outfall located on Cornelia Street that enter the PVSC. These include a discharge from the three-story office building consisting of domestic sewage, a second discharge from the one-story process building consisting of non-contact cooling water and a third discharge from the storage, pilot plant and photosensitizing processing buildings. The latter consisted of process water from the esterification of alkyd resins and photosensitive wastes consisting of neutralized inorganic acids, isopropyl alcohol and diethylene glycol dimethyl ether, but this discharge has been discontinued. Instead, the process water is sent to the Reichhold facility on Doremus Avenue for proper treatment. All on-site drains and cooling water from an on-site cooling tower are also discharged into the PVSC. The average flow in 1982 was estimated at 28,850 gallons/day. All surface water runoff entering on-site storm drains also discharges to the PVSC, according to Reichhold Environmental Engineer Mike Baxi, through a line which runs parallel to the permitted discharge.

The permitted discharge to the PVSC by Reichhold was originally investigated in November 1981, following the death of a sewer worker who was overcome by toxic fumes while working in the sewer downstream of the Cellomer discharge and other industrial discharges. Other industries examined during this investigation included Sherwin Williams, Benjamin Moore and SCA/Earthline. No direct correlation between the fatality and the discharges at these facilities was identified (see Attachments G and H).

Cellomer was sent a notification in June 1984 by the NJDEP concerning failure on the part of the company to submit a Resource Conservation Recovery Act (RCRA) Part A application (see Attachment I). The Part A application was submitted by Cellomer in August 1984, earning the facility a Treatment, Storage and Disposal (TSD) designation (see Attachment J). The TSD designation was based solely on a 4,000-gallon aboveground steel tank which was temporarily used to store hazardous waste during the manufacturing process. Cellomer claimed that the tank was in fact a portable container and the materials were removed prior to the 90-day interim provided for under RCRA TSD regulations. The container was eventually dismantled in June 1989 and the facility was delisted from TSD to "generator only" status (see Attachments K and L).

On July 7, 1992 approximately 400 gallons of a partially reacted saturated polyester resin was released onto the roof of the production building. All resin which reached the ground was

place due to inaccessibility. Post excavation soil sampling for the three removed tanks has been initiated under a DICAR and the results are pending (see BUST permit registration section).

PART III: PERMITS

A. NJPDES

Number	Discharge Activity	Date Issued	Expiration Date	Formation or Body of Water Discharged To
N/A				

B. New Jersey Air Pollution Control Certificates

Plant ID No.: 05431
No. of Certificates: 41
Equipment Permitted: Numerous equipment is permitted at the Reichhold plant including exhaust fans, the alkyd resin tank farm, a dust collector, a vacuum pump, a boiler stack, an oil heater and various tanks and reactors used in the production area (see Attachment O).

C. BUST Registration

Registration No.: 0226253
No. of Tanks: 6

Tank No.	Capacity (gallons)	Contents of Tank	Integrity
OP23	500	leaded gasoline	removed, corrosion noted
OP24	500	leaded gasoline	removed, sound
OP25	500	medium diesel fuel	removed, sound
OP26	500	VMP naphtha	abandoned in place
OP27	500	mineral spirits	abandoned in place
OOE1	3,000	home heating oil #2	abandoned in place

D. Other Permits

Cellomer was issued a permit (No. 20403700) by the Passaic Valley Sewerage Commission (PVSC) to discharge process water containing trace quantities of solvents into the municipal sewer system on January 15, 1982. Reichhold currently only uses this method under special circumstances and instead transports the water to the

Reichhold facility on Doremus Avenue for treatment. Sanitary and non-contact cooling waters are currently discharged into the PVSC on a regular basis.

PART IV: GROUNDWATER ROUTE

A. HYDROGEOLOGY

Describe geologic formations and aquifer(s) of concern. Include interconnections, confining layers, discontinuities, composition and permeability.

The Reichhold site is located within the Piedmont Physiographic Province within the State of New Jersey. The principal aquifer underlying the Newark area is the Brunswick Formation, which is approximately 6,000 feet thick and is composed of shale and sandstone with local occurrences of consolidated beds of sand and pebbles. The Brunswick Formation is overlain by and hydraulically connected to Pleistocene age glacial deposits. The depth of these deposits varies and is largely controlled by the underlying Brunswick Formation bedrock topography. A buried valley exists under the Newark area which is filled with stratified drift and interbedded lenses of till. In the southern portion of Newark, the main valley is filled with up to 200 feet of lacustrine and sandy clay, and is overlain by 50 to 100 feet of other stratified and unstratified glacial drift material. In the northern portion of Newark, the valley contains several deposits of sand and gravel interbedded with clay and till. The sand and gravel ranges in thickness from 1 to 19 feet. The depth to bedrock in the vicinity of the site is approximately 100 feet. Confined and semiconfined groundwater exists in lowland areas of Newark, but heavy pumping has resulted in the dewatering of portions of the confined aquifer. The confined condition results from the mantling of the Brunswick Formation with its variable fracturing and weathering patterns by clay beds along the Passaic River.

The water table in the Newark area is greatly affected by local pumping and seasonal recharge. This can be seen in the vicinity of the site, since fluctuations have occurred from the normal 95 to 135 feet depth to groundwater to depths of 30 feet. A monitoring well, installed on site as part of the UST closure process, encountered groundwater at a depth of 9 feet. Saltwater intrusion due to heavy pumpage has made the groundwater unsuitable for drinking or irrigation purposes and groundwater within a 4-mile radius of the site is utilized strictly for industrial and commercial applications due to this salinity and the presence of pollutants resulting from the urbanized/industrialized nature of the area.

The least permeable continuous intervening stratum between the ground surface and the aquifer of concern is the Pleistocene glacial deposits. These deposits have a permeability of approximately 10^{-5} to 10^{-7} cm/sec.

Depth to aquifer of concern: 95 to 135 feet
Thickness of aquifer: 6,000 feet
Direction of groundwater flow: The direction of groundwater flow is influenced by local pumping and tends to move in either a southwest or northeast direction, parallel to the strike of the bedrock.
Karst (Y/N): N
Wellhead Protection Area (Y/N): N **Distance:** N/A

B. MONITORING WELL INFORMATION

Well No.	Screen Depth	Formation	Location
MW-1	20 feet	Glacial deposits	Southwest corner of manufacturing building

Identify the upgradient well(s): N/A

Briefly describe contaminants identified in the monitoring wells. Include Well No., sampling date, sampling agency or company, contaminant levels and cleanup standards.

The monitoring well has been sampled as part of the NJDEPE DICAR study for the UST closure, but the results are pending.

C. POTABLE WELL INFORMATION

Distance to nearest potable well: > 4 miles

Identify all public supply wells within 4 miles of the site:

Water Company	Distance from site (miles)	Depth (feet)	Formation

There are no public potable supply wells within a 4-mile radius of the Reichhold site.

Discuss private potable well use within 4 miles of the site. Include depth, formation and distance, if available.

There are no private potable supply wells within a 4-mile radius of the Reichhold site.

Distance from site (miles)	Population utilizing groundwater
0 - 1/4	0
1/4 - 1/2	0
1/2 - 1	0
1 - 2	0
2 - 3	0
3 - 4	0

Discuss any evidence of contaminated drinking water or wells closed due to contamination.

There are no known wells closed due to contamination originating from the Reichhold site.

Identify industrial/irrigational wells within the vicinity of the site. Include depth, formation, distance and direction, if available.

Industrial Wells	Distance from site (miles)	Depth (feet)	Formation
Ronson Metals	0.6, 0.9	100, 150	Brunswick
Karlshamns USA, Inc.	1.8, 2.0	500, 1000	Brunswick

D. POTENTIAL

Discuss the potential for groundwater contamination, including any other information concerning the groundwater contamination route.

The potential for groundwater contamination exists at the Reichhold site due to the fact that USTs were present at the site and soil contamination has been documented at the site. One monitoring well installed as part of the UST closure requirements has been sampled, however, the results are pending.

PART V: SURFACE WATER ROUTE

A. SURFACE WATER

Does a migration pathway to surface water exist (Y/N): N
Flood plain: 100-500 year **Slope:** <3%

Does contaminated groundwater discharge to surface water (Y/N): Unknown

Identify known or potentially contaminated surface water bodies. Follow the pathway of the surface water and indicate all adjoining bodies of water along a route of 15 stream miles.

Surface Water Body	Distance from site	Flow (cfs)	Usage(s)
Passaic River	1,000 feet	>10,000	Secondary Contact Recreation
Newark Bay	3.25 miles	>10,000	Secondary Contact Recreation

Surface Water Body	Distance from site	Flow (cfs)	Usage(s)
Arthur Kill	8.25 miles	>10,000	Secondary Contact Recreation
Kill Van Kull	8.25 miles	>10,000	Secondary Contact Recreation

Identify drinking water intakes within 15 miles downstream (or upstream in tidal areas) of the site. For each intake identify the distance from the point of surface water entry, the name of the supplier and population served.

There are no drinking water intakes within 15 downstream miles of the site. RTC Properties, Inc. has a surface water intake for industrial purposes 1.0 mile downstream.

Briefly discuss surface water or sediment sampling conducted in relation to the site. Discuss any visual observations of contamination if analytical data is not available (include date of observation). Include surface water body, sampling date, sampling agency or company, contaminant.

No sampling of surface water or sediments has occurred.

Discuss the potential for surface water contamination, include any additional information concerning the surface water route.

The potential for surface water contamination is minimal since the storm sewers are connected to the PVSC treatment plant and the nearest surface water body is 1,000 feet from the site.

B. SENSITIVE ENVIRONMENTS

Identify all sensitive environments, including wetlands, along the 15 stream-mile pathway from the site:

Environment Type	Surface Water Body	Flow (cfs)
Wetlands-Estuarine Intertidal Flats and Estuarine Subtidal Open Water	Passaic River	>10,000

PART VI: AIR ROUTE

Discuss observed or potential air release.

The nature of the Reichhold operations could potentially lead to a release of toxic gases into the atmosphere. All equipment

permitted with the NJDEPE, Division of Environmental Quality is inspected on a regular basis to determine if Reichhold is in compliance with NJDEPE regulations.

Populations that reside within 4 miles of the site.

Distance (miles)	Population
0 - 1/4	0
1/4 - 1/2	0
1/2 - 1	1,800
1 - 2	25,250
2 - 3	18,200
3 - 4	40,400

Identify sensitive environments and wetland acreage within 1/2 mile of the site.

Approximately 8 acres of palustrine emergent and open water wetlands exist 2,500 feet to the north of the site, in close proximity to the Passaic River.

PART VII: SOIL EXPOSURE

Describe soil type. Include soil series, makeup of the soil and permeability of the soil.

Surficial soils consist of Sassafras loamy sand which average approximately 14 inches in thickness. Sassafras soils consist of yellowish-brown to dark brown, sandy to clayey loam underlying a grayish-brown surface layer. Beneath this a loose sand or gravelly sand substratum exists. The permeability of the soil is approximately 10^{-5} to 10^{-7} cm/sec.

Briefly discuss contaminants identified in the soil. Include sampling date, sampling agency or company, sample locations, depth and contaminant level.

Soil samples collected under the BUST DICAR study are awaiting laboratory analytical results.

Soil sampling for volatile organic compounds (VOCs), base/neutral (B/N) compounds, acid extractable (AE) compounds, metals, pesticides and polychlorinated biphenyls (PCBs) was conducted by the NJDEPE, BFO-SA on May 21, 1993. The samples designated as S-1, S-2, S-3, S-4 and S-5 were collected from various locations along the perimeter of the site property at depths ranging from 0.5 feet to 5 feet. All sample results for VOCs, B/Ns, AEs and pesticides were below the applicable NJDEPE Soil Cleanup Criteria. Contamination with PCBs, arsenic, lead and zinc has been documented at the site.

If no soil sampling has been conducted, discuss areas of potentially contaminated soil, areas that are visually contaminated or results from soil gas surveys.

Soil sampling has documented contamination with PCBs, arsenic, lead and zinc above the applicable NJDEPE Soil Cleanup Criteria.

Number of people that occupy residences or attend school or day care on or within 200 feet of the site: 0
Number of workers on or within 200 feet of the site: 65

Does a subsurface gas threat exist? (Y/N): N
If so, discuss the threat (homes or occupied buildings).

PART VIII: DIRECT CONTACT

Describe accessibility of the site (fencing, site security, evidence of unauthorized entry).

There is a security guard on site at all times and the site is completely fenced, thus reducing the potential for unauthorized entry to a minimum. The potential existence of off-site soil contamination, as determined during the PSA, could pose a direct contact threat since the soil in question is freely accessible to the public.

Number of on-site employees: 40 hourly, 15 salary

PART IX: FIRE AND EXPLOSION

Discuss all incidents on site which have involved a fire or explosion. Indicate the date of the incident and the materials involved.

A two alarm fire occurred at the Reichhold Chemicals site on January 24, 1983. The fire started in the plant's boiler room and ignited several resin filled 55-gallon drums 25 feet from the building, causing them to explode. Two one alarm fires occurred in the loading dock area on June 7, 1984 and July 13, 1986. A fourth small fire occurred at the Reichhold on December 26, 1991.

Discuss site conditions which indicate a potential exists for fire or explosion (reactivity, incompatibility, ignitability, storage practices, container condition).

The potential for additional fires exists since many of the materials used in the manufacturing process are highly flammable (ie: solvents).

PART X: ADDITIONAL CONSIDERATIONS

Discuss evidence of wildlife or vegetation that has been or could be potentially impacted by on-site operations. Include areas exhibiting stressed vegetation or damage to wildlife.

It is unlikely that any wildlife or vegetation could be impacted by on-site operations due to the urban/industrialized nature of the area in which Reichhold is situated.

Determine if a contaminant on site displays bioaccumulative properties. Name all bioaccumulative substances that may impact the food chain.

No bioaccumulative compounds have been identified on site.

Discuss observed or potential damage to off-site property. Consider migration routes from the site to an off-site property via soil, air or runoff. Do not count groundwater contamination to an off-site well as damage to off-site property.

Off-site property could potentially be impacted by a spill which migrates off the property or through the release of airborne contaminants resulting from a malfunction in plant operations. The identification of potentially contaminated soil adjacent to the Reichhold property also poses a serious concern.

PART XI: PREVIOUS OR ONGOING REMEDIAL ACTIONS

Discuss for each media all previous and ongoing remedial activities at the site. Include why initiated, type of action, date and present status.

The BUST closure of six USTs located on site has already been discussed in previous sections.

PART XII: ENFORCEMENT ACTIONS

1. **Type of enforcement activity:** Complaint, Compliance Order and Notice of Opportunity for Hearing
   Issuing agent: USEPA, Region II
   Date: 2/24/82
   Description of violation: Failure to request a RCRA permit for Treatment, Storage and Disposal of hazardous waste (see Attachment Q).

   Followup activity: A RCRA Part A permit application was filed in 9/84.

2. **Type of enforcement activity:** Consent Agreement and Final Compliance Order
   Issuing agent: USEPA, Region II

Date: 10/13/82
Description of violation: This document was issued to Cellomer to ensure that a RCRA Part A permit was filed by the facility (see Attachment R).

Followup activity: A RCRA Part A permit application was filed in 9/84.

3. **Type of enforcement activity:** Administrative Order and Notice of Civil Administrative Penalty Assessment
Issuing agent: NJDEPE, Division of Hazardous Waste Management, Hazardous Waste Enforcement (DHWM, HWE)
Date: 2/27/90
Description of violation: Failure to provide the quantity of hazardous waste shipped off site, failure to develop a written waste analysis plan, failure to inspect container storage areas on a daily basis, failure to store hazardous materials at least 50 feet from the facility property line and numerous other procedural violations (see Attachments S and T).

Followup activity: A request for an Administrative Hearing was submitted to the NJDEPE by Reichhold to address these violations.

4. **Type of enforcement activity:** Amended Notice of Civil Administrative Penalty Assessment
Issuing agent: NJDEPE, DHWM, HWE
Date: 4/28/91
Description of violation: A fine was levied against Reichhold for the violations mentioned in the 2/90 Administrative Order (see Attachment U).

Followup activity: Unknown

PART XIII: SAMPLING DATA

a.	**Sampling date:**	May 21, 1993
b.	**Sampled by:**	NJDEPE, BFO-SA Robbinsville, New Jersey
c.	**Samples:**	Five soil samples
d.	**Laboratory:**	NYTEST Environmental, Inc. 60 Seaview Boulevard Port Washington, New York **Certification No.** 73469
e.	**Parameters:**	Volatile organic compounds (VOCs), base/neutral (B/N) compounds, acid extractable (AE) compounds, metals, pesticides cyanide and polychlorinated biphenyls (PCBs)

f. **Sample description:** The samples designated as S-1, S-2, S-3, S-4 and S-5 were collected from various locations along the perimeter of the site property at depths ranging from 0.5 feet to 5 feet.

g. **Contaminants detected:**

PARAMETER	SAMPLE ID S-1	S-2	S-3	S-4	S-5	NJDEPE Soil Cleanup Criteria
ethylbenzene	61	43	ND	ND	ND	1,000
xylene	390	460	ND	ND	ND	1,000
naphthalene	2.0	0.46	ND	ND	ND	4,200
2-methylnaphthalene	1.4	0.069	ND	ND	ND	*
fluoranthene	0.081	ND	ND	0.31	ND	10,000
chrysene	0.14	ND	ND	0.38	ND	40
di-n-octylphthalate	0.11	ND	ND	0.29	ND	10,000
benzo(b)fluoranthene	0.17	ND	ND	0.40	ND	*
benzo(k)fluoranthene	0.15	ND	ND	0.25	ND	4
bis(2-ethylhexyl)phthalate	ND	0.53	1.0	0.66	0.054	210
pyrene	ND	ND	ND	0.32	ND	10,000
phenanthrene	ND	ND	ND	0.24	ND	*
benzo(a)anthracene	ND	ND	ND	0.12	ND	4
aroclor-1254	ND	0.45	2.0	9.2	0.48	2
antimony	19	14.3	13.8	16.1	13.5	10,000
arsenic	4.0	2.9	6.3	26.5	1.1	2
barium	926	63.2	87.3	224	37	47,000
beryllium	0.64	0.27	0.66	0.62	0.26	1
cadmium	1.2	1.2	1.1	1.3	1.1	100
chromium	52.5	26	48.4	56.6	9.7	*
copper	69.4	46.9	122	172	13.8	600
lead	2,040	37.6	241	436	18.1	600
mercury	0.79	0.26	0.41	1.2	0.11	270
nickel	26	21.8	32.5	17.5	9.3	2,400
selenium	1.2	1.2	1.2	1.3	1.1	3,100
silver	1.6	1.5	1.9	1.9	1.5	4,100
thallium	1.2	1.2	1.2	1.3	1.1	2
vanadium	31.4	31.2	51.4	45.6	12.7	7,100
zinc	2,320	1,010	1,570	3,290	81.3	1,500
cyanide	0.5	0.39	0.63	0.54	0.39	21,000

All sample results and NJDEPE Soil Cleanup Criteria are in parts per million (PPM).

ND = Not Detected

h. **QA/QC:** All QA/QC results can be found in attachment Z.

i. **File location:** Attachment Z
NJDEPE, BFO-SA
Robbinsville, New Jersey

PART XIV: CONCLUSIONS AND RECOMMENDATIONS

Soil sampling conducted by the NJDEPE, Bureau of Field Operations, Site Assessment Section has documented soil contamination at the site with PCBs, arsenic, lead and zinc above the applicable NJDEPE Soil Cleanup Criteria. This case will be referred to the NJDEPE, Bureau of Field Operations, Metro Field Office for remedial oversight.

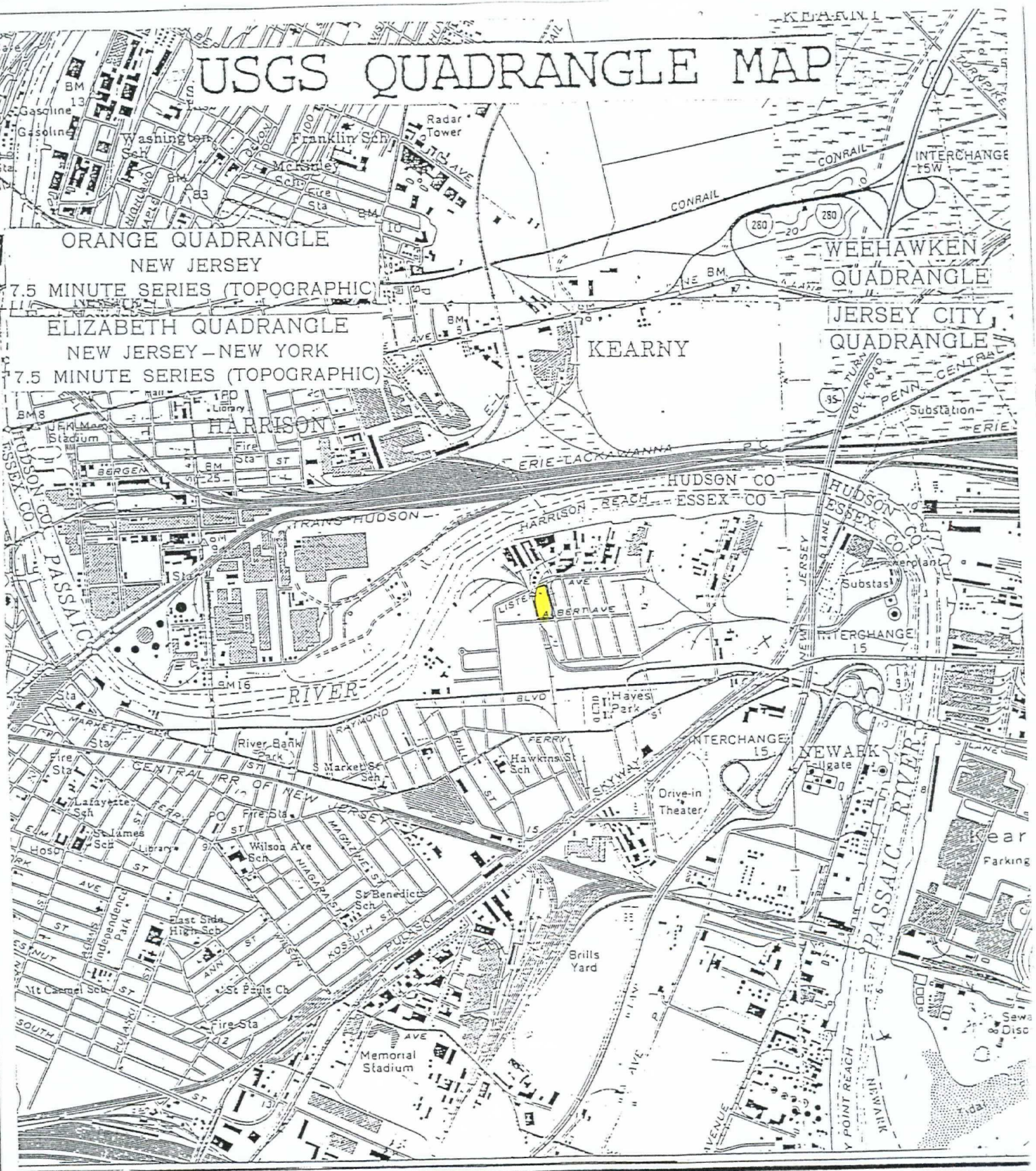
No further action is required by the NJDEPE, Bureau of Field Operations, Site Assessment Section relative to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

Submitted by: Michael DiGiore
Title: HSMS III
NJDEPE, Bureau of Field Operations - Site Assessment Section
Date: 8/26/93

PART XV: POTENTIALLY RESPONSIBLE PARTIES

NAME	OWNER/OPERATOR KNOWN DISCHARGER	CURRENT ADDRESS
Reichhold Chemicals, Inc.	Owner/Operator	46-58 Albert Avenue Newark, NJ

MAPS



SCALE 1:24000

MILE 1 ½ 0 1

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

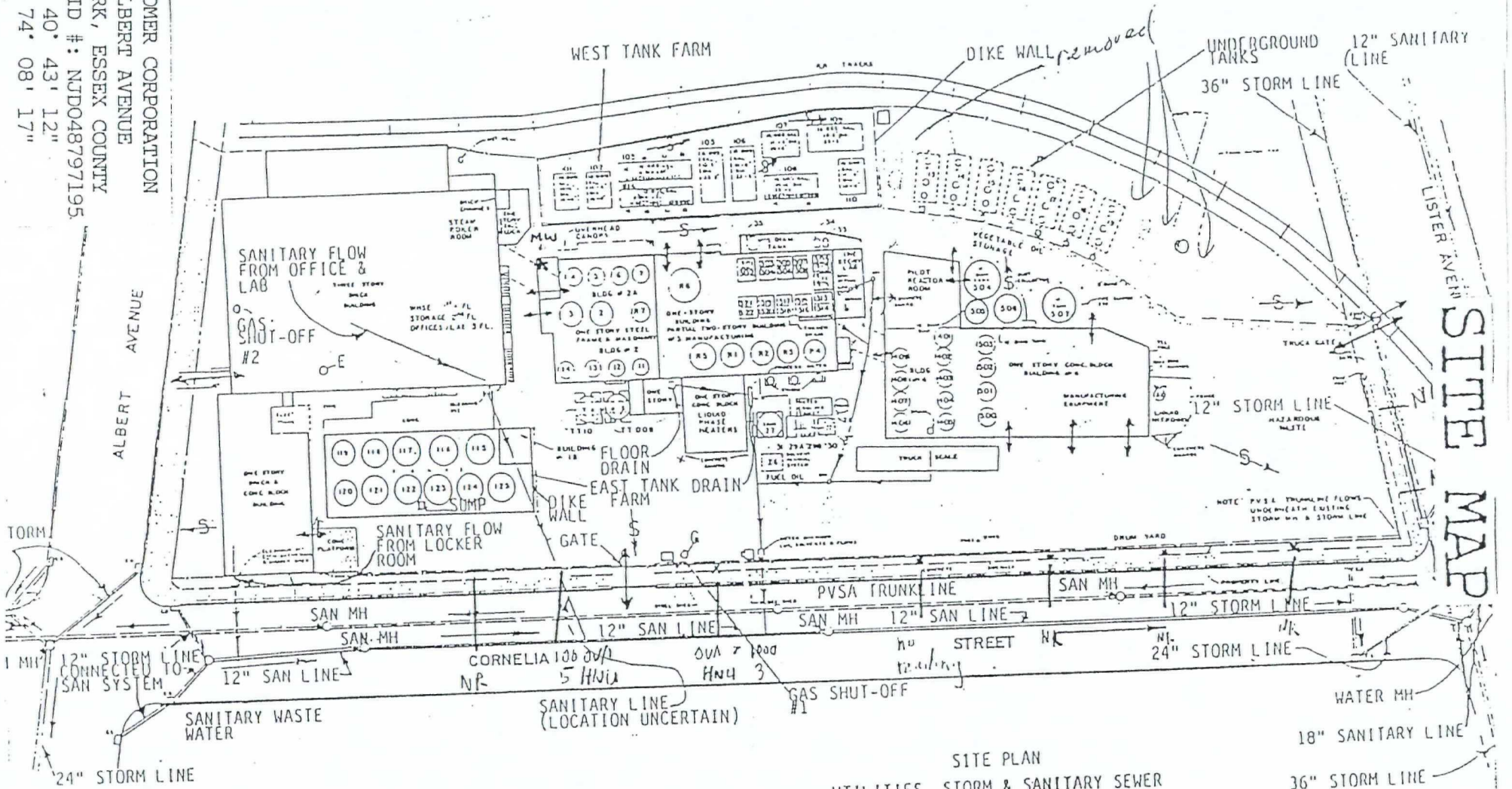
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

CELLOMER CORPORATION
46 ALBERT AVENUE
NEWARK, ESSEX COUNTY
EPA ID #: NJD048797195
LAT: 40° 43' 12"
LON: 74° 08' 17"

MAP 1

CELLOMER CORPORATION
46 ALBERT AVENUE
NEWARK, ESSEX COUNTY
EPA ID #: NJD048797195
LAT: 40° 43' 12"
LON: 74° 08' 17"



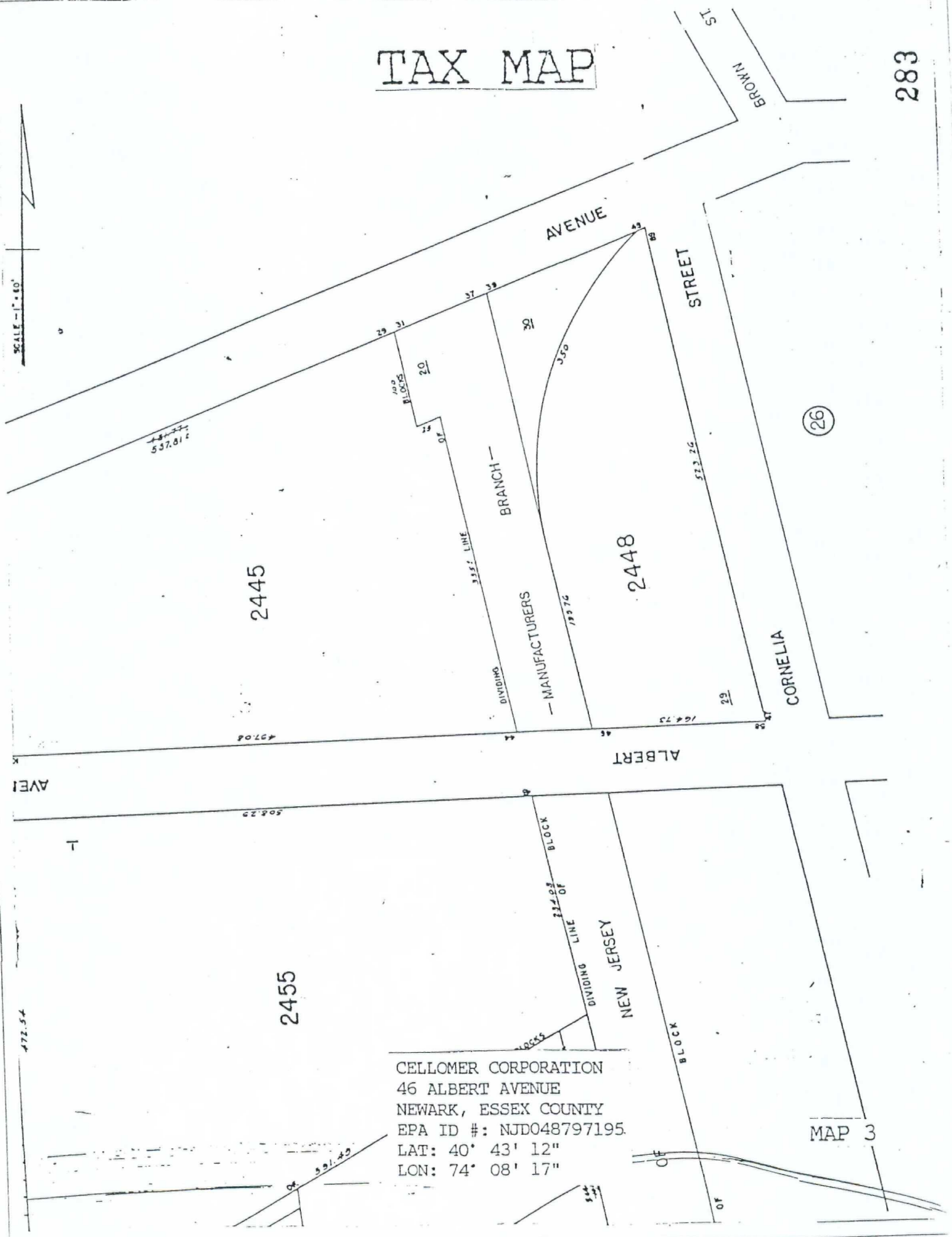
SITE PLAN
UTILITIES, STORM & SANITARY SEWER
AND PROCESS WASTE WATER LINES
REICHHOLD CHEMICALS, INC.

10/1/89
SCALE: 1" = 65 FT

Melvin Wolkstein
MELVIN WOLKSTEIN, PE
NJ LIC. NO. 16866

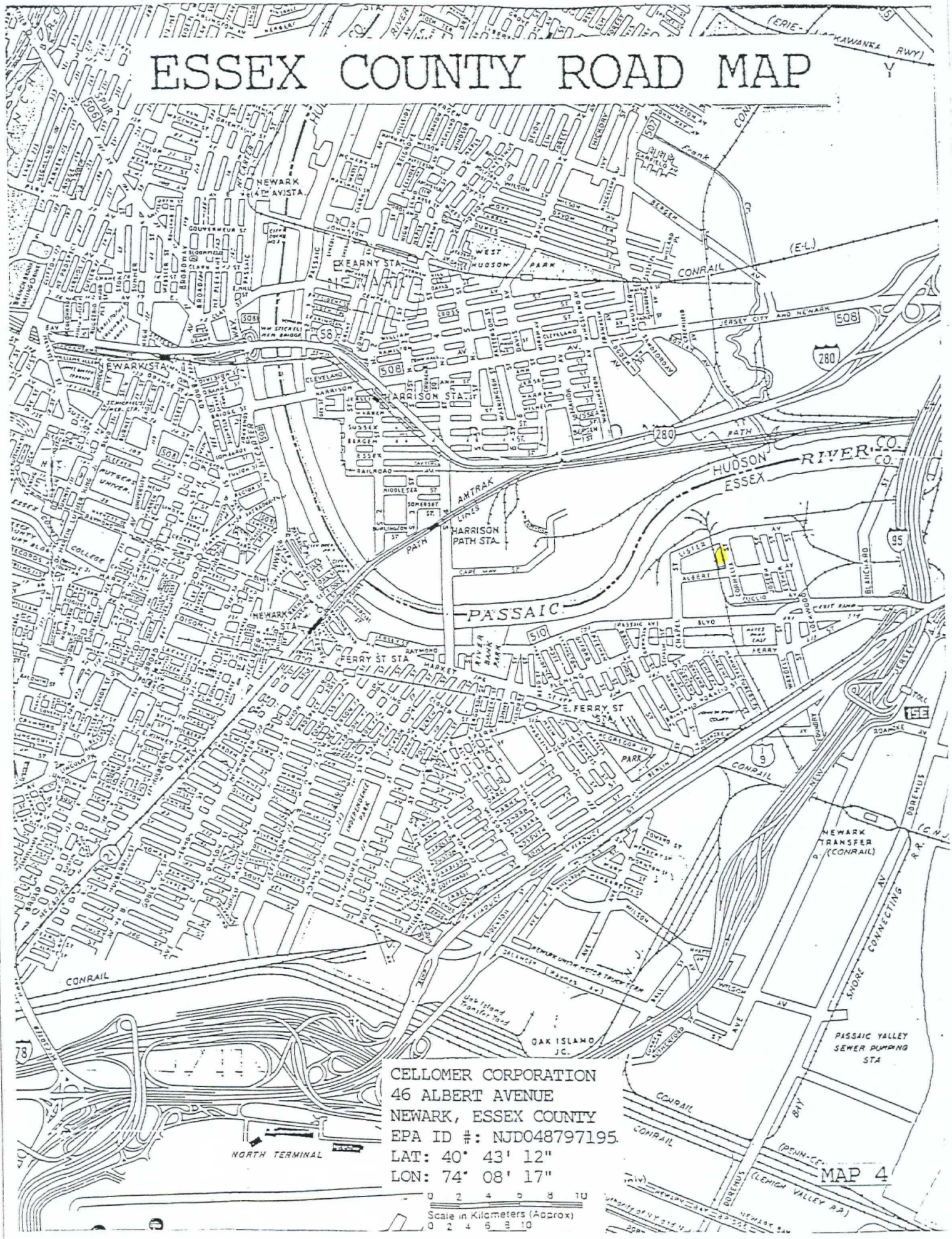
LEGEND
E ELECTRICAL DISCONNECT
G GAS DISCONNECT
H FIRE HYDRANT
SLOPE FOR DRAINAGE
ACCESS

TAX MAP



CELLOMER CORPORATION
46 ALBERT AVENUE
NEWARK, ESSEX COUNTY
EPA ID #: NJD048797195
LAT: 40° 43' 12"
LON: 74° 08' 17"

ESSEX COUNTY ROAD MAP



CELLOMER CORPORATION
46 ALBERT AVENUE
NEWARK, ESSEX COUNTY
EPA ID #: NJD048797195
LAT: 40° 43' 12"
LON: 74° 08' 17"

MAP 4

SUBJECT TO REVISION

WATER WITHDRAWAL MAP

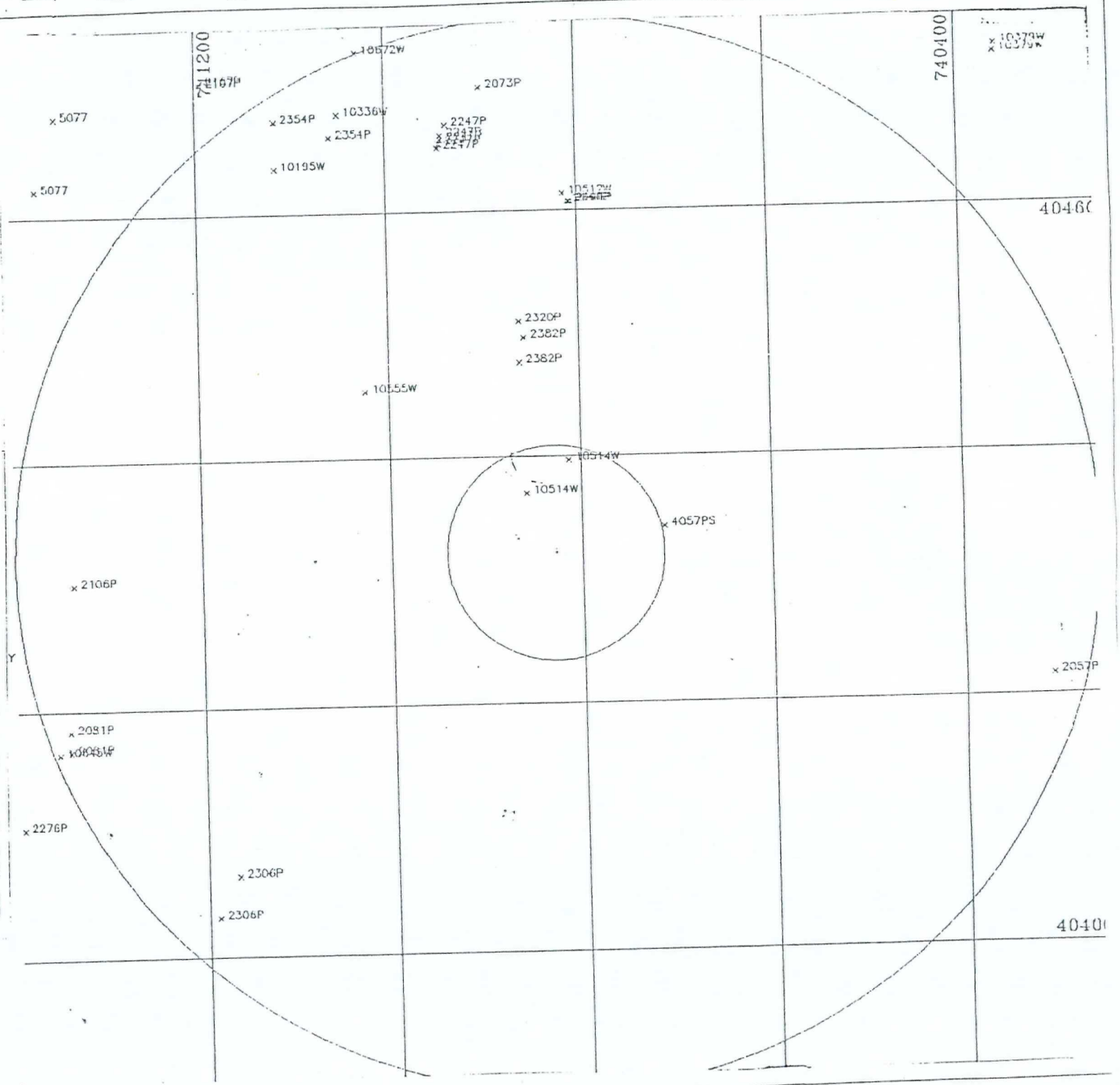
WATER WITHDRAW.
POINTS WITHIN
5.0 MILES OF:

LATITUDE 404313
LONGITUDE 740817

DRAFT

CELLOMER CORPORATION
46 ALBERT AVENUE
NEWARK, ESSEX COUNTY
EPA ID #: NJD048797195
LAT: 40° 43' 12"
LON: 74° 08' 17"

WITHDRAWAL I
INDICATED



PLOT PRODUCED BY:
NJDEPE
WATER TECHNICAL PROGRAMS
BUREAU OF WATER ALLOCATION
CN-426
TRENTON, NJ 08625

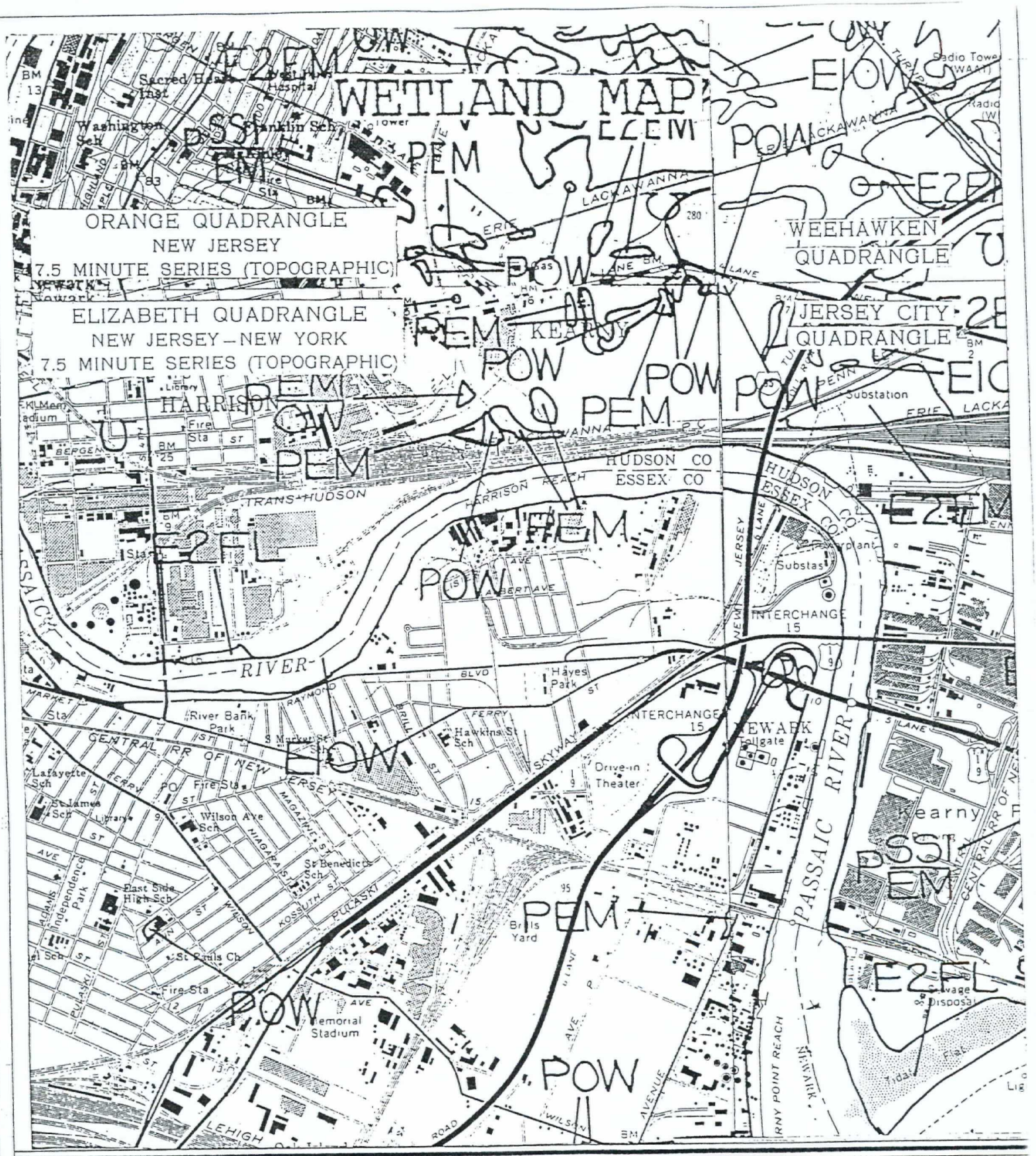
DATE: 11/18/92

MAP 5

[illegible] NAMES OF WATER DISCHARGE [illegible] OF [illegible] [illegible] - [illegible]

NAME	[illegible]	LOCAT	LAT	LON	[illegible]	DISTANCE	COUNTY	[illegible]	[illegible]	[illegible]	[illegible]	CAPACITY
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	4.4	17	18	254	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	4.0	13	03	500			[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	6.2	17	03	180	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		6.2	17	06	312	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		3.3	17	09	400	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	6.9	13	14	300	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	6.8	13	14	185			[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	5.2	13	14	215	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	4.9	39	07	574	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		5.0	13	31	600	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		5.0	13	03	510	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		4.7	03	58	230	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	4.4	13	03	351	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	4.4	13	03	400	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	4.8	13	03	400	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	4.8	39	07	200	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	4.8	39	07	630	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	4.8	39	07	250	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	4.8	13	08	330	[illegible]		330
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	3.3	17	07	570	[illegible]		175
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	3.3	17	07	760	[illegible]		140
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	3.3	17	07	550	[illegible]		155
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	3.3	17	07	330	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		5.5	13	02	426	[illegible]		160
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		5.5	13	02	400	[illegible]		130
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		4.0	13	14	300	[illegible]		20
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	4.0	13	14	250	[illegible]		75
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	4.0	13	14	200	[illegible]		200
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	3.9	13	14	400	[illegible]		500
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	4.1	13	14	400	[illegible]		100
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	5.6	39	19	675	[illegible]		160
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	5.6	39	19	635	[illegible]		500
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	39	19	274	[illegible]		100
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		4.2	39	19	270	[illegible]		100
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	17	02	501	[illegible]		250
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	b	[illegible]	17	[illegible]	[illegible]	[illegible]		50
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	17	[illegible]	[illegible]	[illegible]		15
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4.4	17	[illegible]	410	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	4.4	18	14	260	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	1.2	17	02	584	[illegible]		500
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	1.0	17	03	810	[illegible]		100
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	1.0	17	03		[illegible]		1500
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	6.1	13	17	500	[illegible]		600
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	5.9	13	17	506	[illegible]		500
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F							

[illegible] OF OBSERVATIONS: 6[illegible]



SCALE 1:24000

MILE 1 ½ 0 1

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

CELLOMER CORPORATION
46 ALBERT AVENUE
NEWARK, ESSEX COUNTY
EPA ID #: NJD048797195
LAT: 40° 43' 12"
LON: 74° 08' 17"

MAP 6

ATTACHMENT A

RECEIVED

JAN 1 5 1993

Reichhold Chemicals, Inc.
46 Albert Avenue
Newark, NJ 07105
Essex County

The Newark, Albert Avenue facility is one of nine facilities across the country in Reichhold Chemicals' Coating Polymers and Resins (CPR) Division. Reichhold's other operating divisions serve the core businesses of emulsion polymers, unsaturated polyesters and formulated adhesives.

In the 1930's, the plant started operations as VITI-VAR and was later sold to Textron, which made it an operating division. In 1966, the plant was acquired by the Cellomer Corporation. Cellomer was merged into Polychrome Chemicals Corporation by its parent, Polychrome Corporation in 1983. Polychrome Corporation was acquired by DIC, Inc. in 1979. After DIC, Inc. acquired Reichhold Chemicals, Inc. in 1987, DIC reorganized in such a way in 1989 that Reichhold owned the Albert Ave plant.

The facility manufactures oil-modified alkyd and polyester resins which are used in automobile and house paints and a wide variety of other industrial coatings products. The facility on Albert Avenue has six chemical reaction vessels, three direct-fired and three heated with Dowtherm liquid. The chemical reactions that take place are based on classical alkyd chemistry. A complete list of chemicals used at the site is contained in the attached Community Right To Know Survey for 1991.

ATTACHMENT A-1

ATTACHMENT B

ATTACHMENT B

PLANT PROFILE FOR REICHHOLD CHEMICALS, INC.
formerly CELLOMER CORP.
46 ALBERT AVEUNE
NEWARK, NJ 07105

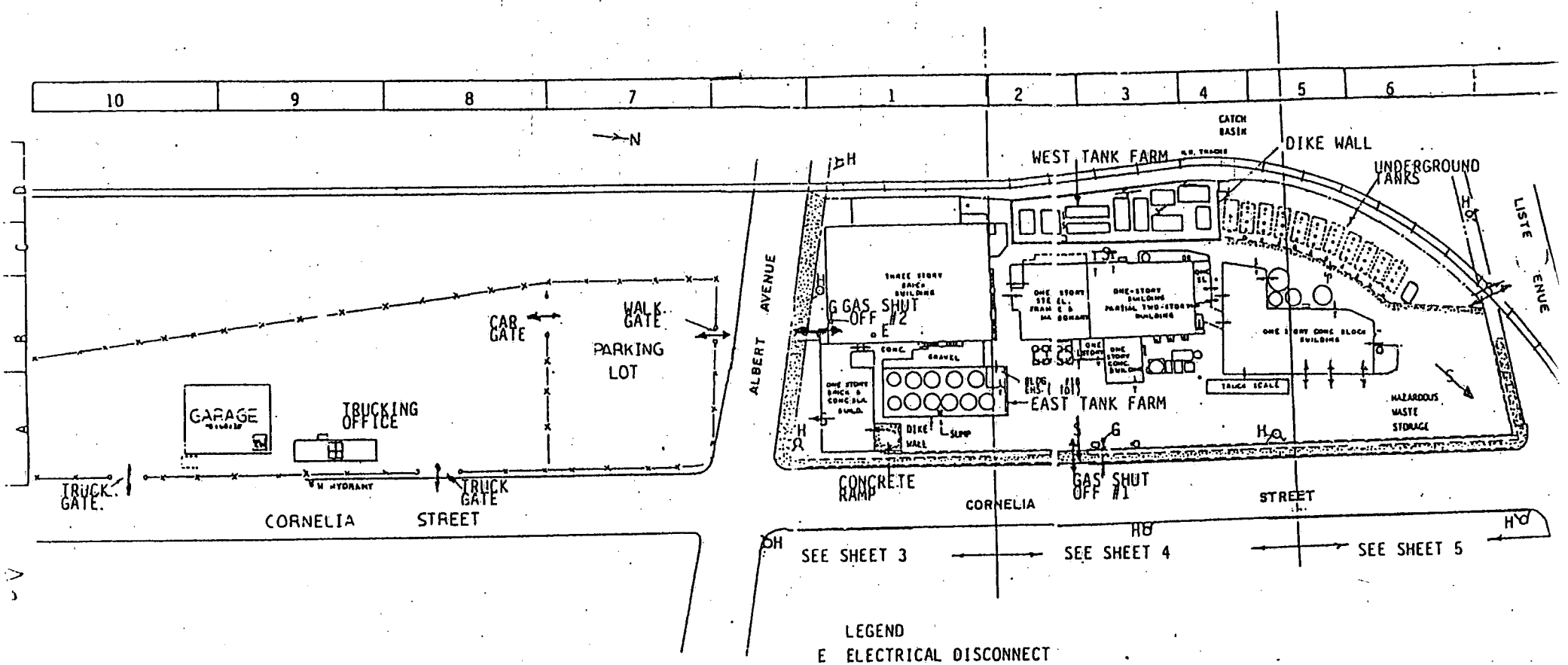
The plant located at Albert Avenue, is one of two Reichhold Chemicals, Inc. plants in Newark, NJ. It was formerly known as the Cellomer Corp. a division of Polychrome Chemicals, Inc. The parent company is DIC Americas, Inc. (Dainippon Ink and Chemicals).

The plant manufactures resins and polymers for the paint, coating and graphic arts industries. It operates seven reactors, three shifts a day, five days per week with 28 union workers and 17 salary employees. The plant site occupies 1.7 acres for manufacturing and 1.2 acres for trucking fleet. Trucking empolyees 15 persons. The Northeast Sales Office consisting of ten salespersons are located in the main building.

The plant was built in the early thirties by Vita-Var Paint Co. and sold to the present owner in 1966. The plant is well known in the industry for its high quality and excellent response to customers' needs. It operates its own trucking fleet for the Northeastern market, usually giving customers next day service.

Reichhold is a member of the Chemical Manufacturing Association, (CMA) and supports its Community Awareness and Emergency Response (CAER) program. It support these programs in the spirit of the SARA Title III regulations.

ATTACHMENT B-1



LEGEND

- E ELECTRICAL DISCONNECT
- G GAS DISCONNECT
- H FIRE HYDRANT
- SLOPE FOR DRAINAGE
- ACCESS
- S SAFETY SHOWER
- EYE WASH
- FIRST AID

KEY SITE PLAN
REICHHOLD CHEMICALS, INC.
CELLOMER DIVISION
46 ALBERT AVENUE
NEWARK, NEW JERSEY

SCALE: 1"= 111 FT

Melvin W. Wolkstein

MELVIN WOLKSTEIN, PE
NJ LIC. NO. 16866

SHEET 1 OF 7

ATTACHMENT B-2

SHEET 1 OF 7

ATTACHMENT C

HAZARDOUS WASTE INVESTIGATION HW/EF 07-76

Inspector: Alphonse Iannuzzi AI Date: 2/18/82 and 2/23/82

Location: Cellomer Corporation

St: 46 Albert Avenue Property owner: Cellomer Corporation
46 Albert Ave.
Newark

Town: Newark

County: Essex

Lot: 29 Block: 2448

Origin of Complaint: Tony McMahon

Complaint: Check on possible discharge of substantial quantities of organic wastes to PVSC

Findings:

The information in this report was obtained by investigating Cellomer on two separate days. William Dodds, Vice President and Production Manager for alkyd resins and Walter Taylor, worker, were contacted at Cellomer on 2/18/82. Louis Kaplan, Vice President and Production Manager, and Art Straubling Cellomer consultant, were contacted at Cellomer on 2/23/82. Mr. Kaplan and Mr. Straubling supplied most of the information pertaining to Cellomer's sewage discharge. Mr. Dodds supplied most of the information pertaining to Cellomer's processes. Cellomer is a wholly owned subsidiary of Polychrome located in Yonkers, NY. They have operated at this site for 15 years.

Products/processes

Cellomer's main manufacturing includes the production of flammable and non-flammable alkyd resins (approx. 99%). Some chemical intermediates for the photographic industry are also produced (i.e., sensitizing coatings). Cellomer also operates a pilot plant for the manufacturing of experimental alkyd resins.

According to Mr. Dodds, most alkyd resins are dibasic acids, polyols, and vegetable oils. Mr. Kaplan stated that the solvents used in alkyd resin production include mineral spirits, xylene, VM & P (type of mineral spirit), solvesso-150 (aromatic hydrocarbon produced by Exxon), high flash naptha, and toluene. Alkyd resins are sold for use in making paint.

The photosensitizing materials are made for Polychrome, Yonkers, NY.

Wastes Produced

Wastes produced that are disposed off site include:

1. Mixture of flammable and non-flammable alkyd resin wastes stored in a subsurface tank and in drums. The liquid is disposed at All County Environmental, Edgewater, NJ.

2. A diethylene glycol dimethyl ether (diglym) waste mixed with water and stored in a surface tank. This material is disposed at SCA-Earthline, Newark.

ATTACHMENT C-1

and 2/23/82

ers, etc.

outfall on Cornelia Street that flow into the
ners (PVSC), 600 Wilson Ave., Newark treatment plant.
uilding #1 (3 story office building) consisting of
and 3 (1 story process building), and 3) building
d photosensitizing processing).

ified mineral oil or grease.

e intent of this investigation are
lids, etc.).

Straubling, Cellomer's discharge to the PVSC

ist start sampling their outfall
30/82, install a pH recorder on
acceptable to PVSC that will
e upon receiving the permit (this
t have a starting date, therefore,
is received). A one quart sample
each day for the PVSC. This
t removed by PVSC. Samples must
and Total suspended solids (TSS)

rocess to make alkyd resins

y neutralized inorganic acides, including some
m

ng (waste was analyzed five times),
ation about their PVSC discharge.
heir discharge (2/19/81, 3/31/81,

ng water from cooling tower

o discharge from the alkyd plant and pilot plant out-
captured in this device is stored in a tank for re-
raubling state that no solvent is discharged to
from the photosensitive process are neutralized
cidic wastes and wastes with traces of acid.

ed on 1/14/82. Cellomer does not
t grab samples are taken from the
hrs. each day and placed into pint
n, NJ, picks up samples on every
mples are placed into the laboratory
ey are discarded at the end of the

s discharge to PVSC has been the same for 15 years.
. Straubling, the only organic chemical waste discharged
m is a flammable material. Mr. Straubling stated
could get into the sewer would be if the separator
function properly.

ments

Straubling's contentions, Mr. Dodds stated that the
production would include some alkyd resin and organic
etc.). He stated that an ester is the combination of
tated that the esterfication water is diluted prior
r.

omer's requirements for their present
ce before their permit was issued
s are 2/19/81, pH 2.66; and 2/2/82,
d and three had pH tested for (copies
low pH is probably due to not
could not locate the analysis
of this to DEP.

flow to PVSC as being 28,850 gallons/day. He did
er purchased from the City of Newark for the one
sidered evaporation, and material removed by waste

ampler as stated in its PVSC permit.
C wants Cellomer to install a 24
s to install one. He also indicated
int of their permit.

week and occasionally six days. Therefore, their flow
ording to shifts.

person who obtained the daily sample
ysis. This information should be
e dates and time for sampling is
ed that this additional information

nts

discharge into the PVSC on 1/15/82. This permit,
Copy of permit is attached to this report.

osed to install a flow meter on
to install a flow meter prior to
months.

include:

or below a pH of 5 to 9.

ohibiting any discharge that creates a fire or
t not limited to such materials as gasoline,

ATTACHMENT C-2

ATTACHMENT C-

A one quart sample is not being set aside for PVSC. Only a pint sample is being set aside.

Additional observations and comments

Review of lab analysis indicated high BOD on 7/31/81 (2630 ppm) and on 2/19/81 (4150 ppm). The sample taken on 2/19/81 also had a high Chemical oxygen demand (COD), 22,300 mg/l. The sample taken on 7/31/81 indicated a low TSS (20.5 mg/l). The high BOD and low TSS on this day could indicate the presence of floatable organics (i.e., solvents). The two samples taken during 1982 had relatively low BOD's. Cellomer could not determine why they had high BOD's for the 1981 samples.

Mr. Straubling stated that Cellomer is under the minimum flow for PVSC sampling requirements but PVSC wants Cellomer to sample anyway.

Mr. Kaplan stated that low pH organic acids could get into the sewer from alkyd manufacturing.

Diagram attached to this report was copied from a map Mr. Straubling had made. Mr. Straubling stated that he is not positive that the pipes connecting to the outfall are in the correct positions. This map could not be copied due to it not being completed according to Mr. Straubling. Mr. Kaplan stated that he will send a copy to DEP when it is finished.

Two pint sample bottles for grab sample taken on 2/23/82 were dated and stored in laboratory refrigerator.

During the inspection of this facility, several housekeeping and storage deficiencies were noted. These deficiencies are:

1. Unlabeled, rusted, 55 gallon metal drums containing waste resin were noted in rear of the facility near the BFI domestic garbage rolloff next to Lister Ave. (approx. 20). Several drums were uncapped, one was rusted through to its plastic liner. Drums were stored on asphalt. Some spillage had gotten off Cellomer's property onto the sidewalk.

2. Spillage of brown liquid and black sludges was noted off Cellomer's property next to fence and in between and next to railroad tracks. Mr. Taylor stated that Cellomer recieves raw material, from rail cars and the two on site on 2/18/82 contained fatty acid and solvent. One had a flammable placard on it.

3. Twenty-four unlabeled drums of waste resins on pallets over asphalt were noted near the truck unloading area. Mr. Taylor stated that this material is going to be disposed off site.

4. Spillage of a light brown colored solid near waste drums mentioned in #3 above had leaked off Cellomer's property onto sidewalk next to Cornelia Street.

5. A leaking drum next to Cornelia Street was noted.

Mr. Kaplan and Mr. Dodds both refused to allow me to obtain photographs of poor housekeeping conditions on Cellomer's property, except for two of sewage connection, on 2/18/82 (Dodds) and 2/23/82 (Kaplan). Mr. Kaplan refused to allow me to obtain samples of spillage along railroad tracks or any other part of Cellomer's facility except for a grab sample from sewer, on 2/23/82. He stated that he had to check with "higher ups", Mr. Eysmann, Cellomer President, before permission is granted. He stated that Mr. Eysmann would not be back until Monday, March 1. Cellomer had refused this inspector the right to sample and photograph during a RCRA inspection

ATTACHMENT -

in 1981 also.

Mr. Dodds stated on 2/18/82 that Cellomer will clean up spillage along railroad tracks by April and they are presently working on cleaning the drum storage in the rear of the facility.

Samples/photographs

A grab sample, #AI146A, was taken on 2/23/82 from Cellomer's sewer outfall to PVSC next to Cornelia Street. A split sample was given to Mr. Kaplan. See the field sample data sheet attached to this report.

Eight photographs of poor housekeeping and sewage discharge sampling outlet were taken. All photos were taken off site except those of the sewage discharge outlet.

Synopsis

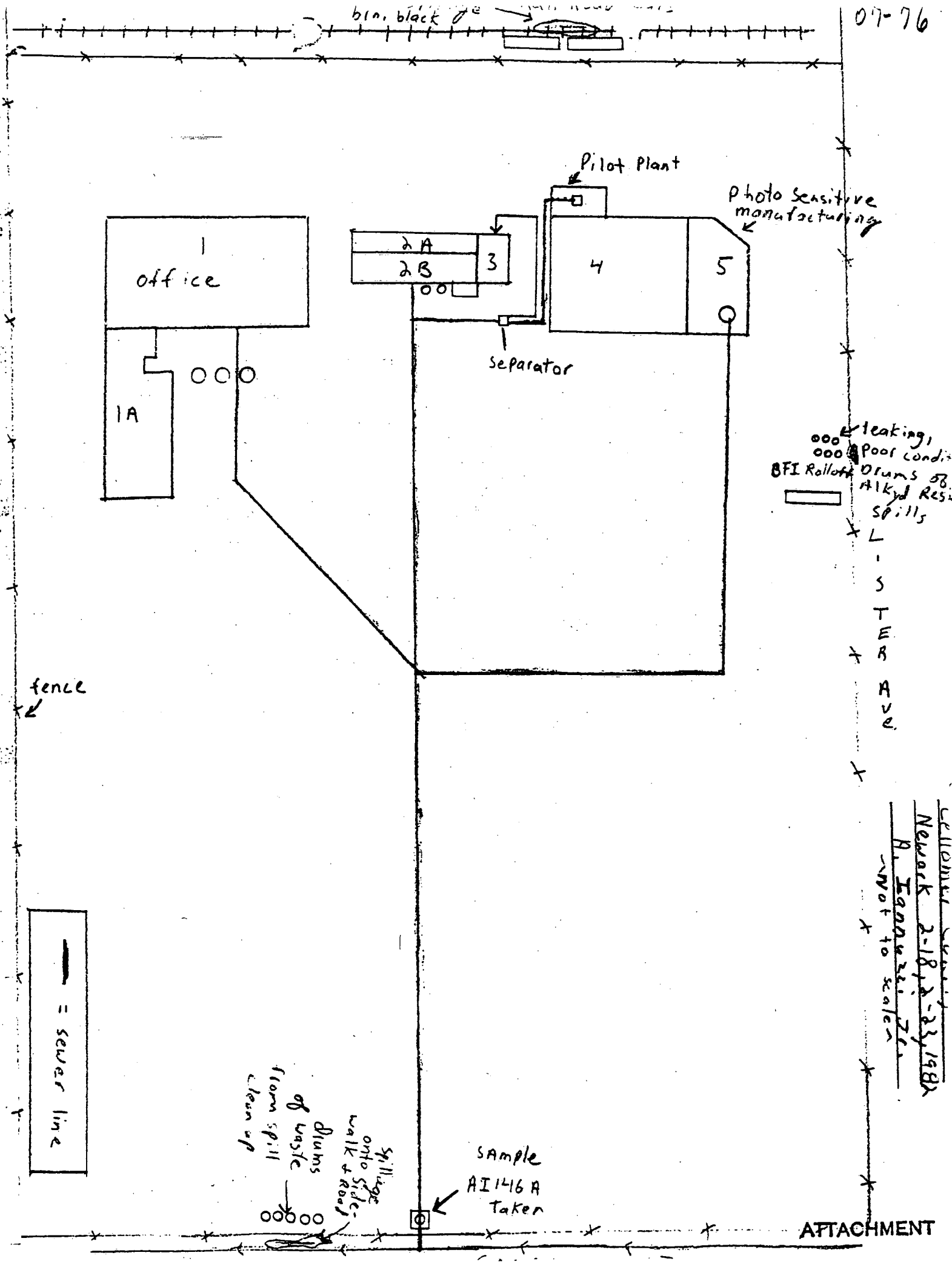
Cellomer is a manufacturer of alkyd resins and photosensitizing material. Several deficiencies were noted in monitoring of their discharge to the PVSC. These deficiencies include:

1. No 24 hour composite sampler or flow meter. These devices should be installed according to Cellomer's PVSC permit.

2. Two pH's that were below Cellomer's discharge requirement.

3. A record of the person taking the sample and the date the sample is being removed for analysis is not kept as stated in Cellomer's PVSC permit.

4. Cellomer is not putting a full quart sample aside for PVSC each day.


07-76
brn. black
Pilot Plant
Photo Sensitive manufacturing
1
office
2A
2B
3
4
5
Separator
1A
leaking, Poor condit
BFI Rolloff
Drums of Alkyd Resi
Spills
LISTER Ave.
fence
= sewer line
Spillage onto side-walk & Road
Drums of waste from spill clean up
Sample AI146A Taken
Newark 2-18, 2-23, 1982
A. Iannuzzi Jr.
Not to scale
ATTACHMENT

ATTACHMENT D

DEQ-094
10/90

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMUNITY RIGHT TO KNOW SURVEY FOR 1990

to satisfy requirements under SARA, Title III, Section 312
and New Jersey Community Right to Know

91 MAR 7 PM 4:44

NJEIS | SIC | COUNTY/MUNIC. | DUE DATE

0045700005-2821-074-
PLACE
REICHHOLD CHEMICALS, INC.
LABEL
46 ALBERT AVE.
HERE
NEWARK, NJ 07105

Indicate changes to mailing address on label

(A) FACILITY LOCATION
If the facility location or name is different than the mailing address on the label, enter location and address or name below.

Check here if you would like your survey mailed to above address ☐

IMPORTANT: A separate survey must be completed for each facility.

(B) Does this facility use, store or produce any compressed gases, or any flammable, combustible, reactive, corrosive or toxic substances?

(See Reportable Substances and Thresholds) ☒ Yes ☐ No

(C) Briefly describe the nature of the operations or business conducted by your company at this facility: COATINGS RESIN MANUFACTURING

(D) Number of employees at facility: 66

(E) *Number of facilities in New Jersey* 3

(F) *Dun and Bradstreet No.* 1101 8165 0816 2

(G) *Check the box if you were granted a R&D exemption last year or if you have attached an R&D questionnaire.* ☐

(H) CERTIFICATION OF OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE — I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Signature [signature] Date 3/08/91 Phone Number (201) 589-3375

Name (Print) MIKE GASPARIK Title PLANT MANAGER

(I) POLICE AND FIRE DEPARTMENT — Enter the respective phone numbers, names and addresses (including Zip Code) of your local police and fire departments in the spaces below.

POLICE DEPT. Phone Number (201) 733-6000
Name NEWARK CITY POLICE DEPARTMENT
Address 31 GREEN STREET
Municipality NEWARK, NJ Zip 07101

FIRE DEPT. Phone Number (201) 733-7426
Name NEWARK CITY FIRE DEPARTMENT
Address 1010 18th AVENUE.
Municipality NEWARK, NJ Zip 07106

(J) FACILITY EMERGENCY CONTACT
Name ART DILFFENBACH Title PLANT ENGINEER
Facility Phone Number (201) 589-3709 Emergency Contact Phone Number (201) 464-1509

NOTE: Make copies of this survey! The law requires that you send a copy to your COUNTY LEAD AGENCY, LOCAL EMERGENCY PLANNING COMMITTEE AND YOUR LOCAL POLICE AND FIRE DEPARTMENTS.
(County agency and local committee addresses in Instructions)

Return original to:
COMMUNITY RIGHT TO KNOW
CN405
Trenton, NJ 08625-0405

FOR INTERNAL USE ONLY STAT 4 E ☐ F ☐

ATTACHMENT D-1

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
					#0601
Substance: SODIUM HYDROXIDE CAS No. 001310-73-2 Substance No. 01706 Percent 60 State S	DOT No. 1823 Trade Secret NO	67 68	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0602
Substance: SODIUM HYDROXIDE CAS No. 001310-73-2 Substance No. 01706 Percent 60 State S	DOT No. 1823 Trade Secret NO	67 68	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0618
Substance: POTASSIUM HYDROXIDE CAS No. 001310-58-3 Substance No. 01571 Percent 60 State S	DOT No. 1813 Trade Secret NO	67 66 68	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0619
Substance: POTASSIUM HYDROXIDE CAS No. 001310-58-3 Substance No. 01571 Percent 60 State S	DOT No. 1813 Trade Secret NO	67 66 68	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0671
Substance: ACRYLAMIDE CAS No. 000079-06-1 Substance No. 00022 Percent 60 State S	DOT No. 2074 Trade Secret NO	70 67 66 68	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0712
Substance: COCONUT OIL CAS No. 002001-31-8 Substance No. Percent 60 State L	DOT No. Trade Secret NO		Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 38 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0323
Substance: 1,2,3-propane triol CAS No. 000056-81-5 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 48 Location B31 RESIN REACTORS MFG-Bldg 3	Conditions 01 04 (as per site map)
					#0694
Substance: 1,2,3-PROPANE TRIOL CAS No. 000056-81-5 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)

ATTACHMENT D-2

ILITY IDENTIFICATION AND SITE LOCATION
JEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
acility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
#0130 Substance: 1,3-Benzenedicarbolic acid CAS No. 000121-91-5 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 15 Avg.Daily 14 Days Onsite 365	Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
#0670 Substance: 1,3-Benzenedicarbolic acid CAS No. 000121-91-5 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0328 Substance: 1,4-CYCLOHEXANEDIMETHANOL CAS No. 000105-08-8 DOT No. Substance No. Percent 60 State L Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 200	Container 47 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
#0132 Substance: 1,6-Hexanediol CAS No. 000629-11-8 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
#0689 Substance: 1,6-Hexanediol CAS No. 000629-11-8 DOT No. Substance No. Percent 60 State S Trade Secret NO	67 66	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0319 Substance: 2(hydroxymethyl)2-methyl-1,3-propanediol CAS No. 000077-85-0 DOT No. Substance No. Percent 60 State S Trade Secret NO		Max.Daily 14 Avg.Daily 13 Days Onsite 365	Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
#0425 Substance: 2(hydroxymethyl)2-methyl-1,3-propanediol CAS No. 000077-85-0 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0516 Substance: 2,2 -Azobis(2-amidiopropane)dihyrochloride CAS No. 002997-92-4 DOT No. 70 68 Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 12 Avg.Daily 12 Days Onsite 80	Container 43 Conditions 01 05 Location B12 (as per site map) WHSE -Bldg 1:2nd floor

ATTACHMENT D-3

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0331
Substance: 2,2,4-trimethyl-1,3-pentanediol CAS No. 000144-19-4 DOT No. Substance No Percent 60 State S Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 30	Container 47 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0669
Substance: 2,2,4-trimethyl-1,3-pentanediol CAS No. 000144-19-4 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0129
Substance: 2,2-bis(hydroxmethyl)-1,3-propanediol CAS No. 000115-77-5 DOT No. Substance No. Percent 60 State S Trade Secret NO		Max.Daily 17 Avg.Daily 16 Days Onsite 365	Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
			#0624
Substance: 2,2-bis(hydroxmethyl)-1,3-propanediol CAS No. 000115-77-5 DOT No. Substance No. Percent 60 State S Trade Secret NO		Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 43 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0131
Substance: 2,2-Dimethyl-1,3-propanediol CAS No. 000126-30-7 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
			#0627
Substance: 2,2-Dimethyl-1,3-propanediol CAS No. 000126-30-7 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0511
Substance: 2,6-DI-tert-BUTYL-p-CRESOL CAS No. 000128-37-0 DOT No. Substance No. 00814 Percent 60 State S Trade Secret NO	67	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 43 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
			#0156
Substance: 2-BUTOXY ETHANOL CAS No. 000111-76-2 DOT No. 2369 Substance No. 00275 Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 47 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3

ATTACHMENT D-4

Reporting Period: January 1 - December 31, 19 90

ACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821 - (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0744
Substance: 2-BUTOXY ETHANOL CAS No. 000111-76-2 Substance No. 00275 Percent 60 State L	DOT No. 2369 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0745
Substance: 2-BUTOXY ETHANOL CAS No. 000111-76-2 Substance No. 00275 Percent 60 State L	DOT No. 2369 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0746
Substance: 2-BUTOXY ETHANOL CAS No. 000111-76-2 Substance No. 00275 Percent 60 State L	DOT No. 2369 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0121
Substance: 2-ETHOXYETHANOL CAS No. 000110-80-5 Substance No. 00839 Percent 60 State L	DOT No. 1171 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-bldg 3
			#0459
Substance: 2-ETHOXYETHANOL CAS No. 000110-80-5 Substance No. 00839 Percent 60 State L	DOT No. 1171 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 46 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
			#0747
Substance: 2-ETHOXYETHANOL CAS No. 000110-80-5 Substance No. 00839 Percent 60 State L	DOT No. 1171 70 68 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0748
Substance: 2-ETHOXYETHANOL CAS No. 000110-80-5 Substance No. 00839 Percent 60 State L	DOT No. 1171 70 68 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0525
Substance: 2-ETHOXYETHYLACETATE CAS No. 000111-15-9 Substance No. 00840 Percent 60 State L	DOT No. 1172 70 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 60	Container 47 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor

ATTACHMENT D-5

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: 2-Ethyl-1- anol CAS No. 000104-76-7 Substance No. Percent 60 State L	DOT No. 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0749 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: 2-ethyl-2-(hydroxymethyl)-1,3-propanediol CAS No. 000077-99-6 Substance No. Percent 60 State S	DOT No. Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 365	#0122 Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: 2-ethyl-2-(hydroxymethyl)-1,3-propanediol CAS No. 000077-99-6 Substance No. Percent 60 State S	DOT No. 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 36[illegible]	#0626 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: 2-METHOXYETHANOL CAS No. 000109-86-4 Substance No. 01211 Percent 60 State L	DOT No. 1188 70 68 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	#0640 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: 2-METHOXYETHANOL CAS No. 000109-86-4 Substance No. 01211 Percent 60 State L	DOT No. 1188 70 68 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0641 Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: 2-METHOXYETHYL ACETATE CAS No. 000110-49-6 Substance No. 01212 Percent 60 State L	DOT No. 1189 70 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 30	#0189 Container 47 Conditions 01 04 Location B13 (as per site map) OFFICE/LABORATORY Bldg1:3rd floor
Substance: 2-METHOXYETHYL ACETATE CAS No. 000110-49-6 Substance No. 01212 Percent 60 State L	DOT No. 1189 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0621 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: 2-METHOXYETHYL ACETATE CAS No. 000110-49-6 Substance No. 01212 Percent 60 State L	DOT No. 1189 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0622 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-6

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
Substance: 4-METHOXYPHENOL CAS No. 000150-76-5 Substance No. 01216 Percent 60 State S	DOT No. 2761 Trade Secret NO	67 66	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 43 Location B41 PILOT REACTORS-Bldg 4	#0360 Conditions 01 04 (as per site map)
Substance: 4-METHOXYPHENOL CAS No. 000150-76-5 Substance No. 01216 Percent 60 State S	DOT No. 2761 Trade Secret NO	70 67 66	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	#0636 Conditions 01 04 (as per site map)
Substance: ACETANILIDE CAS No. 000103-84-4 Substance No. Percent 60 State S	DOT No. Trade Secret NO	67	Max.Daily 12 Avg.Daily 12 Days Onsite 100	Container 42 Location C1 WHSE-Bldg 1:1st floor	#0519 Conditions 01 04 (as per site map)
Substance: ACETONE CAS No. 000067-64-1 Substance No. 00006 Percent 60 State L	DOT No. 1090 Trade Secret NO	70 67	Max.Daily 13 Avg.Daily 13 Days Onsite 180	Container 47 Location A51 DIAZO-SPECIALITY MFG Bldg 5,6	#0113 Conditions 01 04 (as per site map)
Substance: ACETONE CAS No. 000067-64-1 Substance No. 00006 Percent 60 State L	DOT No. 1090 Trade Secret NO	70 67	Max.Daily 10 Avg.Daily 11 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	#0509 Conditions 01 04 (as per site map)
Substance: ACETONE CAS No. 000067-64-1 Substance No. 00006 Percent 60 State L	DOT No. 1090 Trade Secret NO	70 67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	#0718 Conditions 01 04 (as per site map)
Substance: ACETONE CAS No. 000067-64-1 Substance No. 00006 Percent 60 State L	DOT No. 1090 Trade Secret NO	70 67	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 38 Location B13L LAB Bldg 1:3rd floor	#0719 Conditions 01 04 (as per site map)
Substance: ACETYLENE CAS No. 000074-86-2 Substance No. 00015 Percent 60 State G	DOT No. 1001 Trade Secret NO	70 69 67	Max.Daily 11 Avg.Daily 10 Days Onsite 200	Container 40 Location A31 DRUM YARD STORAGE EAST	#0215 Conditions 02 04 (as per site map)

ATTACHMENT D+7

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
					#0114
Substance: ACRYLAMIDE CAS No. 000079-06-1 Substance No. 00022 Percent 60 State S	DOT No. 2074 Trade Secret NO	68 67 66	Max.Daily 11 Avg.Daily 11 Days Onsite 17	Container 42 Location B41 PILOT REACTORS-Bldg 4	Conditions 01 04 (as per site map)
					#0109
Substance: ACRYLIC ACID CAS No. 000079-10-7 Substance No. 00023 Percent 60 State L	DOT No. 2218 Trade Secret NO	68 67	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 32 Location B41 PILOT REACTORS-Bldg 4	Conditions 01 04 (as per site map)
					#0634
Substance: ACRYLIC ACID CAS No. 000079-10-7 Substance No. 00023 Percent 60 State L	DOT No. 2218 Trade Secret NO	68 67 66	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0100
Substance: ADIPIC ACID CAS No. 000124-04-9 Substance No. 00026 Percent 60 State S	DOT No. 9077 Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 42 Location C11 WHSE-Bldg 1:1st floor	Conditions 01 04 (as per site map)
					#0605
Substance: ADIPIC ACID CAS No. 000124-04-9 Substance No. 00026 Percent 60 State S	DOT No. 9077 Trade Secret NO	67	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0164
Substance: AIR, COMPRESSED CAS No. Substance No. 02070 Percent 60 State G	DOT No. 1002 Trade Secret NO	69	Max.Daily 12 Avg.Daily 11 Days Onsite 365	Container 40 Location 999 plantwide	Conditions 02 04 (as per site map)
					#0449
Substance: AIR, COMPRESSED CAS No. Substance No. 02070 Percent 60 State G	DOT No. 1002 Trade Secret NO	69	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 48 Location C21 BOILER RM/AIR COMP-Bldg 1:1st floor A1	Conditions 02 04 (as per site map)
					#0783
Substance: AIR, COMPRESSED CAS No. Substance No. 02070 Percent 60 State G	DOT No. 1002 Trade Secret NO	69	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 40 Location B13L LAB Bldg 1:3rd floor	Conditions 02 04 (as per site map)

ATTACHMENT D-8

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION

A.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE

B.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: ALKALINE BOILER OR WATER TREATMENT COMPOUND CAS No. Substance No. 02087 Percent 60 State L	DOT No. 1760 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	#0239 Container 47 Conditions 01 04 Location A91 (as per site map) TRUCKING OFFICE/GARAGE/SECURITY
Substance: AMMONIUM HYDROXIDE CAS No. 001336-21-6 Substance No. 00103 Percent 60 State L	DOT No. 2672 68 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0785 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: AMMONIUM THIOSULFATE CAS No. 007783-18-8 Substance No. 00120 Percent 61 State S	DOT No. 9093 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0637 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: ANILINE CAS No. 000062-53-3 Substance No. 00135 Percent 60 State L	DOT No. 1547 70 68 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	#0577 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: AZODIISOBUTYRONITRILE CAS No. 000078-67-1 Substance No. 00179 Percent State S	DOT No. 2952 70 68 67 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 365	#0293 Container 43 Conditions 01 Location B41 (as per site map) PILOT REACTORS-Bldg 4
Substance: AZODIISOBUTYRONITRILE CAS No. 000076-67-1 Substance No. 00179 Percent State S	DOT No. 2952 70 66 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0706 Container 39 Conditions 01 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: BENZOIC ACID CAS No. 000065-85-0 Substance No. 00209 Percent 60 State S	DOT No. 9094 67 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 365	#0115 Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: BENZOIC ACID CAS No. 000065-85-0 Substance No. 00209 Percent 60 State S	DOT No. 9094 67 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	#0614 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-9

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIH 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
					#0615
Substance: BENZOIC ACID CAS No. 000065-85-0 Substance No. 00209 Percent 60 State S	DOT No. 9094 Trade Secret NO	67	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#.166
Substance: BENZYL DIMETHYLAMINE CAS No. 000103-83-3 Substance No. 00219 Percent 60 State L	DOT No. 2619 Trade Secret NO	67 66	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 47 Location B41 PILOT REACTORS-Bldg 4	Conditions 01 04 (as per site map)
					#0707
Substance: BENZYL DIMETHYLAMINE CAS No. 000103-83-3 Substance No. 00219 Percent 60 State L	DOT No. 2619 Trade Secret NO	67 66	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0439
Substance: BIPHENYL PHENYL OXIDE ETHERS CAS No. Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 48 Location B30 RESIN REACTOR BASEMENT-Bldg 3	Conditions 01 05 (as per site map)
					#0386
Substance: Bisphenol-A based epoxy resin CAS No. 025036-25-3 Substance No. Percent 60 State S	DOT No. Trade Secret NO	67	Max.Daily 13 Avg.Daily 13 Days Onsite 30	Container 42 Location C11 WHSE-Bldg 1:1st floor	Conditions 01 04 (as per site map)
					#0637
Substance: BISPHENOL-A POLYGLYCIDYL ETHER CAS No. 025085-99-8 Substance No. Percent 60 State S	DOT No. Trade Secret NO	70 67	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0766
Substance: Bodied soybean oil CAS No. 068122-64-5 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0668
Substance: BORON TRICHLORIDE CAS No. 010294-34-5 Substance No. 00245 Percent 51 State S	DOT No. 1741 Trade Secret NO	70 67 66	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Location B12L	Conditions 01 04 (as per site map)

ATTACHMENT D-1(

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: BORON TRIFLUORIDE CAS No. 007637-07-2 Substance No. 00246 Percent 61 State G	DOT No. 1008 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0649 Container 39 Conditions 02 04 Location B12L (as per site map)
Substance: BROMINE CAS No. 007726-95-6 Substance No. 00252 Percent 61 State L	DOT No. 1744 68 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0654 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: BUTANE CAS No. 000106-97-8 Substance No. 00273 Percent 61 State G	DOT No. 1011 70 69 67 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	#0589 Container 40 Conditions 02 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: BUTYL BENZYL PHTHALATE CAS No. 000085-68-7 Substance No. 02896 Percent 60 State L	DOT No. Trade Secret NO	Max.Daily 12 Avg.Daily 11 Days Onsite 20	#0520 Container 47 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: BUTYLAMINE CAS No. 000109-73-9 Substance No. 00280 Percent 60 State L	DOT No. 1125 70 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0591 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: CALCIUM CAS No. 007440-70-2 Substance No. 00309 Percent 61 State S	DOT No. 1401 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0646 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: CALCIUM HYDROXIDE CAS No. 001305-62-0 Substance No. 00322 Percent 60 State S	DOT No. 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	#0344 Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: CARBON DIOXIDE CAS No. 000124-38-9 Substance No. 00343 Percent 60 State G	DOT No. 1013 69 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	#0171 Container 40 Conditions 02 04 Location 999 (as per site map) PLANTWIDE

ATTACHMENT D-11

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 004570000005 -2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALCOTT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
Substance: CARBON DIOXIDE					#0722
CAS No. 000124-38-9	DOT No. 1013	69	Max.Daily 11	Container 40	Conditions 02 04
Substance No. 00343			Avg.Daily 11	Location B13L	(as per site map)
Percent 60 State G	Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor	
Substance: CARBON TETRACHLORIDE					#0575
CAS No. 000056-23-5	DOT No. 1846		Max.Daily 10	Container 39	Conditions 01 04
Substance No. 00347		67 66	Avg.Daily 10	Location B13L	(as per site map)
Percent 61 State L	Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor	
Substance: CASTOR OIL					#0311
CAS No. 008001-79-4	DOT No.		Max.Daily 14	Container 48	Conditions 01 04
Substance No.		67	Avg.Daily 14	Location B31	(as per site map)
Percent 60 State L	Trade Secret NO		Days Onsite 365	RESIN REACTORS MFG-Bldg 3	
Substance: CASTOR OIL					#0709
CAS No. 008001-79-4	DOT No.		Max.Daily 10	Container 38	Conditions 01 04
Substance No.		67	Avg.Daily 10	Location B13L	(as per site map)
Percent 60 State L	Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor	
Substance: CAUSTIC ALKALI LIQUIDS, n.o.s.					#0781
CAS No.	DOT No. 1719	68	Max.Daily 12	Container 46	Conditions 01 04
Substance No. 02221		67	Avg.Daily 12	Location B13L	(as per site map)
Percent 61 State L	Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor	
Substance: CHLORODIFLUOROBROMOMETHANE					#0603
CAS No. 000353-59-3	DOT No. 1974	69	Max.Daily 11	Container 40	Conditions 02 04
Substance No. 00384			Avg.Daily 11	Location B13L	(as per site map)
Percent 61 State G	Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor	
Substance: CHLOROFORM					#0579
CAS No. 000067-66-3	DOT No. 1888	68	Max.Daily 11	Container 39	Conditions 01 04
Substance No. 00388		67 66	Avg.Daily 10	Location B13L	(as per site map)
Percent 60 State L	Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor	
Substance: COAL TAR NAPHTHA					#0663
CAS No. 008030-30-6	DOT No. 2553	70	Max.Daily 9	Container 39	Conditions 01 04
Substance No. 00518		67 66	Avg.Daily 9	Location B13L	(as per site map)
Percent 60 State L	Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor	

ATTACHMENT D

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION

NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE

Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: DiethyleneglycolPolyoxypropyleneglycolTolyleneDiisocyanate P			#0769
CAS No. 059016-35-2 DOT No.		Max.Daily 10	Container 39 Conditions 01 04
Substance No.	67	Avg.Daily 9	Location B13L (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor
Substance: DIMETHYL GLUTARATE/ADIPATE/SUCCINATE			#0513
CAS No. 001119-40-0 DOT No.		Max.Daily 12	Container 47 Conditions 01 04
Substance No.	67	Avg.Daily 12	Location B12 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 100	WHSE -Bldg 1:2nd floor
Substance: DIMETHYL GLUTARATE/ADIPATE/SUCCINATE			#0701
CAS No. 001119-40-0 DOT No.	70	Max.Daily 10	Container 46 Conditions 01 04
Substance No.	67 66	Avg.Daily 10	Location B13L (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor
Substance: DIPROPYLENE GLYCOL METHYL ETHER			#0133
CAS No. 034590-94-8 DOT No.	70	Max.Daily 14	Container 48 Conditions 01 04
Substance No. 00804	67 66	Avg.Daily 13	Location B31 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 250	RESIN REACTORS MFG-Bldg 3
Substance: DIPROPYLENE GLYCOL METHYL ETHER			#0458
CAS No. 034590-94-8 DOT No.	70	Max.Daily 13	Container 47 Conditions 01 04
Substance No. 00804	67 66	Avg.Daily 12	Location B12 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 30	WHSE -Bldg 1:2nd floor
Substance: DIPROPYLENE GLYCOL METHYL ETHER			#0770
CAS No. 034590-94-8 DOT No.	70	Max.Daily 10	Container 46 Conditions 01 04
Substance No. 00804	67 66	Avg.Daily 9	Location B13L (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor
Substance: DIPROPYLENE GLYCOL METHYL ETHER			#0771
CAS No. 034590-94-8 DOT No.	70	Max.Daily 10	Container 39 Conditions 01 04
Substance No. 00804	67	Avg.Daily 10	Location B13L (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor
Substance: DRIERS, LIQUID, n.o.s.			#0149
CAS No. DOT No. 1168	70	Max.Daily 12	Container 47 Conditions 01 04
Substance No. 02375	67	Avg.Daily 12	Location B12 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	WHSE -Bldg 1:2nd floor

ATTACHMENT D-16

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 40 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s. #0631 CAS No. DOT No. 1168 70 Substance No. 02375 67 66 Percent 60 State L Trade Secret NO		Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s. #0780 CAS No. DOT No. 1168 70 Substance No. 02375 67 66 Percent 60 State L Trade Secret NO		Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: DRIERS,LIQUID n.o.s. #0512 CAS No. DOT No. 1168 70 Substance No. 02375 67 Percent 60 State L Trade Secret NO		Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
Substance: DRIERS,LIQUID, n.o.s. #0225 CAS No. 012001-85-3 DOT No. 1168 70 Substance No. 02375 67 Percent 60 State L Trade Secret NO		Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
Substance: EPICHLOROHYDRIN #0588 CAS No. 000106-89-9 DOT No. 2023 70 Substance No. 00828 67 66 Percent 60 State L Trade Secret NO		Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: EPOXY RESIN #0421 CAS No. 025085-99-8 DOT No. Substance No. 67 Percent 60 State L Trade Secret NO		Max.Daily 14 Avg.Daily 14 Days Onsite 100	Container 47 Conditions 01 04 Location A71 (as per site map) DRUM YARD STORAGE EAST
Substance: EPOXY RESIN #0676 CAS No. 025036-25-3 DOT No. Substance No. 67 66 Percent 61 State S Trade Secret NO		Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: EPOXY RESIN #0677 CAS No. 025036-25-3 DOT No. Substance No. 67 66 Percent 61 State S Trade Secret NO		Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 42 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-16

[redacted] Reporting Period: [redacted]uary [redacted] - D[redacted]ber [redacted] 1[redacted]

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0446
Substance: COATING SOLUTION CAS No. Substance No. 02259 Percent 60 State L	DOT No. 1139 70 67 Trade Secret NO	Max.Daily 14 Avg.Daily 13 Days Onsite 365	Container 47 Conditions 01 04 Location 999 (as per site map) plantwide
			#0440
Substance: COBALT compounds, n.o.s. CAS No. Substance No. 02222 Percent 60 State L	DOT No. 70 67 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
			#0313
Substance: COCONUT OIL CAS No. 003001-31-8 Substance No. Percent 60 State L	DOT No. Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 48 Conditions 01 04 Location 831 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0371
Substance: COMBUSTIBLE LIQUID, n.o.s. CAS No. 002399-48-6 Substance No. 02267 Percent 60 State L	DOT No. 1993 70 68 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 200	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
			#0217
Substance: COMBUSTIBLE LIQUID, n.o.s. CAS No. Substance No. 02267 Percent State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 17 Avg.Daily 16 Days Onsite 365	Container 50 Conditions 01 05 Location 999 (as per site map) plantwide
			#0447
Substance: COMBUSTIBLE LIQUID, n.o.s. CAS No. Substance No. 02267 Percent State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 16 Avg.Daily 16 Days Onsite 365	Container 47 Conditions 01 05 Location 999 (as per site map) plantwide
			#0499
Substance: COMBUSTIBLE LIQUID, n.o.s. CAS No. Substance No. 02267 Percent State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 17 Avg.Daily 16 Days Onsite 250	Container 36 Conditions 01 05 Location 999 (as per site map) plantwide
			#0500
Substance: COMBUSTIBLE LIQUID, n.o.s. CAS No. Substance No. 02267 Percent State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 46 Conditions 01 05 Location 999 (as per site map) plantwide

ATTACHMENT D

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Reporting Period: January 1 - December 31, 19[redacted]

ACILITY IDENTIFICATION AND SITE LOCATION
.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0501
Substance: COMBUSTIBLE LIQUID, n.o.s. CAS No. Substance No. 02267 Percent State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 39 Conditions 01 05 Location 999 (as per site map) plantwide
			#0502
Substance: COMBUSTIBLE LIQUID, n.o.s. CAS No. Substance No. 02267 Percent State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 19 Avg.Daily 17 Days Onsite 365	Container 48 Conditions 01 05 Location 999 (as per site map) plantwide
			#0355
Substance: COMBUSTIBLE LIQUID, n.o.s. CAS No. 000103-11-7 Substance No. 02267 Percent 70 State L	DOT No. 1993 70 63 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
			#0299
Substance: CORROSIVE LIQUIDS, n.o.s. CAS No. 000112-05-0 Substance No. 02282 Percent 60 State L	DOT No. 1760 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
			#0586
Substance: CUMENE CAS No. 000098-82-8 Substance No. 00542 Percent 60 State L	DOT No. 1918 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0117
Substance: CYCLOHEXANOL CAS No. 000108-93-0 Substance No. 00569 Percent 60 State L	DOT No. 1986 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
			#0690
Substance: CYCLOHEXANOL CAS No. 000108-93-0 Substance No. 00569 Percent 60 State L	DOT No. 1986 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0510
Substance: CYCLOHEXANONE CAS No. 000108-94-1 Substance No. 00570 Percent 60 State L	DOT No. 1915 70 67 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor

ATTACHMENT D-14

Reporting Period: January 1 - December 31, 1990

LITY IDENTIFICATION AND SITE LOCATION
EIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
cility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: dehydrated castor oil fatty acids CAS No. 061789-45-5 DOT No. Substance No. Percent 60 State L Trade Secret NO	67	Max.Daily 14 Avg.Daily 13 Days Onsite 365	#0316 Container 47 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
Substance: DEHYDRATED CASTOR FATTY ACID CAS No. 061789-45-5 DOT No. Substance No. Percent 60 State L Trade Secret NO	67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0711 Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: DIATOMACEOUS EARTH CAS No. 068855-54-9 DOT No. Substance No. 00616 Percent 60 State S Trade Secret NO	67	Max.Daily 13 Avg.Daily 13 Days Onsite 365	#0391 Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: DIBUTYLAMINE CAS No. 000111-92-2 DOT No. 2248 Substance No. 00632 Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0596 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: DIETHYL ETHER CAS No. 000060-29-7 DOT No. 1155 Substance No. 00701 Percent 60 State L Trade Secret NO	70 68 67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0576 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: diethylene glycol monobutyl ether CAS No. 000112-34-5 DOT No. Substance No. Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0151 Container 47 Conditions 01 04 Location E12 (as per site map) WHSE -Bldg 1:2nd floor
Substance: diethylene glycol monobutyl ether CAS No. 000112-34-5 DOT No. Substance No. Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 13 Avg.Daily 13 Days Onsite 365	#0466 Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
Substance: diethylene glycol monobutyl ether CAS No. 000112-34-5 DOT No. Substance No. Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0751 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-15

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s.			#0145
CAS No. DOT No. 1168	70	Max.Daily 12	Container 47 Conditions 01 04
Substance No. 02375	67	Avg.Daily 12	Location B12 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	WHSE -Bldg 1:2nd floor
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s.			#0147
CAS No. DOT No. 1168	70	Max.Daily 12	Container 47 Conditions 01 04
Substance No. 02375	67	Avg.Daily 12	Location B31 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	RESIN REACTORS MFG-Bldg 3
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s.			#0219
CAS No. DOT No. 1168	70	Max.Daily 12	Container 47 Conditions 01 04
Substance No. 02375	67	Avg.Daily 12	Location B12 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	WHSE -Bldg 1:2nd floor
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s.			#0221
CAS No. DOT No. 1168	70	Max.Daily 12	Container 47 Conditions 01 04
Substance No. 02375	67	Avg.Daily 12	Location B12 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	WHSE -Bldg 1:2nd floor
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s.			#0223
CAS No. DOT No. 1168	70	Max.Daily 13	Container 47 Conditions 01 04
Substance No. 02375	67	Avg.Daily 13	Location B31 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	RESIN REACTORS MFG-Bldg 3
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s.			#0569
CAS No. DOT No. 1168	70	Max.Daily 13	Container 47 Conditions 01 04
Substance No. 02375	67	Avg.Daily 13	Location B12 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	WHSE -Bldg 1:2nd floor
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s.			#0570
CAS No. DOT No. 1168	70	Max.Daily 12	Container 47 Conditions 01 04
Substance No. 02375	67	Avg.Daily 12	Location B12 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	WHSE -Bldg 1:2nd floor
Substance: DRIERS, PAINT OR VARNISH, LIQUID, n.o.s.			#0630
CAS No. DOT No. 1168	70	Max.Daily 9	Container 39 Conditions 01 04
Substance No. 02375	67 66	Avg.Daily 9	Location B13L (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor

ATTACHMENT D-1

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
#0678 Substance: EPOXY RESIN CAS No. 025036-25-3 Substance No. Percent 61 State S	DOT No. 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0528 Substance: ETHOXYLATED BISPHENOL A CAS No. 032492-61-8 Substance No. Percent 60 State L	DOT No. 70 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 200	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
#0338 Substance: Ethyl 3-Ethoxy Propionate CAS No. 000763-69-9 Substance No. Percent 60 State L	DOT No. 70 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 200	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
#0697 Substance: Ethyl 3-Ethoxy Propionate CAS No. 000763-69-9 Substance No. Percent 60 State L	DOT No. 70 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0698 Substance: Ethyl 3-Ethoxy Propionate CAS No. 000763-69-9 Substance No. Percent 60 State L	DOT No. 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0176 Substance: ETHYL ACETATE CAS No. 000141-78-6 Substance No. 00841 Percent 60 State L	DOT No. 1173 70 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 30	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
#0464 Substance: ETHYL ACETATE CAS No. 000141-78-6 Substance No. 00841 Percent 60 State L	DOT No. 1173 70 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG Bldg 3
#0763 Substance: ETHYL ACETATE CAS No. 000141-78-6 Substance No. 00841 Percent 60 State L	DOT No. 1173 70 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-19

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2021-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: ETHYL ACRYLATE CAS No. 000140-88-5 Substance No. 00843 Percent 60 State L	DOT No. 1917 70 66 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	#0141 Container 47 Conditions 01 04 Location 941 (as per site map) PILOT REACTORS-Bldg 4
Substance: ETHYL ACRYLATE CAS No. 000140-88-5 Substance No. 00843 Percent 60 State L	DOT No. 1917 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0629 Container 39 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
Substance: ETHYL ALCOHOL CAS No. 000064-17-5 Substance No. 00844 Percent 60 State L	DOT No. 1170 70 68 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0578 Container 39 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
Substance: ETHYL BENZENE CAS No. 000100-41-4 Substance No. 00851 Percent 60 State L	DOT No. 1175 70 68 67 Trade Secret NO	Max.Daily 15 Avg.Daily 13 Days Onsite 365	#0178 Container 50 Conditions 01 04 Location 999 (as per site map) plantwide
Substance: ETHYL BENZENE CAS No. 000100-41-4 Substance No. 00851 Percent 60 State L	DOT No. 1175 70 68 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	#0754 Container 46 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
Substance: ETHYL BENZENE CAS No. 000100-41-4 Substance No. 00851 Percent 60 State L	DOT No. 1175 70 68 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	#0755 Container 30 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
Substance: ETHYL BENZENE CAS No. 000100-41-4 Substance No. 00851 Percent 60 State L	DOT No. 1175 70 68 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	#0756 Container 39 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
Substance: ETHYLENE GLYCOL CAS No. 000107-21-1 Substance No. 00878 Percent 60 State L	DOT No. 1142 67 66 Trade Secret NO	Max.Daily 16 Avg.Daily 15 Days Onsite 365	#0128 Container 48 Conditions 01 04 Location A51 (as per site map) DIAZO-SPECIALITY MFG Bldg

ATTACHMENT D-2

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATIO, AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: ETHYLENE GLYCOL CAS No. 000107-21-1 Substance No. 00870 Percent 60 State L	DOT No. 1142 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0598 Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: ethylene glycol monobutyl ether acetate CAS No. 000112-07-2 Substance No. Percent 60 State L	DOT No. 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 100	#0175 Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
Substance: ethylene glycol monobutyl ether acetate CAS No. 000112-07-2 Substance No. Percent 60 State L	DOT No. 70 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 365	#0462 Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
Substance: ethylene glycol monobutyl ether acetate CAS No. 000112-07-2 Substance No. Percent 60 State L	DOT No. 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0750 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: ETHYLENE OXIDE CAS No. 000075-21-8 Substance No. 00882 Percent 61 State L	DOT No. 1040 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0583 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: FATTY ACIDS CAS No. 061790-12-3 Substance No. Percent 60 State L	DOT No. 67 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 200	#0296 Container 48 Conditions 01 04 Location B51 (as per site map) STORAGE TANKS Bldg 5 AREA
Substance: FATTY ACIDS CAS No. 061790-12-3 Substance No. Percent 60 State L	DOT No. 67 Trade Secret NO	Max.Daily 16 Avg.Daily 15 Days Onsite 150	#0490 Container 50 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
Substance: FATTY ACIDS CAS No. 016790-12-3 Substance No. Percent 60 State L	DOT No. 67 Trade Secret NO	Max.Daily 12 Avg.Daily 11 Days Onsite 200	#0524 Container 47 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor

ATTACHMENT D

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: FATTY ACIDS CAS No. 061790-12-3 Substance No. Percent 60 State L	DOT No. 67 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 365	#0713 Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: FERROUS SULFATE CAS No. 007720-78-7 Substance No. 00931 Percent 61 State S	DOT No. 9125 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0652 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: FLAMMABLE LIQUIDS, n.o.s. CAS No. Substance No. 02426 Percent 60 State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 365	#0278 Container 48 Conditions 01 04 Location A41 (as per site map) STORAGE TANKS-Bldg 4
Substance: FLAMMABLE LIQUIDS, n.o.s. CAS No. Substance No. 02426 Percent 60 State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 17 Avg.Daily 15 Days Onsite 365	#0279 Container 47 Conditions 01 04 Location 999 (as per site map) plantwide
Substance: FLAMMABLE LIQUIDS, n.o.s. CAS No. Substance No. 02426 Percent 60 State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 250	#0503 Container 50 Conditions 01 04 Location A31 (as per site map) DRUM YARD STORAGE EAST
Substance: FLAMMABLE LIQUIDS, n.o.s. CAS No. Substance No. 02426 Percent 60 State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 200	#0504 Container 36 Conditions 01 04 Location 999 (as per site map) plantwide
Substance: FLAMMABLE LIQUIDS, n.o.s. CAS No. Substance No. 02426 Percent 60 State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 90	#0571 Container 37 Conditions 01 04 Location A31 (as per site map) DRUM YARD STORAGE EAST
Substance: FLAMMABLE LIQUIDS, n.o.s. CAS No. 002778-41-6 Substance No. 02426 Percent 60 State L	DOT No. 1993 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	#0632 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-2

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CH. ALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: FLAMMABLE LIQUIDS, n.o.s.			#0633
CAS No. 002778-42-9 DOT No. 1993		Max.Daily 11	Container 46 Conditions 01 04
Substance No. 02426	67 66	Avg.Daily 10	Location B13L (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor
Substance: FLAMMABLE LIQUIDS, n.o.s.			#0776
CAS No. DOT No. 1993	70	Max.Daily 11	Container 46 Conditions 01 04
Substance No. 02426	67 66	Avg.Daily 11	Location B13L (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor
Substance: FLAMMABLE LIQUIDS, n.o.s.			#0777
CAS No. DOT No. 1993	70	Max.Daily 11	Container 38 Conditions 01 04
Substance No. 02426	67 66	Avg.Daily 11	Location B13L (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor
Substance: FORMALDEHYDE			#0573
CAS No. 000050-00-0 DOT No. 1198	70	Max.Daily 10	Container 38 Conditions 01 04
Substance No. 00946	67 66	Avg.Daily 10	Location B13L (as per site map)
Percent 61 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor
Substance: FORMALDEHYDE			#0574
CAS No. 000050-00-0 DOT No. 1198	70	Max.Daily 10	Container 46 Conditions 01 04
Substance No. 00946	67 66	Avg.Daily 10	Location B13L (as per site map)
Percent 61 State L Trade Secret NO		Days Onsite 365	LAB Bldg 1:3rd floor
Substance: FUEL OIL			#0103
CAS No. 068476-30-2 DOT No. 1993	70	Max.Daily 14	Container 50 Conditions 01 04
Substance No. 02444	67	Avg.Daily 12	Location C31 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 30	TANK FARM WEST-SOLVENTS
Substance: FUEL OIL			#0104
CAS No. 068476-30-2 DOT No. 1993	70	Max.Daily 14	Container 49 Conditions 01 04
Substance No. 02444	67	Avg.Daily 14	Location A31 (as per site map)
Percent 60 State L Trade Secret NO		Days Onsite 365	DRUM YARD STORAGE EAST
Substance: FUMARIC ACID			#0181
CAS No. 000110-17-8 DOT No. 9126		Max.Daily 13	Container 42 Conditions 01 04
Substance No. 00949	67	Avg.Daily 13	Location B12 (as per site map)
Percent 60 State S Trade Secret NO		Days Onsite 365	WHSE -Bldg 1:2nd floor

ATTACHMENT D-2

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
					#0604
Substance: FUMARIC ACID CAS No. 000110-17-8 Substance No. 00947 Percent 60 State S	DOT No. 9126 Trade Secret NO	67	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0159
Substance: GLYCOL ETHERS, n.o.s. CAS No. Substance No. 02265 Percent 60 State L	DOT No. Trade Secret NO	70 67 66	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 47 Location B12 WHSE -Bldg 1:2nd floor	Conditions 01 04 (as per site map)
					#0259
Substance: HAZARDOUS WASTE, n.o.s CAS No. Substance No. 02461 Percent 60 State L	DOT No. 9189 Trade Secret NO	70 67 66	Max.Daily 14 Avg.Daily 13 Days Onsite 365	Container 37 Location A61 WASTE STORAGE AREA	Conditions 01 04 (as per site map)
					#0473
Substance: HAZARDOUS WASTE, n.o.s. CAS No. Substance No. 02461 Percent 60 State L	DOT No. 9189 Trade Secret NO	70 67 66	Max.Daily 14 Avg.Daily 13 Days Onsite 365	Container 47 Location B61 HAZARDOUS STORAGE AREA	Conditions 01 04 (as per site map)
					#0778
Substance: HAZARDOUS WASTE, n.o.s. CAS No. Substance No. 02461 Percent 60 State L	DOT No. 9189 Trade Secret NO	70 67 66	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0779
Substance: HAZARDOUS WASTE, n.o.s. CAS No. Substance No. 02461 Percent 60 State L	DOT No. 9189 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 42 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0645
Substance: HELIUM CAS No. 007440-59-7 Substance No. 00972 Percent 60 State G	DOT No. 1046 Trade Secret NO	69	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 40 Location B13L LAB Bldg 1:3rd floor	Conditions 02 04 (as per site map)
					#0609
Substance: HEXAMETHYLENE DIISOCYANATE CAS No. 000822-06-0 Substance No. 00995 Percent 60 State L	DOT No. 2281 Trade Secret NO	67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)

ATTACHMENT D-2

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
					#0650
Substance: HYDROGEN CHLORIDE CAS No. 007647-01-0 Substance No. 01012 Percent 61 State G	DOT No. 1050 Trade Secret NO	69 67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0582
Substance: HYDROGEN CYANIDE CAS No. 000074-90-8 Substance No. 01013 Percent 61 State L	DOT No. 1051 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0653
Substance: HYDROGEN PEROXIDE CAS No. 007722-81-1 Substance No. 01015 Percent 61 State L	DOT No. 2984 Trade Secret NO	68 67	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 38 Location B12L	Conditions 01 04 (as per site map)
					#0476
Substance: Hydrogenated rosin CAS No. 065997-06-0 Substance No. Percent 60 State S	DOT No. Trade Secret NO		Max.Daily 13 Avg.Daily 12 Days Onsite 300	Container 47 Location C11 WHSE-Bldg 1:1st floor	Conditions 01 04 (as per site map)
					#0146
Substance: HYDROQUINONE CAS No. 000123-31-9 Substance No. 01019 Percent 60 State S	DOT No. 2662 Trade Secret NO	67 66	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 43 Location B41 PILOT REACTORS-Bldg 4	Conditions 01 04 (as per site map)
					#0616
Substance: HYDROQUINONE CAS No. 000123-31-9 Substance No. 01019 Percent 60 State S	DOT No. 2662 Trade Secret NO	67 66	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0438
Substance: Hydroxy polyester acrylate CAS No. 110489-05-9 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 47 Location B41 PILOT REACTORS-Bldg 4	Conditions 01 04 (as per site map)
					#0481
Substance: ISOBUTYL ACETATE CAS No. 000110-19-0 Substance No. 01041 Percent 60 State L	DOT No. 1213 Trade Secret NO	70 67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Location B31 RESIN REACTORS MFG-Bldg 3	Conditions 01 04 (as per site map)

ATTACHMENT D-

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
#0702 Substance: ISOCYANATES, n.o.s., boiling point not less than 300 C CAS No. 028182-81-2 Substance No. 02495 Percent 60 State L	DOT No. 2297 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0527 Substance: ISOPHORONE CAS No. 000078-59-1 Substance No. 01066 Percent 60 State L	DOT No. 1224 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 100	Container 47 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
#0764 Substance: ISOPHORONE CAS No. 000078-59-1 Substance No. 01066 Percent 60 State L	DOT No. 1224 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0765 Substance: ISOPHORONE CAS No. 000078-59-1 Substance No. 01066 Percent 60 State L	DOT No. 1224 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0184 Substance: ISOPROPYL ALCOHOL CAS No. 000067-63-0 Substance No. 01076 Percent 60 State L	DOT No. 1219 70 67 66 Trade Secret NO	Max.Daily 1 Avg.Daily 13 Days Onsite 200	Container 47 Conditions 01 04 Location A51 (as per site map) DIAZO-SPECIALITY MFG Bldg 5,6
#0563 Substance: ISOPROPYL ALCOHOL CAS No. 000067-63-0 Substance No. 01076 Percent 60 State L	DOT No. 1219 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 11 Days Onsite 200	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
#0564 Substance: ISOPROPYL ALCOHOL CAS No. 000067-63-0 Substance No. 01076 Percent 60 State L	DOT No. 1219 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 200	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
#0731 Substance: ISOPROPYL ALCOHOL CAS No. 000067-63-0 Substance No. 01076 Percent 60 State L	DOT No. 1219 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-2

Reporting Period: January 1 - December 31, 1990

ACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
					#0732
Substance: ISOPROPYL ALCOHOL CAS No. 000067-63-0 Substance No. 01076 Percent 60 State L	DOT No. 1219 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0733
Substance: ISOPROPYL ALCOHOL CAS No. 000067-63-0 Substance No. 01076 Percent 60 State L	DOT No. 1219 Trade Secret NO	70 67 66	Max.Daily [illegible] Avg.Daily [illegible] Days Onsite [illegible]	Container 38 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0436
Substance: ISOPROPYL TITANATE (IV) CAS No. 000546-68-9 Substance No. Percent 60 State L	DOT No. Trade Secret NO	70 67	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 46 Location B31 RESIN REACTORS MFG-Bldg 3	Conditions 01 04 (as per site map)
					#052
Substance: LAURIC ACID CAS No. 000143-07-7 Substance No. Percent 60 State S	DOT No. Trade Secret NO		Max.Daily 11 Avg.Daily 11 Days Onsite 100	Container 42 Location C11 WHSE-Bldg 1:1st floor	Conditions 01 04 (as per site map)
					#044
Substance: LEAD COMPOUNDS, SOLUBLE, n.o.s. CAS No. Substance No. 02515 Percent 60 State L	DOT No. 2291 Trade Secret NO	70 67 66	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 47 Location B31 RESIN REACTORS MFG-Bldg 3	Conditions 01 04 (as per site map)
					#060
Substance: LEAD COMPOUNDS, SOLUBLE, n.o.s. CAS No. 000598-63-0 Substance No. 02515 Percent 60 State S	DOT No. 2291 Trade Secret NO	67 66	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#03
Substance: LINSEED OIL CAS No. 008001-26-1 Substance No. Percent 60 State L	DOT No. Trade Secret NO		Max.Daily Avg.Daily Days Onsite 365	Container 49 Location B31 RESIN REACTORS MFG-Bldg 3	Conditions 01 04 (as per site map)
					#03
Substance: LINSEED OIL CAS No. 008001-26-1 Substance No. Percent 60 State L	DOT No. Trade Secret NO		Max.Daily 15 Avg.Daily 15 Days Onsite 365	Container 49 Location C50 UST VEGETABLE OILS	Conditions 01 04 (as per site map)

ATTACHMENT D-28

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0522
Substance: LINSEED OIL CAS No. 008001-26-1 Substance No. Percent 60 State L	DOT No. Trade Secret NO	Max.Daily 16 Avg.Daily 15 Days Onsite 365	Container 49 Conditions 01 04 Location C50 (as per site map) UST VEGETABLE OILS
			#0660
Substance: LINSEED OIL CAS No. 008001-26-1 Substance No. Percent 61 State L	DOT No. Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0767
Substance: LINSEED OIL, BODIED CAS No. 067746-08-1 Substance No. Percent 60 State S	DOT No. 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as p.. site map) LAB Bldg 1:3rd floor
			#0642
Substance: LITHIUM CAS No. 007439-93-2 Substance No. 01119 Percent 60 State S	DOT No. 1415 70 68 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0228
Substance: LITHIUM CARBONATE CAS No. 000554-13-2 Substance No. 01124 Percent 60 State S	DOT No. 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 20	Container 43 Conditions 01 04 Location A41 (as per site map) STORAGE TANKS-Bldg 4
			#0186
Substance: LITHIUM HYDROXIDE MONOHYDRATE CAS No. 001310-66-3 Substance No. 01128 Percent 60 State S	DOT No. 2680 68 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 100	Container 43 Conditions 01 04 Location A41 (as per site map) STORAGE TANKS-Bldg 4
			#0691
Substance: LITHIUM HYDROXIDE MONOHYDRATE CAS No. 001310-66-3 Substance No. 01123 Percent 60 State S	DOT No. 2680 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0590
Substance: m-XYLENE CAS No. 000108-38-3 Substance No. 02902 Percent 60 State L	DOT No. 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-29

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0643
Substance: MAGNESIUM CAS No. 007439-95-4 Substance No. 01136 Percent 60 State S	DOT No. 1869 70 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 42 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0140
Substance: MALEIC ANHYDRIDE CAS No. 000108-31-6 Substance No. 01152 Percent 60 State S	DOT No. 2215 68 67 66 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
			#0682
Substance: MALEIC ANHYDRIDE CAS No. 000108-31-6 Substance No. 01152 Percent 60 State S	DOT No. 2215 68 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0662
Substance: MARINE OIL CAS No. 008016-13-5 Substance No. Percent 51 State L	DOT No. Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0282
Substance: MARINE OIL HI CAS No. 008002-53-7 Substance No. Percent 60 State L	DOT No. Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 48 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0565
Substance: MARINE OIL HI CAS No. 008002-53-7 Substance No. Percent 60 State L	DOT No. Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 200	Container 49 Conditions 01 04 Location C50 (as per site map) UST VEGETABLE OILS
			#0658
Substance: MERCURIC BROMIDE CAS No. 007789-47-1 Substance No. 01169 Percent 61 State S	DOT No. 1634 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0667
Substance: MERCURIC NITRATE CAS No. 010045-94-0 Substance No. 01173 Percent 61 State S	DOT No. 1625 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2621-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
					#0644
Substance: MERCURY CAS No. 007439-97-6 Substance No. 01183 Percent 60 State L	DOT No. 2809 Trade Secret NO	67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0507
Substance: METHANE CAS No. 000074-82-8 Substance No. 01202 Percent 60 State G	DOT No. 1971 Trade Secret NO	70 67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 34 Location	Conditions 02 04 (as per site map)
					#0784
Substance: METHANE CAS No. 000074-82-8 Substance No. 01202 Percent 60 State G	DOT No. 1971 Trade Secret NO	70 69 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 34 Location B13L LAB Bldg 1:3rd floor	Conditions 02 04 (as per site map)
					#0592
Substance: METHYL (N-AMYL) KETONE CAS No. 000110-43-0 Substance No. 01279 Percent 60 State L	DOT No. 1110 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0593
Substance: METHYL (N-AMYL) KETONE CAS No. 000110-43-0 Substance No. 01279 Percent 60 State L	DOT No. 1110 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0118
Substance: METHYL ALCOHOL CAS No. 000067-56-1 Substance No. 01222 Percent 60 State L	DOT No. 1230 Trade Secret NO	70 67 66	Max.Daily 12 Avg.Daily 10 Days Onsite 365	Container 47 Location 831 RESIN REACTORS MFG-Bldg 3	Conditions 01 04 (as per site map)
					#0460
Substance: METHYL ALCOHOL CAS No. 000067-56-1 Substance No. 01222 Percent 60 State L	DOT No. 1230 Trade Secret NO	70 67 66	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 46 Location 831 RESIN REACTORS MFG-Bldg 3	Conditions 01 04 (as per site map)
					#0672
Substance: METHYL ALCOHOL CAS No. 000067-56-1 Substance No. 01222 Percent 60 State L	DOT No. 1230 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)

ATTACHMENT D-2

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
HJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
					#0673
Substance: METHYL ALCOHOL CAS No. 000067-56-1 Substance No. 01222 Percent 60 State L	DOT No. 1230 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0674
Substance: METHYL ALCOHOL CAS No. 000067-56-1 Substance No. 01222 Percent 60 State L	DOT No. 1230 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0675
Substance: METHYL ALCOHOL CAS No. 000067-56-1 Substance No. 01222 Percent 60 State L	DOT No. 1230 Trade Secret NO	70 68 67 66	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Location B12L	Conditions 01 04 (as per site map)
					#0581
Substance: METHYL CHLOROFORM CAS No. 000071-55-6 Substance No. 01237 Percent 60 State L	DOT No. 2831 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	Conditi s 01 04 (as per site map)
					#0150
Substance: METHYL ETHYL KETONE CAS No. 000078-93-3 Substance No. 01258 Percent 60 State L	DOT No. 1193 Trade Secret NO	70 67 66	Max.Daily 13 Avg.Daily 12 Days Onsite 365	Container 47 Location B12 WHSE -Bldg 1:2nd floor	Conditions 01 04 (as per site map)
					#0468
Substance: METHYL ETHYL KETONE CAS No. 000078-93-3 Substance No. 01258 Percent 60 State L	DOT No. 1193 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Location B31 RESIN REACTORS MFG-Bldg 3	Conditions 01 04 (as per site map)
					#0728
Substance: METHYL ETHYL KETONE CAS No. 000078-93-3 Substance No. 01258 Percent 60 State L	DOT No. 1193 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
					#0693
Substance: METHYL ETHYL KETOXIME CAS No. 000096-29-7 Substance No. Percent 60 State L	DOT No. Trade Secret NO	70 67 66	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)

ATTACHMENT D

Reporting Period: January 1 - December 31, 1990

ACILITY IDENTIFICATION AND SITE LOCATION
.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0153
Substance: METHYL ISOBUTYL KETONE CAS No. 000108-10-1 DOT No. 1245 Substance No. 01268 Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 47 Conditions 01 04 Location B21 (as per site map) RESIN PROCESS TANKS .dg 2
			#0467
Substance: METHYL ISOBUTYL KETONE CAS No. 000108-10-1 DOT No. 1245 Substance No. 01268 Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0562
Substance: METHYL ISOBUTYL KETONE CAS No. 000108-10-1 DOT No. 1245 Substance No. 01268 Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 12 Avg.Daily 11 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
			#0736
Substance: METHYL ISOBUTYL KETONE CAS No. 000108-10-1 DOT No. 1245 Substance No. 01268 Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0737
Substance: METHYL ISOBUTYL KETONE CAS No. 000108-10-1 DOT No. 1245 Substance No. 01268 Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0738
Substance: METHYL ISOBUTYL KETONE CAS No. 000108-10-1 DOT No. 1245 Substance No. 01268 Percent 60 State L Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0617
Substance: METHYL METHACRYLATE CAS No. 000080-62-6 DOT No. 1247 Substance No. 01277 Percent 60 State L Trade Secret NO	70 68 67 66	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0193
Substance: METHYL PROPYL KETONE CAS No. 000107-87-9 DOT No. 1249 Substance No. 01292 Percent 60 State L Trade Secret NO	70 67	Max.Daily 13 Avg.Daily 12 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor

ATTACHMENT D-

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0469
Substance: METHYL PROPYL KETONE CAS No. 000107-87-9 Substance No. 01292 Percent 60 State L	DOT No. 1249 70 67 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 365	Container 50 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
			#0540
Substance: METHYL PROPYL KETONE CAS No. 000107-87-9 Substance No. 01292 Percent 60 State L	DOT No. 1249 70 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 2	Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
			#0541
Substance: METHYL PROPYL KETONE CAS No. 000107-87-9 Substance No. 01292 Percent 60 State L	DOT No. 1249 70 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0695
Substance: METHYL PROPYL KETONE CAS No. 000107-87-9 Substance No. 01292 Percent 60 State L	DOT No. 1249 70 68 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0696
Substance: METHYL PROPYL KETONE CAS No. 000107-87-9 Substance No. 01292 Percent 60 State L	DOT No. 1249 70 68 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0508
Substance: MOTOR FUEL, n.o.s. CAS No. Substance No. 02569 Percent 60 State L	DOT No. 1203 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 365	Container 36 Conditions 01 04 Location A91 (as per site map) TRUCKING OFFICE/GARAGE/SECURITY
			#0608
Substance: n-AMYL ACETATE CAS No. 000628-63-7 Substance No. 01321 Percent 60 State L	DOT No. 1104 70 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0168
Substance: n-BUTYL ACETATE CAS No. 000123-86-4 Substance No. 01329 Percent 60 State L	DOT No. 1123 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 11 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor

ATTACHMENT 1 D-34

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: n-BUTYL ACETATE CAS No. 000123-86-4 Substance No. 01329 Percent 60 State L	DOT No. 1123 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0471 Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
Substance: n-BUTYL ACETATE CAS No. 000123-86-4 Substance No. 01329 Percent 60 State L	DOT No. 1123 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	#0757 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: n-BUTYL ALCOHOL CAS No. 000071-36-3 Substance No. 01330 Percent 60 State L	DOT No. 1120 70 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 365	#0101 Container 50 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
Substance: n-BUTYL ALCOHOL CAS No. 000071-36-3 Substance No. 01330 Percent 60 State L	DOT No. 1120 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 11 Days Onsite 365	#0461 Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
Substance: n-BUTYL ALCOHOL CAS No. 000071-36-3 Substance No. 01330 Percent 60 State L	DOT No. 1120 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0714 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: n-BUTYL ALCOHOL CAS No. 000071-36-3 Substance No. 01330 Percent 60 State L	DOT No. 1120 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0715 Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: n-BUTYL ALCOHOL CAS No. 000071-36-3 Substance No. 01330 Percent 60 State L	DOT No. 1120 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0716 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: n-BUTYL ALCOHOL CAS No. 000071-36-3 Substance No. 01330 Percent 60 State L	DOT No. 1120 70 68 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0717 Container 39 Conditions 01 04 Location B12L (as per site map)

ATTACHMENT D-35

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION

A.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE

D.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0125
Substance: NAPHTHALENE CAS No. 000091-20-3 Substance No. 01322 Percent 60 State L	DOT No. 1334 70 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 100	Container 47 Conditions 01 04 Location B13 (as per site map) WASTE -Bldg 1:2nd floor
			#0700
Substance: NAPHTHALENE CAS No. 000091-20-3 Substance No. 01322 Percent 60 State L	DOT No. 1334 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0651
Substance: NITRIC ACID CAS No. 007697-37-2 Substance No. 01356 Percent 61 State L	DOT No. 2031 68 67 Trade Secret NO	Max.Daily 19 Avg.Daily 19 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0553
Substance: NITROGEN (COMPRESSED OR LIQUIFIED) CAS No. 007727-37-9 Substance No. 01375 Percent 60 State L	DOT No. 1066 69 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 365	Container 50 Conditions 02 07 Location A61 (as per site map) WASTE STORAGE AREA
			#0554
Substance: NITROGEN (COMPRESSED OR LIQUIFIED) CAS No. 007727-37-9 Substance No. 01375 Percent 60 State L	DOT No. 1066 69 67 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 40	Container 38 Conditions 02 07 Location A61 (as per site map) WASTE STORAGE AREA
			#0786
Substance: NITROGEN (COMPRESSED OR LIQUIFIED) CAS No. 007727-37-9 Substance No. 01375 Percent 60 State L	DOT No. 1066 69 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 34 Conditions 02 07 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0595
Substance: NONANE CAS No. 000111-84-2 Substance No. 01414 Percent 60 State L	DOT No. 1920 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-36

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
#0572 Substance: o-CRESOL CAS No. 000095-48-7 Substance No. 01426 Percent 60 State L	DOT No. 2076 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 360	Container 47 Conditions 01 04 Location b12 (as per site map) WHSE -Bldg 1:2nd floor
#0585 Substance: o-XYLENE CAS No. 000095-47-6 Substance No. 02903 Percent 60 State L	DOT No. 70 69 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0515 Substance: ORGANOMODIFIED POLYDIMETHYLSILOXANE CAS No. 068938-54-5 Substance No. Percent 60 State L	DOT No. 67 Trade Secret NO	Max.Daily 12 Avg.Daily 11 Days Onsite 100	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
#0599 Substance: OXALIC ACID CAS No. 000144-62-7 Substance No. 01445 Percent 60 State S	DOT No. 2449 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0772 Substance: p-t-Butyl-phenol-formaldeyhde copolymer resin CAS No. 068420-36-4 Substance No. Percent 60 State S	DOT No. 67 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 42 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0587 Substance: o-XYLENE CAS No. 000106-42-3 Substance No. 02904 Percent 60 State L	DOT No. 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0472 Substance: PARAFORMALDEHYDE CAS No. 030525-89-4 Substance No. 01454 Percent 60 State S	DOT No. 2213 70 68 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 250	Container 42 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
#0611 Substance: PARAFORMALDEHYDE CAS No. 030525-89-4 Substance No. 01454 Percent 60 State S	DOT No. 2213 68 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-27

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: para-tert-butyl phenolic resin CAS No. 068480-36-4 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 365	#0384 Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: PENTAERYTHRITOL CAS No. 000115-77-5 DOT No. Substance No. Percent 60 State S Trade Secret NO		Max.Daily 16 Avg.Daily 16 Days Onsite 365	#0325 Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: PERCHLORIC ACID, less than 50% acid by weight CAS No. 007601-90-3 DOT No. 1802 Substance No. 02637 Percent 60 State L Trade Secret NO	70 60 67	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0647 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: Petroleum Hydrocarbon Resin CAS No. 064742-16-1 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 365	#0380 Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: Petroleum Hydrocarbon Resin CAS No. 064742-16-1 DOT No. Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 10 Avg.Daily 9 Days Onsite 365	#0705 Container 46 Conditions 01 04 Location 213L (as per site map) LAB Bldg 1:3rd floor
Substance: PHENOLIC RESIN CAS No. 027553-53-3 DOT No. Substance No. Percent 61 State S Trade Secret NO	67	Max.Daily 11 Avg.Daily 11 Days Onsite 365	#0686 Container 42 Conditions 01 04 Location 213L (as per site map) LAB Bldg 1:3rd floor
Substance: PHENOTHIAZINE CAS No. 000092-84-2 DOT No. Substance No. 01489 Percent 60 State S Trade Secret NO	67	Max.Daily 11 Avg.Daily 11 Days Onsite 365	#0366 Container 43 Conditions 01 04 Location 341 (as per site map) PILOT REACTORS-Bldg 4
Substance: phenylpropylsilsesquioxane CAS No. 068037-90-1 DOT No. 70 Substance No. Percent 60 State S Trade Secret NO	67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0659 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-3

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
#0106 Substance: PHOSPHORIC ACID CAS No. 007664-38-2 Substance No. 01516 Percent 60 State L	DOT No. 1805 67 68 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 365	Container 32 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
#0600 Substance: PHOSPHORIC ACID CAS No. 007664-38-2 Substance No. 01516 Percent 60 State L	DOT No. 1805 67 68 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0613 Substance: PHOSPHORIC ANHYDRIDE CAS No. 001314-56-3 Substance No. 01517 Percent 60 State S	DOT No. 1807 67 68 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 02 05 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0199 Substance: PHOSPHORUS OXYCHLORIDE CAS No. 010025-87-3 Substance No. 01523 Percent 60 State L	DOT No. 1810 67 66 68 Trade Secret NO	Max.Daily 12 Avg.Daily 11 Days Onsite 250	Container 47 Conditions 01 04 Location A51 (as per site map) DIAZO-SPECIALITY MFG Bldg 5,6
#0703 Substance: PHOSPHORUS OXYCHLORIDE CAS No. 010025-87-3 Substance No. 01523 Percent 60 State L	DOT No. 1810 67 66 68 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0517 Substance: phthalate ester CAS No. 068515-48-0 Substance No. 03005 Percent State L	DOT No. Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 100	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
#0124 Substance: PHTHALIC ANHYDRIDE CAS No. 000085-44-9 Substance No. 01535 Percent 60 State S	DOT No. 2214 67 Trade Secret NO	Max.Daily 15 Avg.Daily 15 Days Onsite 365	Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
#0142 Substance: PHTHALIC ANHYDRIDE CAS No. 000085-44-9 Substance No. 01535 Percent 60 State L	DOT No. 2214 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 365	Container 50 Conditions 01 05 Location A31 (as per site map) DRUM YARD STORAGE EAST

ATTACHMENT D-39

Reporting Period: January 1 - December 31, 1990

ACILITY IDENTIFICATION AND SITE LOCATION
.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 48 ALBERT AVENUE
.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
#0551 Substance: PHTHALIC ANHYDRIDE CAS No. 000085-44-9 DOT No. 2214 Substance No. 01539 Percent 60 State L Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 250	Container 36 Conditions 01 05 Location A21 (as per site map) DRUM YARD STORAGE EAST
#0687 Substance: PHTHALIC ANHYDRIDE CAS No. 000085-44-9 DOT No. 2214 Substance No. 01539 Percent 60 State S Trade Secret NO	67	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 43 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0120 Substance: POISON B LIQUIDS CAS No. 026471-62-5 DOT No. 2820 Substance No. 02694 Percent 60 State L Trade Secret NO	68 67 65	Max.Daily 14 Avg.Daily 13 Days Onsite 365	Container 47 Conditions 01 04 Location A21 (as per site map) EHS STORAGE-TDI DRUMS-Bldg 18
#0628 Substance: POISON B LIQUIDS CAS No. 026471-62-5 DOT No. 2820 Substance No. 02694 Percent 60 State L Trade Secret NO	68 67 65	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0514 Substance: POISONOUS LIQUIDS, n.o.s. CAS No. 002770-42-9 DOT No. 2810 Substance No. 02694 Percent 60 State L Trade Secret NO	68	Max.Daily 13 Avg.Daily 12 Days Onsite 150	Container 47 Conditions 01 04 Location A21 (as per site map) EHS STORAGE-TDI DRUMS-Bldg 18
#0424 Substance: Polyether polyol CAS No. 009082-00-2 DOT No. Substance No. Percent 60 State L Trade Secret NO	67	Max.Daily 13 Avg.Daily 12 Days Onsite 190	Container 47 Conditions 01 04 Location B12 (as per site map) WASE -Bldg 1:2nd floor
#0679 Substance: POLYETHER POLYOL CAS No. 025190-06-1 DOT No. Substance No. Percent 61 State L Trade Secret NO	70 67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
#0768 Substance: Polyether polyol CAS No. 029434-03-5 DOT No. Substance No. Percent 60 State L Trade Secret NO	67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-4C

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: POLYMERIZED FATTY ACID CAS No. 061788-89-4 Substance No. Percent 60 State L	DOT No. 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 365	#0406 Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
Substance: POTASSIUM BROMATE CAS No. 007758-01-2 Substance No. 01559 Percent 61 State S	DOT No. 1484 68 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0655 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: POTASSIUM HYDROXIDE CAS No. 001310-58-3 Substance No. 01571 Percent 60 State S	DOT No. 1813 68 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 100	#0494 Container 32 Conditions 01 04 Location A31 (as per site map) DRUM YARD STORAGE EAST
Substance: POTASSIUM HYDROXIDE CAS No. 001310-58-3 Substance No. 01571 Percent 60 State S	DOT No. 1813 68 67 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 365	#0530 Container 47 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: POTASSIUM HYDROXIDE CAS No. 001310-58-3 Substance No. 01571 Percent 60 State S	DOT No. 1813 68 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	#0565 Container 47 Conditions 01 04 Location 999 (as per site map) PLANTWIDE
Substance: PROPANE CAS No. 000074-98-6 Substance No. 01594 Percent 60 State G	DOT No. 1978 70 69 67 Trade Secret NO	Max.Daily 12 Avg.Daily 11 Days Onsite 365	#0559 Container 40 Conditions 02 04 Location 999 (as per site map) PLANTWIDE
Substance: PROPYL ALCOHOL CAS No. 000071-23-8 Substance No. 01605 Percent 60 State L	DOT No. 1274 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	#0580 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: PROPYLENE GLYCOL CAS No. 000057-55-6 Substance No. Percent 60 State L	DOT No. Trade Secret NO	Max.Daily 14 Avg.Daily 13 Days Onsite 365	#0531 Container 48 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3

ATTACHMENT D-1

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: PROPYLENE GLYCOL CAS No. 000057-55-6 DOT No. Substance No. 67 Percent 60 State L Trade Secret NO		Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0612 Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: PROPYLENE GLYCOL MONOMETHYL ETHER CAS No. 000107-98-2 DOT No. 70 Substance No. 01613 67 66 Percent 60 State L Trade Secret NO		Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0688 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: Propylene glycol monomethyl ether acetate CAS No. 000108-65-6 DOT No. 70 Substance No. 67 Percent 60 State L Trade Secret NO		Max.Daily 12 Avg.Daily 11 Days Onsite 150	#0340 Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
Substance: Propylene glycol monomethyl ether acetate CAS No. 000108-65-6 DOT No. 70 Substance No. 67 Percent 60 State L Trade Secret NO		Max.Daily 13 Avg.Daily 13 Days Onsite 100	#0465 Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
Substance: Propylene glycol monomethyl ether acetate CAS No. 000108-65-6 DOT No. 70 Substance No. 67 66 Percent 60 State L Trade Secret NO		Max.Daily 11 Avg.Daily 10 Days Onsite 365	#0692 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: PYRIDINE CAS No. 000110-86-1 DOT No. 1282 70 68 Substance No. 01624 67 Percent 60 State L Trade Secret NO		Max.Daily 11 Avg.Daily 10 Days Onsite 365	#0594 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: RESIN SOLUTION CAS No. DOT No. 2868 70 Substance No. 02749 67 Percent 60 State L Trade Secret NO		Max.Daily 15 Avg.Daily 14 Days Onsite 365	#0434 Container 47 Conditions 01 05 Location 999 (as per site map) ubiquitous
Substance: RESIN SOLUTION CAS No. DOT No. 2868 70 Substance No. 02749 67 Percent 60 State L Trade Secret NO		Max.Daily 13 Avg.Daily 13 Days Onsite 200	#0475 Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor

ATTACHMENT D-1

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
				#0555
Substance: RESIN SOLUTION CAS No. Substance No. 02749 Percent 60 State L	DOT No. 2868 70 67 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 50 Location A11 TANK FARM EAST-RESIN SOLN.	Conditions 01 05 (as per site map)
				#0556
Substance: RESIN SOLUTION CAS No. Substance No. 02749 Percent 60 State L	DOT No. 2868 70 67 Trade Secret NO	Max.Daily 17 Avg.Daily 16 Days Onsite 365	Container 50 Location 999 PLANT WIDE	Conditions 01 05 (as per site map)
				#0557
Substance: RESIN SOLUTION CAS No. Substance No. 02749 Percent 60 State L	DOT No. 2868 70 67 Trade Secret NO	Max.Daily 16 Avg.Daily 15 Days Onsite 200	Container 36 Location 999 PLANT WIDE	Conditions 01 05 (as per site map)
				#0558
Substance: RESIN SOLUTION CAS No. Substance No. 02749 Percent 60 State L	DOT No. 2868 70 67 Trade Secret NO	Max.Daily 13 Avg.Daily 12 Days Onsite 365	Container 46 Location 999 PLANT WIDE	Conditions 01 05 (as per site map)
				#0567
Substance: RESIN SOLUTION CAS No. Substance No. 02749 Percent 60 State L	DOT No. 2868 70 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 39 Location 999 PLANT WIDE	Conditions 01 05 (as per site map)
				#0774
Substance: RESIN SOLUTION CAS No. Substance No. 02749 Percent 60 State L	DOT No. 2868 70 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	Conditions 01 05 (as per site map)
				#0775
Substance: RESIN SOLUTION CAS No. Substance No. 02749 Percent 60 State L	DOT No. 2868 70 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 05 (as per site map)
				#0374
Substance: Rosin CAS No. 008052-10-6 Substance No. Percent 60 State S	DOT No. 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 365	Container 47 Location A31 DRUM YARD STORAGE EAST	Conditions 01 04 (as per site map)

ATTACHMENT 1D

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS	
Substance: Rosin CAS No. 008052-10-6 Substance No. Percent 60 State S	DOT No. Trade Secret NO	67	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 46 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
Substance: sec-BUTYL ALCOHOL CAS No. 000078-92-2 Substance No. 01645 Percent 60 State L	DOT No. 1120 Trade Secret NO	70 67 66	Max.Daily 12 Avg.Daily 11 Days Onsite 100	Container 47 Location B12 WHSE -Bldg 1:2nd floor	Conditions 01 04 (as per site map)
Substance: Sodium Alkylaryl Polyether Sulfonate CAS No. 067923-87-9 Substance No. Percent 60 State L	DOT No. Trade Secret NO		Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 47 Location B12 WHSE -Bldg 1:2nd floor	Conditions 01 04 (as per site map)
Substance: SODIUM BISULFITE CAS No. 007631-90-5 Substance No. 01685 Percent 60 State S	DOT No. 2693 Trade Secret NO	67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
Substance: SODIUM HYDROXIDE CAS No. 001310-73-2 Substance No. 01706 Percent 60 State S	DOT No. 1823 Trade Secret NO	68 67	Max.Daily 13 Avg.Daily 13 Days Onsite 90	Container 47 Location C11 WHSE-Bldg 1:1st floor	Conditions 01 04 (as per site map)
Substance: SODIUM HYDROXIDE CAS No. 001310-73-2 Substance No. 01706 Percent 60 State S	DOT No. 1823 Trade Secret NO	68 67	Max.Daily 13 Avg.Daily 13 Days Onsite 50	Container 42 Location 999 ubiquitous	Conditions 01 04 (as per site map)
Substance: SODIUM METHYLATE CAS No. 000124-41-4 Substance No. 01709 Percent 60 State L	DOT No. 1289 Trade Secret NO	70 67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)
Substance: SODIUM NITRITE CAS No. 007632-00-0 Substance No. 02258 Percent 60 State S	DOT No. 1500 Trade Secret NO	68 67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Location B13L LAB Bldg 1:3rd floor	Conditions 01 04 (as per site map)

ATTACHMENT D-1

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 09457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0560
Substance: Sodium potassium aluminum silicate CAS No. 093763-70-3 Substance No. Percent 60 State S	DOT No. 67 Trade Secret NO	Max.Daily 14 Avg.Daily 13 Days Onsite 365	Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
			#0510
Substance: SOLVENT, n.o.s CAS No. 064742-89-8 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 47 Conditions 01 04 Location B41 (as per site map) PILOT REACTORS-Bldg 4
			#0137
Substance: SOLVENT, n.o.s. CAS No. 064742-94-5 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0138
Substance: SOLVENT, n.o.s. CAS No. 064742-95-6 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0456
Substance: SOLVENT, n.o.s. CAS No. 064742-95-6 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 50 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
			#0457
Substance: SOLVENT, n.o.s. CAS No. 064742-94-5 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 365	Container 50 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
			#0536
Substance: SOLVENT, n.o.s. CAS No. 064742-94-5 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 14 Avg.Daily 13 Days Onsite 15	Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
			#0537
Substance: SOLVENT, n.o.s. CAS No. 064742-95-6 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 4	Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS

ATTACHMENT D-2

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2021-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0739
Substance: SOLVENT, n.o.s. CAS No. 064742-95-6 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0740
Substance: SOLVENT, n.o.s. CAS No. 064742-95-6 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0741
Substance: SOLVENT, n.o.s. CAS No. 064742-95-6 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0752
Substance: SOLVENT, n.o.s. CAS No. 064742-94-5 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0753
Substance: SOLVENT, n.o.s. CAS No. 064742-94-5 Substance No. 02784 Percent 60 State L	DOT No. 1993 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0283
Substance: SOYA OIL CAS No. 008001-22-7 Substance No. Percent 60 State L	DOT No. Trade Secret NO	Max.Daily 17 Avg.Daily 16 Days Onsite 365	Container 49 Conditions 01 04 Location C50 (as per site map) UST VEGETABLE OILS
			#0710
Substance: SOYA OIL CAS No. 008001-22-7 Substance No. Percent 60 State L	DOT No. 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0491
Substance: Soybean fatty acids CAS No. 068308-53-2 Substance No. Percent 60 State L	DOT No. 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 300	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor

ATTACHMENT D-46

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip:

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: STANNOUS CHLORIDE CAS No. 007772-99-8 Substance No. 01733 Percent 60 State S	DOT No. 1759 67 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 47 Conditions Location B41 (as per site rec PILOT REACTORS-Bldg 4
Substance: STANNOUS CHLORIDE CAS No. 007772-99-8 Substance No. 01733 Percent 61 State S	DOT No. 1759 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 38 Conditions Location B13L (as per site rec LAB Bldg 1:3rd floor
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 365	Container 50 Conditions Location C31 (as per site rec TANK FARM WEST-SOLVENTS
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 60	Container 35 Conditions Location D21 (as per site rec RAILROAD SIDING-TANK CARS
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 15 Days Onsite 365	Container 50 Conditions Location 999 (as per site rec PLASTOIDE
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 365	Container 50 Conditions Location C31 (as per site rec TANK FARM WEST-SOLVENTS
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 46 Conditions Location B31 (as per site rec RESIN REACTORS RFS-Bldg
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 16 Days Onsite 365	Container 50 Conditions Location C31 (as per site rec TANK FARM WEST-SOLVENTS

ATTACHMENT D-47

Reporting Period: January 1 - December 31. 1990

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	#0534 Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 200	#0535 Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 12	#0542 Container 35 Conditions 01 04 Location D21 (as per site map) RAILROAD SIDING-TANKCARS
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 150	#0543 Container 36 Conditions 01 04 Location 999 (as per site map) PLANT WIDE
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 25	#0545 Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 365	#0546 Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	#0666 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	#0726 Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-48

Reporting Period: January 1 - December 31, 1990

ILITY IDENTIFICATION AND SITE LOCATION
JEIN 00457000005--2221-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
acility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0727
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
			#0734
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 35 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
			#0735
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
			#0761
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
			#0762
Substance: MINERAL SPIRITS CAS No. — Substance No. 3131 Percent 60 State L	DOT No. 1255 70 67 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
			#0610
Substance: STYRENE MONOMER CAS No. 000100-42-5 Substance No. 01748 Percent 60 State L	DOT No. 2055 70 68 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
			#0105
Substance: SULFURIC ACID CAS No. 007664-93-9 Substance No. 01761 Percent 60 State L	DOT No. 1830 68 67 66 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 150	Container 32 Conditions 01 04 Location A51 (as per site map) DIAZO-SPECIALITY MFG Bldg 5.6
			#0684
Substance: SULFURIC ACID CAS No. 007664-93-9 Substance No. 01761 Percent 60 State L	DOT No. 1830 68 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-1

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2831-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CHEMICALS INC. C.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: SULFURIC ACID CAS No. 007664-93-9 Substance No. 01761 Percent 60 State L	DOT No. 1831- Trade Secret NO	68 67	Max.Daily 14 Avg.Daily 10 Days Onsite 365	#0685 Container 36 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd Floor
Substance: TALL OIL CAS No. 061790-12-3 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 16 Avg.Daily 16 Days Onsite 10	#0134 Container 50 Conditions 01 04 Location B51 (as per site map) STORAGE TANKS Bldg 5 AREA
Substance: TALL OIL CAS No. 008002-26-4 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 16 Avg.Daily 15 Days Onsite 365	#0399 Container 50 Conditions 01 04 Location B51 (as per site map) STORAGE TANKS Bldg 5 AREA
Substance: TALL OIL CAS No. 008002-26-4 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 16	#0548 Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
Substance: TALL OIL CAS No. 061790-12-3 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 14 Avg.Daily 14 Days Onsite 10	#0549 Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
Substance: TALL OIL CAS No. 061790-12-3 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 16 Avg.Daily 15 Days Onsite 10	#0550 Container 35 Conditions 01 04 Location D21 (as per site map) RAILROAD SIDING-TANKCARS
Substance: TALL OIL FATTY ACIDS CAS No. 061790-12-3 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 16 Avg.Daily 16 Days Onsite 265	#0297 Container 50 Conditions 01 04 Location B51 (as per site map) STORAGE TANKS Bldg 5 AREA
Substance: TALL OIL FATTY ACIDS CAS No. 061790-12-3 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 16 Avg.Daily 15 Days Onsite 20	#0552 Container 35 Conditions 01 04 Location D21 (as per site map) RAILROAD SIDING-TANKCARS

ATTACHMENT D-5

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005 --2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
Substance: TEREPHTHALIC ACID CAS No. 000100-21-0 Substance No. 02901 Percent 60 State S	DOT No. 67 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 365	#0126 Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
Substance: TEREPHTHALIC ACID CAS No. 000100-21-0 Substance No. 02901 Percent 60 State S	DOT No. 67 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 365	#0699 Container 43 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: tert-BUTYL ALCOHOL CAS No. 000075-65-0 Substance No. 01787 Percent 60 State L	DOT No. 1120 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 11 Days Onsite 40	#0526 Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
Substance: TETRAHYDROPHTHALIC ANHYDRIDE CAS No. 000085-43-8 Substance No. 01825 Percent 60 State S	DOT No. 2698 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 200	#0249 Container 43 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
Substance: TETRAHYDROPHTHALIC ANHYDRIDE CAS No. 000085-43-8 Substance No. 01825 Percent 60 State S	DOT No. 2698 67 Trade Secret NO	Max.Daily 7 Avg.Daily 9 Days Onsite 34	#0687 Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
Substance: TOLUENE CAS No. 000108-88-3 Substance No. 01866 Percent 60 State L	DOT No. 1294 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 10 Days Onsite 365	#0110 Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
Substance: TOLUENE CAS No. 000108-88-3 Substance No. 01866 Percent 60 State L	DOT No. 1294 70 67 66 Trade Secret NO	Max.Daily 16 Avg.Daily 15 Days Onsite 365	#0452 Container 50 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
Substance: TOLUENE CAS No. 000108-88-3 Substance No. 01866 Percent 60 State L	DOT No. 1294 70 67 66 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 20	#0547 Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS

ATTACHMENT D-5

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 16 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0720
Substance: TOLUENE CAS No. 000108-88-3 Substance No. 01866 Percent 60 State L	DOT No. 1294 79 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0721
Substance: TOLUENE CAS No. 000108-88-3 Substance No. 01866 Percent 60 State L	DOT No. 1294 79 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0722
Substance: TOLUENE CAS No. 000108-88-3 Substance No. 01866 Percent 60 State L	DOT No. 1294 79 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0210
Substance: TOLUENE SULFONIC ACID CAS No. 006192-52-5 Substance No. 01870 Percent 60 State S	DOT No. 2584 67 Trade Secret NO	Max.Daily 12 Avg.Daily 12 Days Onsite 365	Container 43 Conditions 01 04 Location B41 (as per site map) PILOT REACTORS-Bldg 4
			#0639
Substance: TOLUENE SULFONIC ACID CAS No. 006192-52-5 Substance No. 01870 Percent 60 State S	DOT No. 2584 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0606
Substance: TOLUENE-2,4-DIISOCYANATE CAS No. 000584-84-9 Substance No. 01869 Percent 61 State L	DOT No. 2078 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0584
Substance: TOLUENE-2,6-DIISOCYANATE CAS No. 000091-08-7 Substance No. 01868 Percent 61 State L	DOT No. 2078 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0480
Substance: tricyclic moncarboxylic acids CAS No. 008050-09-7 Substance No. Percent 60 State S	DOT No. Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 200	Container 47 Conditions 01 04 Location C11 (as per site map) WTSE-Bldg 1:1st floor

ATTACHMENT D-52

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
A.NJEIN 00457000005--2021-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
B.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION		HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
				#0251
Substance: TRIETHYLAMINE CAS No. 000121-44-8 Substance No. 01907 Percent 60 State L	DOT No. 12 Trade Secret NO	70 68 67	Max.Daily 12 Av .Daily 12 Days Onsite 200	Container 47 Conditions 01 04 Location A51 (as per site map) DIAZO-SPECIALITY MFG Bldg 5,6
				#0623
Substance: TRIETHYLAMINE CAS No. 000121-44-8 Substance No. 01907 Percent 60 State L	DOT No. 1296 Trade Secret NO	70 68 67 66	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
				#0252
Substance: TRIMELLITIC ANHYDRIDE CAS No. 000552-30-7 Substance No. 01922 Percent 60 State S	DOT No. Trade Secret NO	70 67 66	Max.Daily 14 Avg.Daily 13 Days Onsite 365	Container 42 Conditions 01 04 Location C11 (as per site map) WHSE-Bldg 1:1st floor
				#0635
Substance: TRIMELLITIC ANHYDRIDE CAS No. 000552-30-7 Substance No. 01922 Percent 60 State S	DOT No. Trade Secret NO	67 66	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per sit map) LAB Bldg 1:3rd floor
				#0680
Substance: TRIMETHYL BENZENE CAS No. 025551-13-7 Substance No. 01926 Percent 60 State L	DOT No. 2325 Trade Secret NO	70 67 66	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
				#0372
Substance: Trimethylolpropane triacrylate CAS No. 015625-89-5 Substance No. Percent 60 State L	DOT No. Trade Secret NO	68 67 66	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 47 Conditions 01 04 Location B12 (as per site map) WHSE -Bldg 1:2nd floor
				#0315
Substance: TUNG OIL CAS No. 008001-20-5 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 16 Avg.Daily 14 Days Onsite 365	Container 48 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
				#0708
Substance: TUNG OIL CAS No. 008001-20-5 Substance No. Percent 60 State L	DOT No. Trade Secret NO	67	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-53

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0620
Substance: VINYL TOLUENE CAS No. 025013-15-4 Substance No. 02010 Percent 60 State L	DOT No. 2618 70 68 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0136
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 60 State L	DOT No. 1115 70 67 Trade Secret NO	Max.Daily 12 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0336
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 60 State L	DOT No. 1115 70 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0470
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 60 State L	DOT No. 1115 70 67 Trade Secret NO	Max.Daily 15 Avg.Daily 14 Days Onsite 365	Container 50 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
			#0544
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 60 State L	DOT No. 1115 70 67 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 50	Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
			#0664
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 51 State L	DOT No. 1115 70 67 66 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0665
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 51 State L	DOT No. 1115 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0729
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 60 State L	DOT No. 1115 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-2H

Reporting Period: January 1 - December 31, 1990

CILITY IDENTIFICATION AND SITE LOCATION
NJEIN 00457000005--2821-- (F tory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
CHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105
Facility Name:

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0730
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 60 State L	DOT No. 1115 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0759
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 60 State L	DOT No. 1115 70 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0760
Substance: VM & P NAPHTHA CAS No. 008032-32-4 Substance No. 00206 Percent 60 State L	DOT No. 1115 70 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0112
Substance: XYLENES CAS No. 001330-20-7 Substance No. 02014 Percent 60 State L	DOT No. 1307 70 67 66 Trade Secret NO	Max.Daily 12 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B31 (as per site map) RESIN REACTORS MFG-Bldg 3
			#0451
Substance: XYLENES CAS No. 001330-20-7 Substance No. 02014 Percent 60 State L	DOT No. 1307 70 67 66 Trade Secret NO	Max.Daily 17 Avg.Daily 15 Days Onsite 365	Container 50 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
			#0538
Substance: XYLENES CAS No. 001330-20-7 Substance No. 02014 Percent 60 State L	DOT No. 1307 70 67 66 Trade Secret NO	Max.Daily 14 Avg.Daily 14 Days Onsite 150	Container 36 Conditions 01 04 Location C31 (as per site map) TANK FARM WEST-SOLVENTS
			#0723
Substance: XYLENES CAS No. 001330-20-7 Substance No. 02014 Percent 60 State L	DOT No. 1307 70 67 66 Trade Secret NO	Max.Daily 11 Avg.Daily 10 Days Onsite 365	Container 46 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor
			#0724
Substance: XYLENES CAS No. 001330-20-7 Substance No. 02014 Percent 60 State L	DOT No. 1307 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 38 Conditions 01 04 Location B13L (as per site map) LAB Bldg 1:3rd floor

ATTACHMENT D-5

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION
.NJEIN 00457000005--2821-- (Factory and R&D Laboratory) C.Location Address: 46 ALBERT AVENUE
.Facility Name: REICHHOLD CHEMICALS, INC. D.City: NEWARK E.State: NJ F.Zip: 07105

CHEMICAL DESCRIPTION	HAZARDS	INVENTORY	STORAGE CODES AND LOCATIONS
			#0725
Substance: XYLENES CAS No. 001330-20-7 Substance No. 02014 Percent 60 State L	DOT No. 1307 70 67 66 Trade Secret NO	Max.Daily 10 Avg.Daily 10 Days Onsite 365	Container 39 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
			#0516
Substance: XYLENOL CAS No. 001300-71-6 Substance No. 02015 Percent State L	DOT No. 2261 70 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 100	Container 47 Conditions 01 04 Location 812 (as per site map) WHSE -Bldg 1:2nd floor
			#0213
Substance: ZINC ACETATE CAS No. 000557-34-6 Substance No. 02022 Percent 60 State S	DOT No. 9153 67 Trade Secret NO	Max.Daily 11 Avg.Daily 11 Days Onsite 150	Container 43 Conditions 01 04 Location 812 (as per site map) WHSE -Bldg 1:2nd floor
			#0638
Substance: ZINC ACETATE CAS No. 000557-34-6 Substance No. 02022 Percent 60 State S	DOT No 153 67 Trade Secret NO	Max.Daily 9 Avg.Daily [illegible] Days Onsite [illegible]	Container 39 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
			#0214
Substance: ZINC CHLORIDE CAS No. 007646-85-7 Substance No. 02030 Percent 60 State S	DOT No. 2331 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 200	Container 46 Conditions 01 04 Location A51 (as per site map) DIAZO-SPECIALITY MFG Bldg 5,6
			#0704
Substance: ZINC CHLORIDE CAS No. 007646-85-7 Substance No. 02030 Percent 60 State S	DOT No. 2331 68 67 Trade Secret NO	Max.Daily 9 Avg.Daily 9 Days Onsite 365	Container 39 Conditions 01 04 Location 813L (as per site map) LAB Bldg 1:3rd floor
			#0442
Substance: ZINC compounds CAS No. Substance No. 03012 Percent 60 State L	DOT No. 70 67 Trade Secret NO	Max.Daily 13 Avg.Daily 13 Days Onsite 365	Container 47 Conditions 01 04 Location 821 (as per site map) RESIN PROCESS TANKS-Bldg 2

ATTACHMENT D-5

IMPORTANT! Read all instructions before completing. Photocopy this sheet, if you need additional forms. Please print or type all responses. Complete sections A-F before making photocopies of this page.

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION

A. NJEIN 0 0 4 5 7 0 0 0 0 0 5

B. Facility Name REICHHOLD CHEMICALS, INC.

C. Location Address 46 ALBERT AVE.

D. City NEWARK E. State NJ F. Zip 07105

CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
Substance ALUMINUM SULFATE CAS No. 10043-01-3 DOT No. 9073 Substance No. (if available) 0068 Percent 59 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	(Codes for all that apply.) 67.	(Enter Code) Max. Daily 09 Avg. Daily 09 Days Onsite 365 (Actual Number)	(Enter Codes, except Location(s); supply narrative.) Container 39 Conditions 01, 04 Location(s) BLDG 1, 3RD FLOOR
Substance BENZENE CAS No. 71-43-2 DOT No. 1114 Substance No. (if available) 0197 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66. 67. 68. 70. .	Max. Daily 09 Avg. Daily 09 Days Onsite 365 (Actual Number)	Container 39 Conditions 01, 04 Location(s) BLDG 1, 3RD FLOOR
Substance GLYCERINE CAS No. 56-81-5 DOT No. — Substance No. (if available) — Percent 59 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	67.	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 47 Conditions 01, 04 Location(s) BLDG 1-4
Substance ISOPHTHALIC ACID CAS No. 121-91-5 DOT No. — Substance No. (if available) — Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	67.	Max. Daily 14 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 42 Conditions 01, 04 Location(s) BLDG 1-4
Substance METHYLENE CHLORIDE CAS No. 75-09-2 DOT No. 1593 Substance No. (if available) 1255 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66. 67. 68. . .	Max. Daily 09 Avg. Daily 09 Days Onsite 365 (Actual Number)	Container 39 Conditions 01, 04 Location(s) BLDG 1, 3RD FLOOR LAB
Substance NITROBENZENE CAS No. 98-95-3 DOT No. 1662 Substance No. (if available) 1361 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66. 67. 68. 70. .	Max. Daily 09 Avg. Daily 09 Days Onsite 365 (Actual Number)	Container 39 Conditions 01, 04 Location(s) BLDG 1, 3RD FLOOR LAB
Substance TOLUENE-2,4-DIISOCYANATE CAS No. 584-84-9 DOT No. 2078 Substance No. (if available) 1869 Percent 58 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66. 67.	Max. Daily 14 Avg. Daily 14 Days Onsite 350 (Actual Number)	Container 47 Conditions 01, 05 Location(s) BUILDING #1B, EAU DRUM STORAGE

See Instructions for codes.

ATTACHMENT D-5

IMPORTANT! Read all instructions before completing. Photocopy this sheet, if you need additional forms. Please print or type all responses. Complete sections A-F before making photocopies of this page.

Reporting Period: January 1 - December 31, 1990

FACILITY IDENTIFICATION AND SITE LOCATION

A. NJEIN 0 0 4 5 7 0 0 0 0 0 5

B. Facility Name REICHHOLD CHEMICALS, INC.

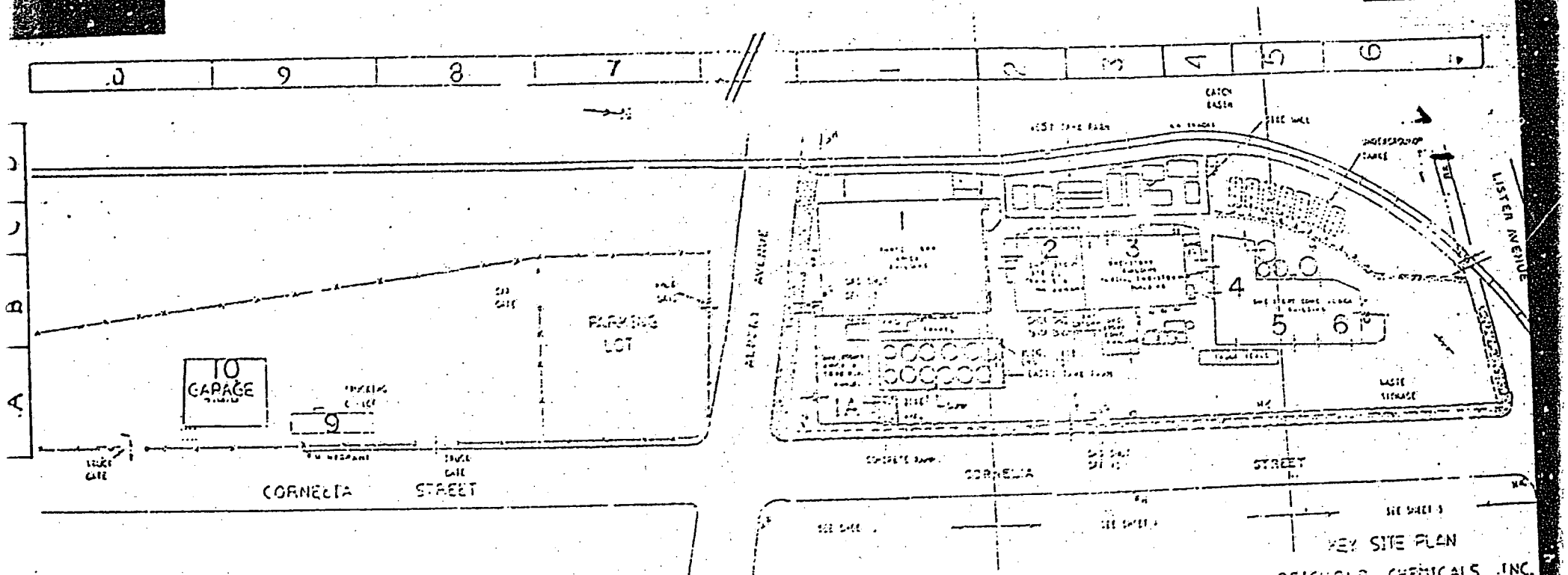
C. Location Address 46 ALBERT AVE.

D. City NEWARK E. State NJ F. Zip 07105

CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
Substance TOLUENE-2,6-DIISOCYANATE CAS No. 91-08-7 DOT No. 2078 Substance No. (if available) 18168 Percent 53 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	(Codes for all that apply.) 1.6.6.7. . .	(Enter Code) Max. Daily L Avg. Daily L Days Onsite 350 (Actual Number)	(Enter Codes, except Location(s); supply narrative.) Container 47 Conditions 01, 05 Location(s) BUILDING #13, EAST DRUM STORAGE
Substance N/A CAS No. - - DOT No. Substance No. (if available) Percent (Code) State (Code) Trade Secret ☐ (Check if claiming)	. . .	Max. Daily Avg. Daily Days Onsite (Actual Number)	Container Conditions . . Location(s)
Substance CAS No. - - DOT No. Substance No. (if available) Percent (Code) State (Code) Trade Secret ☐ (Check if claiming)	. . .	Max. Daily Avg. Daily Days Onsite (Actual Number)	Container Conditions . . Location(s)
Substance CAS No. - - DOT No. Substance No. (if available) Percent (Code) State (Code) Trade Secret ☐ (Check if claiming)	. . .	Max. Daily Avg. Daily Days Onsite (Actual Number)	Container Conditions . . Location(s)
Substance CAS No. - - DOT No. Substance No. (if available) Percent (Code) State (Code) Trade Secret ☐ (Check if claiming)	. . .	Max. Daily Avg. Daily Days Onsite (Actual Number)	Container Conditions . . Location(s)
Substance CAS No. - - DOT No. Substance No. (if available) Percent (Code) State (Code) Trade Secret ☐ (Check if claiming)	. . .	Max. Daily Avg. Daily Days Onsite (Actual Number)	Container Conditions . . Location(s)
Substance CAS No. - - DOT No. Substance No. (if available) Percent (Code) State (Code) Trade Secret ☐ (Check if claiming)	. . .	Max. Daily Avg. Daily Days Onsite (Actual Number)	Container Conditions . . Location(s)

See Instructions for codes.

ATTACHMENT D



ATTACHMENT D-5

ATTACHMENT E

DIVISION OF HAZARDOUS WASTE MANAGEMENT
HAZARDOUS WASTE INSPECTION REPORT

DWM-029

HAZARDOUS WASTE MANAGEMENT FACILITY INSPECTION REPORT

FACILITY INFORMATION

FACILITY NAME: REICHHOLD CHEMICALS FORMER CELLOMER CORP.

FILE NUMBER: 07-14-45

VHT FACILITY FILE NUMBER:

PERMIT #:

REGION: M

INSPECTION DATE: OCT. 13/89 & OCT. 16. 89

INCIDENT/CASE NUMBER:

INSPECTION TYPE: TSDF / LB

RESPONSIBLE AGENCY CODE: NJDEP

INSPECTOR'S NAME: BOLESLAW CZACHOR

INSPECTOR'S AGENCY: DHWM

INSPECTOR'S BUREAU: M

EPA ID NUMBER: NJD048797195

ADDRESS: 46 ALBERT AVE, NEWARK, NJ. 07105

LOT: 29 BLOCK: 2448

COUNTY: ESSEX

FACILITY PERSONNEL: JOSEPH POINTEK

TELEPHONE #: 201-589-5898

OTHER STATE/EPA PERSONNEL: GARY GREULICH

REPORT PREPARED BY: B. CZACHOR

REVIEWED BY: M Sterling

DATE OF REVIEW: 12/20/89

ATTACHMENT E-1

PHOTOS TAKEN: (__) YES (X) NO

SAMPLE TAKEN: (__) YES (X) NO

If yes, how many?

NO. OF SAMPLES: N/A NJDEP ID #: N/A

MANIFESTS REVIEWED: (X) YES (__) NO

Number of Manifests in Compliance: 41

Number of Manifests Not in Compliance: 3

List Manifest Document Numbers of Those Manifests Not in Compliance:

NJA 0416311 (10/28/88) — no LBR not. form
" 0416307 08/07/88 — " "
" 0416306 06/10/88 — " "

NJA 0416326 (02/17/89 — No LBR notif form
NJA 0416323 (02/16/89 — " "
" 24 (01/25/89 — " "
" 25 (02/07/89) — " "
" 27 (02/22/89) — " "
" 28 (03/28/89) — " "
" 30 (05/12/89 — " "
" 32 (5/17/89) — " "
" 33 (5/24/89 — " "
" 34 (6/02/89 — " "
" 35 (6/15/89 — " "
" 37 (7/17/89 — " "
" 0632770 (9/05/89 — " "
" 0416329 (04/12/89) — " "
" 0416331 (05/19/89) — " "

ATTACHMENT E-2

Describe the activities that result in the generation of hazardous waste.

- residual material in the processing and transfer equipment (hose dipps and pump flushes).
- filter cake

Identify the hazardous waste located on site, and estimate the approximate quantities of each. (Identify Waste Codes).

45-55 GAL steel containers, filled with waste resin residues. F003/F005 - D001.

ATTACHMENT E-3

SUMMARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS

The REICHHOLD CHEMICALS Inc, formerly Cellomer Corp located at 46 ALBERT AVE in NEWARK, N.J. with the EPA assigned ID number NJD048797195 is a manufacturer of resin polymers for various point industry. The company used to be known as CELLOMER CORP., however since the Cellomer Corp bought the REICHHOLD Chemicals on July 1988, the company name was changed to REICHHOLD Chemicals Inc.

Manufacturing operations involve the flamable and nonflammable alkyd resins which are sold to point manufacturing industry. The alkyd resins are dibasic acids, polyols, and vegetable oils which are treated with aliphatic solvents, for example mineral spirits, xylene, naphta, and MIK, n-butyl alcohol, toluene, MEK and isobutanol.

No haz. waste is generated during the batch making operations, however the haz. waste is generated from filtering operations and from residual material left in hoses, pumps and other material handling equipment. The liquid haz. waste is handled in the

ATTACHMENT E-4

SUMMARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS:

55 GAL steel drums and trucked away when full load is accumulated within 90 days storage time. The CYCLE CHEM Inc is the disposal facility for liquid haz. waste. This waste is classified as F003/F005 waste. Other waste stream, which is filter cake, comes from the filter press where the solids/semisolids are removed from the resins solution. The filter cake is accumulated in the R.O. box and shipped to S & W Waste for disposal. This waste is classified as C386 - phtholic anhydride.

The physical inspection of the facility revealed that the haz. waste storage area is maintained in good shape. ALL containers were found in good conditions, labeled and there were no leaks or spills on the ground. However I found there there is no daily inspection log kept for the storage area, and the containers are stored less than 50' from the property line. On the documentation required under the RCRA the company was found to be

SUMMARY OF FINDINGS

CILITY DESCRIPTION AND OPERATIONS

deficient on the following: 7.4(a)4vii, improperly completed manifest, 9.4(b)2, 9.4(f)3, 9.4(f)6, 9.4(g), 9.6(f)1, 9.6(f)4, 9.7(f), 9.7(i)2, 9.8 et seq. It should be noticed that company is acting as a generator of hz. waste only, however since it is registered as a TSDF appropriate TSDF violations were cited.

The company operator Mr. J. Pointek was advised that in order to clarify the company status, a closure plan needs to be submitted and followed for the SO2 activity. The BHWE was notified about the situation.

Form HWM-004
3/87

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
~~5th Fl., 401 E. State St., Trenton, N.J. 08625~~
2 BABCOCK PL. W. ORANGE, NJ. 07052

NOTICE OF VIOLATION

ID NO. NJD048797195 DATE Oct. 16. 89

NAME OF FACILITY REICHHOLD CHEMICAL INC. - CELLOMER CORP.

LOCATION OF FACILITY 46 ALBERT AVE, NEWARK, NJ. 07105

NAME OF OPERATOR JOSEPH POINTEK, - PL. MGR

You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.

DESCRIPTION OF VIOLATION NJAC 7:26-7.4(a)4vii - failing to provide the quantity of haz. waste (two manifests NJA0416329, NJA0416331;
NJAC 7:26-9.4(b)2 - no waste analysis plan
NJAC 7:26-9.4(f)3 - no inspections schedule
NJAC 7:26-9.4(f)6 - failing to record inspections in a log

Remedial action to correct these violations must be initiated immediately and be completed by Nov. 01. 89. Within fifteen (15) days of receipt of this Notice of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of $25,000 per violation.

Robert W. Cudor
Investigator, Division of Waste Management
Department of Environmental Protection

ATTACHMENT E-7

Form HWM-004
3/87

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
~~5th Fl., 401 E. State St., Trenton, N.J. 08625~~
23 ABCOCK PL. W. ORANGE, NJ. 07052

NOTICE OF VIOLATION

ID NO. NJD048797195 DATE OCT. 16. 89

NAME OF FACILITY REICHHOLD CHEM. Inc – CELLOMER CORP.

LOCATION OF FACILITY 46 ALBERT AVE, NEWARK, NJ. 07105

NAME OF OPERATOR JOSEPH POINTEK – PL. MGR

You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.

DESCRIPTION OF VIOLATION NJAC7:26-9.4(g) et seq – no personnel training at the facility.
NJAC7:26-9.6(f)1 – failing to familiarize P.D. & FD;
NJAC7:26-9.6(f)4 – failing to familiarize local hospital
NJAC7:26-9.7(f) – no home addresses of emerg. coordinator
NJAC7:26-9.7(i)2 – failing to submit contingency plan to PD. FD
NJAC7:26-9.8 et seq – no closure plan at the facility.

Remedial action to correct these violations must be initiated immediately and be completed by Nov. 01. 89. Within fifteen (15) days of receipt of this Notice of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of $25,000 per violation.

Bolesław Lochow

Investigator, Division of Waste Management
Department of Environmental Protection

ATTACHMENT E-8

Form HWM-004
3/87

73

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
~~5th Fl., 401 E. State St., Trenton, N.J. 08625~~
2 BABCOCK PL. W. ORANGE, N.J. 07052

NOTICE OF VIOLATION

ID NO. NJD 048797195 DATE OCT. 16 89

NAME OF FACILITY REICHHOLD CHEM. Inc. - CELLOMER CORP.

LOCATION OF FACILITY 46 ALBERT AVE, NEWARK, N.J. 07105

NAME OF OPERATOR JOSEPH POINTEK - PL. MGR

You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.

DESCRIPTION OF VIOLATION NJAC 7:26-9.4(d)5 - no daily inspections of the container storage area
NJAC 7:26-9.4(d)6 - storage of containers holding ignitable waste less than 50' from property line.

Remedial action to correct these violations must be initiated immediately and be completed by Nov. 01. 89. Within fifteen (15) days of receipt of this Notice of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of $25,000 per violation.

Brandon Crocker
Investigator, Division of Waste Management
Department of Environmental Protection

ATTACHMENT E-9

MANIFESTS

		YES	NO	N/A
7:26-7.4(a)4	Does each manifest have the following information? Please circle the elements missing and obtain a copy of the incomplete manifests. (List those manifests that are deficient on G-1).	—	X	—
7:26-7.4(a)4i	The generator's name, address and phone number.	X	—	—
7:26-7.4(a)4ii	The generator's EPA ID number.	X	—	—
7:26-7.4(a)4iii	The hauler(s) name, address phone number and NJ registration.	X	—	—
7:26-7.4(a)4iv	The hauler(s) EPA ID number.	X	—	—
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility.	X	—	—
7:26-7.4(a)4vi	The TSF's EPA ID number.	X	—	—
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility.	X	—	—
7:26-7.4(a)4vii	The name, type and quantity of hazardous waste being shipped, including such particulars as may be required regarding same?	—	X	—
7:26-7.4(a)4viii	Special handling instructions and any other information required on the form to be shipped by generator?	X	—	—

ATTACHMENT F

07-76

JOSEPH M. KEEGAN
CHAIRMAN

THOMAS J. CIFELLI
VICE CHAIRMAN

VINCENT CORRADO
ROBERT J. DAVENPORT
RICHARD M. GIACOMARRO
BEN W. GORDON
CHARLES A. LAGOS
COMMISSIONERS

PASSAIC VALLEY SEWERAGE COMMISSIONERS
600 WILSON AVENUE
NEWARK, N. J. 07105
(201) 344-1800

CARMINE T. PERRAPATO
EXECUTIVE DIRECTOR

ROCCO D. RICCI
CHIEF ENGINEER

CHARLES C. CARELLA
CHIEF COUNSEL

NORMAN E. DARMSTATTER
CLERK

January 11, 1982

Cellomer Corp.
46 Albert Avenue
Newark, N.J. 07105

RE: Industrial Sewer Connection Permit

ATTENTION: Louis Kaplan, V.P.

Dear Mr. Kaplan;

Enclosed you will find your Industrial Waste Permit for discharge into the PVSC system.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Frank P. D'Ascensio,
Superintendent of Industrial Waste Control

FPD/saj

CC: Dr. Marwan Sadat, NJDEP
Richard Baker, USEPA

ATTACHMENT F-1

CONDITIONS

A. General Prohibitions

(1) No person shall discharge or deposit or cause or allow to be discharged or deposited into the treatment works or public sewer any waste which contains the following:

(A) Explosive Mixtures. Pollutants which create a fire or explosion hazard to the treatment works, collection system or to the operation of the system. Prohibited materials include, but are not limited to, gasoline, kerosine, naphta, benzene, toluene, xylene, ethers, etc.

(B) Corrosive Wastes. Any waste which will cause corrosion or deterioration of the treatment works. All wastes must have a pH not less than 5 nor more than 9. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or fluoride compounds, etc.

(C) Solid or Viscous Wastes. Solid or viscous wastes which would cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the treatment works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides or fleshings, cinders, sand, stove or marble dust, glass, etc.

(D) Oils and Grease. (a) Any industrial wastes containing floatable fats, wax, grease or oils. (b) Any industrial wastes containing more than 100 mg/l of emulsified mineral oil or grease.

(E) Noxious Material. Noxious or malodorous solids, liquids or gases, which, either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.

ATTACHMENT F-3

(F) Radioactive Wastes. Radioactive wastes or isotopes of such half life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may, cause damage or hazards to the treatment works or personnel operating the system.

(G) Excessive Discharge Rate. Industrial wastes discharged in a slug of such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.

(H) Heat. (a) any discharge in excess of 150°F (65°C) (b) Heat in amounts which would inhibit biological activity in the PVSC treatment works resulting in a treatment process upset and subsequent loss of treatment efficiency, but in no case shall heat be introduced into the PVSC treatment works in such quantities that the temperature of the influent waters at the treatment plant exceed 40°C (104°).

(I) Unpolluted Waters. Any unpolluted water including, but not limited to, cooling water or uncontaminated storm water, which will increase the hydraulic load on the treatment system, except as approved by PVSC.

(J) Water. Any water added for the purpose of diluting wastes which would otherwise exceed applicable maximum concentration limits.

(2) No person shall discharge or convey, or permit to be discharged or conveyed, to the treatment works any wastes containing pollutants of such character or quantity that will:

(A) Not be susceptible to treatment or interfere with the

ATTACHMENT E-4

process or efficiency of the treatment system.

(B) Violate pretreatment standards. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category must immediately conform to the USEPA timetable as well as any numeric limitations imposed by USEPA. In addition, an industrial user shall comply with any more stringent standards as determined by PVSC or other agency.

(C) Cause the PVSC treatment plant to violate its NPDES permit, applicable receiving water standards, permit regulating sludge which is produced during treatment or any other permit issued to PVSC.

B. INSTALLATION OF SAMPLERS

The permittee shall install - 24 hour composite sampler acceptable to PVSC on outlet with attachments for affixing seals,
which shall be maintained in proper working order at all times. The installed samplers shall draw a sample, over each operating day, which shall be representative of plant waste.

A one quart or one liter aliquot shall be set aside by (9:00 A. M.) each operating day and refrigerated. A PVSC representative may pick up this sample during the day. Any sample not picked up by PVSC may be discarded at the end of that day.

ATTACHMENT F-5

C. EFFLUENT LIMITATIONS, MONITORING AND COMPLIANCE REQUIREMENTS

1. During the period beginning (1-15-82) and lasting through (1-15-82) the permittee is authorized to discharge from outlet(s) number (s) (20403700-43700-0201) Such discharges shall be monitored by the permittee as specified below.

Volume to be determined from flow meter reading.

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	~~MONTHLY AVERAGE~~	DAILY MAX.	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
BOD (0310)	X X X X X X X	X X X X X X X	TWICE/MONTH	24 HR COMP	QUARTERLY
TSS (0530)	X X X X X X X	X X X X X X X	TWICE/MONTH	24 HR COMP	QUARTERLY
VOLUME	X X X X X X X	X X X X X X X	X X X X X X X	X X X X X	QUARTERLY
pH	X X X X X X X	5-9	X X X X X X X	CONTINUOUS RECORDER	SEE PAGE 6 2-C

ATTACHMENT E-6

2. In addition to the monitoring required in Section C.1. the Permittee is required to meet the following schedule of compliance:

A. 1-15-82 Commence daily sampling of discharge.

B. 1-30-82 Permittee to install flow meter on outlet.

C. 3-15-82 Permittee to install pH recorder and have charts available for review by PVSC personnel on demand. Violation to be reported to PVSC in accordance with Section E.

ATTACHMENT F-7

D. Monitoring and Reporting

1. Monitoring results obtained during the previous (3) months shall be reported on the designated Discharge Monitoring Report, PVSC Form MR-1 or 2, postmarked no later than the (15th) day of the month following the completed reporting period. The first report is due on (4/15/82). Properly signed reports required herein shall be submitted to PVSC at the following address:

   Chief Engineer
   Passaic Valley Sewerage Commissioners
   600 Wilson Avenue
   Newark, New Jersey 07105

2. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

3. Test Procedures

   Test procedures for the analysis of pollutants shall conform to regulations contained in the PVSC Rules and Regulations, Federal, State and local laws or regulations.

4. Recording of Results

   For each measurement of a sample taken pursuant to the requirements of this permit, the permittee shall maintain a record of the following information:

   a) The date, exact place and the time of sampling;

   b) The dates the analyses were performed;

   c) The person(s) who performed the analysis;

   d) The analytical techniques or methods used; and

   e) The results of all required analyses.

ATTACHMENT F-8

5. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the locations (s) designated herein more frequently than required by this permit, using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Forms, (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.

6. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of (5) years.

7. Definitions

a. The "30 day average" discharge means the average of daily values for 30 consecutive monitoring days. For the purpose of enforcement of Pretreatment Standards, consecutive samples taken and analyzed shall be considered as being taken on consecutive days even though one or more non-sampling days intervene. In applying the Pretreatment Standards where more than one but less than 30 samples have been taken and analyzed during any month, a formula, specified by USEPA, will be used to calculate the "30 day average".

b. The "daily Maximum" discharge means the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.

c. "Daily" - each operating day.

d. "Weekly" - one day each week during a normal operation day.

e. "Monthly - one day each month during a normal operating day.

f. "Composite - a combination of individual samples obtained at regular intervals over the entire discharge day.

ATTACHMENT E-

The volume of each sample shall be proportional to the discharge flow rate unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For continuous discharges of 12 to 24 hours, individual samples shall be taken at equal intervals and at least once per hour. For continuous discharges of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of plant waste.

g. "Grab" - an individual sample collected in less than 15 minutes.

h. "Quarterly" - every three (3) months.

i. "N/A" - not applicable.

E. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or modification which will result in new, different, or increased discharges of pollutants must be reported by submission of a new PVSC Sewer Connection Application or, if such changes will not violate the effluent limitations specified in this permit, by notices to PVSC of such changes. Following such notices, the permit may be modified to specify and limit any pollutants not previously limited.

2. Noncompliance Notification

If, for any reason, the permittee does not comply with, or will be unable to comply with any effluent limitation specified in this permit, the permittee shall notify PVSC within 24 hours of the occurrence. If this report is made orally, a written report containing the following information, shall be submitted within five (5) working days:

a. a description of the discharge and the cause of the period of noncompliance;

b. the period of noncompliance, including exact dates and times, or, if not corrected, the anticipated time the noncompliance is expected to continue, and

c. the steps being taken to reduce, eliminate and prevent a recurrence of the noncomplying discharge.

3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all pretreatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from non-compliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or

welfare to the local environment or which interferes with the operation of the PVSC Treatment Works.

5. Removed Substances

Solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of intake waters shall be disposed of in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to PVSC for review upon request.

F. MANAGEMENT RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the authorized representatives of PVSC, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring methods required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall, in writing, notify the succeeding owner or controller of the existence of this permit, and the need to apply for a new permit, a copy of which shall be forwarded to PVSC.

3. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, or revoked in whole or in part during its terms for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

4. Toxic Pollutants

Notwithstanding (Section C), above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307 (b) of the Federal Water Pollution Control Act (the Act), its amendments, or any other subsequent law or regulation, for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

5. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

6. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to

any applicable State Law or regulation under authority preserved by Section 510, of the Federal Water Pollution Control Act. (The Act)

7. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

8. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

ATTACHMENT F-1c

PA-SOIL VOL. 8

WATER ANALYSIS

GARDEN STATE LABORATORIES, INC.

Certified by U. S. Public Health Service & N. J. Dept. of Environmental Protection

399 Stuyvesant Avenue
Irvington, N. J. 07111

Telephone
201-373-8007

MATHEW KLEIN, M.S., Director

Cellomer Corp.

MICROBIOLOGICAL AND CHEMICAL WATER ANALYSIS

SAMPLE:

Tues. 2/2/82.

	Effluent Water 2-1
COLIFORM: Presumtive Test, Tubes "Positive' in 10 ml	
Confirmed Test, Tubes "Positive' in 10 ml	
M.P.N. Per 100 ML. (Most Probable Numer)	
FECAL COLI—Per 100 ml	
TOTAL PLATE COUNT @ 35° C Bacteria per ml	
pH	4.54
Chlorine mg/l	
Total Hardness—mg/l-$CaCo_3$	
Biochemical Oxygen Demand	450.
Total Suspended Solids	8.

*— Coliform by membrane filter technique—100ml.

REMARKS— ☐ CONFORMS TO STATE STANDARDS FOR SANITARY QUALITY AND POTABILITY.
☐ UNSATISFACTORY.

ATTACHMENT F-15

GARDEN STATE LABORATORIES, INC.

Certified by U. S. Public Health Service & N. J. Dept. of Environmental Protection

399 Stuyvesant Avenue
Irvington, N. J. 07111

Telephone
201-373-8007

MATHEW KLEIN, M.S., Director

Cellomer Corp.

MICROBIOLOGICAL AND CHEMICAL WATER ANALYSIS

SAMPLE:

Tues. 1/19/82.

Effluent Water

COLIFORM: Presumtive Test, Tubes "Positive" in 10 ml	
Confirmed Test, Tubes "Positive" in 10 ml	
M.P.N. Per 100 ML. (Most Probable Numer)	
FECAL COLI—Per 100 ml	
TOTAL PLATE COUNT @ 35°C Bacteria per ml	
pH	6.51
Chlorine mg/l	
Total Hardness—mg/l-$CaCo_3$	
Biochemical Oxygen Demand	29.
Total Suspended Solids	11.

*— Coliform by membrane filter technique—100ml.

REMARKS— ☐ CONFORMS TO STATE STANDARDS FOR SANITARY QUALITY AND POTABILITY.
☐ UNSATISFACTORY.

ATTACHMENT F-16

Townley RESEARCH AND CONSULTING, INC.
CHEMISTRY • MICROBIOLOGY
RELATED SCIENCES
591 SOMERSET STREET, NORTH PLAINFIELD, N. J. 07060 • (201) 757-1137

ATTACHMENT F-17

July 31, 1981

Cellomer Corporation
46 Albert Ave.
Newark, N.J. 07105

Gentlemen:

Herewith our findings for the analysis of one sample of Wastewater Discharge to Passaic Valley Sewerage Commission:

TRC Sample: 2888
Source: Wastewater Discharge to P.V.S.C.

Suspended solids, mg/l.	20.5
BOD, 5-day, ppm.	2630

Very truly yours,

Gary J. Gilbert

Gary J. Gilbert

07-76

Keegan Technology
Testing Associates, Inc.
119-123 Farris Street • Newark N J 07105
201-589-1270

DATE: 2-19-81
JOB NO:
ATTENTION: Mr. L. A. Kaplan
RE: PVSC - Water Analysis

TO: Cellomer Corporation
46 Albert Avenue
Newark, New Jersey 07105

GENTLEMEN:

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via U.S. Mail the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☒ TEST

COPIES	DATE	NO.	DESCRIPTION
1	12-19-81	1	ANALYSIS OF H_2O SUBMITTED BY YOU

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit ____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit ____ copies for distribution
☒ As requested ☐ Returned for corrections ☐ Return ____ corrected prints
☐ For review and comment ☐ ____
☐ FOR BIDS DUE ____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

COPY TO

ATTACHMENT F-18

27. Analysis listed below is based on a composite sample of industrial waste taken from the following outlets listed in Section E:

_____

(See instructions for proportioning samples from more than one outlet)

28. Analytical Data: Concentration values are to be reported in mg/l (ppm) unless specified otherwise; analyze waste for those parameters marked with an asterisk (*), analyze waste for other parameters reasonably expected to be present. Code numbers are for internal use only.

REPORT TO THE NEAREST UNIT: X (EXAMPLE: 150 mg/l)		
CODE	PARAMETER	VALUE
* 0100	Color (Apha Units)	25
0200	Radioactivity (PL-1)	-
* 0500	Total Solids	12,170 mg/L
* 0505	Total Volatile Solids	11,577 mg/L
* 0510	Total Mineral Solids	593 mg/L
* 0530	Total Suspended Solids	7 mg/L
* 0540	Volatile Suspended Solids	7 mg/L
* 0550	Mineral Suspended Solids	Nil
* 0070	Turbidity (JTU)	2.5 (NTU)
0550	Emulsified Oil or Grease	-
* 0940	Chlorides	160 mg/L
* 0945	Sulfates	24 mg/L
* 0310	Biochemical Oxygen Demand (BOD)	4150 mg/L
* 0340	Chemical Oxygen Demand (COD)	22,300 mg/L
* 0680	Total Organic Carbon (TOC)	10,590 mg/L

REPORT TO THE NEAREST TENTH: 0.X (EXAMPLE 1.6 mg/l)		
CODE	PARAMETER	VALUE
0745	Sulfide	
0740	Sulfite	
8260	Surfactants (MBAS)	
* 9000	pH (standard units) (range)	2.66
0625	Kjeldahl N as N	
0610	Ammonia as N	
0620	Nitrate as N	
0615	Nitrite as N	
0507	Ortho Phosphates as P	

ATTACHMENT F-19

REPORT TO THE NEAREST HUNDREDTH: 0.XX
(EXCEPT WHERE INDICATED)
(EXAMPLE: 0.36 mg/l)

CODE	PARAMETER	VALUE
1097	Antimony (Sb)	
1002	Arsenic (As)	
1022	Boron (B)	
1027	Cadmium (Cd)	
1034	Chromium Total (Cr)	
1042	Copper (Cu)	
1045	Iron (Fe)	
1051	Lead (Pb)	

REPORT TO THE NEAREST HUNDREDTH: 0.XX
(EXCEPT WHERE INDICATED)
(EXAMPLE: 0.36 mg/l)

CODE	PARAMETER	VALUE
* 1900	Mercury (Report to 0.XXX)	less t .0005 mg
1067	Nickel (Ni)	
1147	Selenium (Se)	
1077	Siver (Ag)	
1102	Tin (Sn)	
1092	Zinc (Zn)	
4053	Pesticides (Report to 0.XXX)	
2730	Phenol	

29. Samples collected by: *Client* Date: _____

30. Samples analyzed by: *Keegan Technology & Testing Associates, Inc.* Date: *2-19-81*

Products being manufactured when sample was collected: _____

_____

rtification:

- information contained in Part II of this application is familiar to me and, to best of my knowledge and belief, such information is true, complete, and accurat

the applicant is a corporation, a corporate resolution is attached granting me th thority to sign the application on behalf of the corporation.

31. Name of Signing Official: _____

Title: _____

_____ Date

_____ Signature

ATTACHMENT F-20

ATTACHMENT G

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

MEMO

TO Ron Corcory

FROM Tony McMahon DATE November 18, 1981

SUBJECT SCA/Earthline, Newark

In the course of the Criminal Justice investigation of the SCA Newark facility and an incident involving the death of a sewer worker, it was determined [redacted] Although it does not appear that these discharges are related to the fatal incident, they may be violations of N.J.A.C. 7:26-2.2(b) & (c).

The companies were identified by measuring [redacted] (Lower Explosion Limit) values in the PVSC sewer near SCA. In addition, a review of our Air Pollution files indicates these companies handle [redacted] including toluene, xylene and ethylbenzene.

The companies in question are:

[redacted]
Sherwin Williams
Benjamin Moore

These plants are all located within a few blocks of SCA. Criminal Justice believes Cellomer to be the most likely in violation.

[redacted] please advise

Anthony J. McMahon

ajm

c: Mr. Londres
Ms. Radow
Mr. Madonna

ATTACHMENT G-1

ATTACHMENT H

07-76

ADM-012

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

MEMO

TO Edward J. Londres through Ellen Radow

FROM Anthony J. McMahon DATE November 19, 1981

SUBJECT Earthline/SCA, Newark

At the Executive Enforcement Committee meeting on May 28, 1981, it was agreed that a work group on Earthline would be formed. The purpose of the work group was to coordinate investigation of Earthline concerning an incident in which a construction worker was killed by toxic fumes in a Newark sewer on April 3, 1981. The Division of Criminal Justice was also investigating the incident. Their investigation included a search of the Earthline facility on May 1, 1981.

The DEP investigation is now complete and the following conclusions and recommendations are offered:

Conclusions

1. The Criminal Justice investigation of the incident has been concluded. They have been unable to identify the specific pollutant which cause the death of the sewer worker and they have been unable to link any Earthline discharge with the incident. No criminal action against Earthline is anticipated.

2. The DEP investigation of the incident can now also be concluded. We have also failed to identify substantial violations of N.J.A.C. by Earthline and we have not associated any Earthline discharges with the fatal incident.

3. Company has violated several conditions of their Engineering Design. These violations are not related to the sewer death.

4. Earthline's current Engineering Design is in need of upgradings, in addition, the Department's familiarity and understanding of Earthline's waste treatment process is somewhat deficient.

5. [redacted] These discharges may have contributed to the worker's death and to the high lel's in the sewer.

6. The Polk Street sewer regulator chamber (the site of the fatal-incident) may have inherent design flaws which may promote organic vapor build-up thus contributing to the worker's death.

ATTACHMENT H-1

Recommendations

1. The Division of Environmental Quality should proceed with issuance of Order and NOP's on violations noted during the investigation. These are now being put in final form.

2. The Bureau of Hazardous Waste - A thorough review of Earthline's Engineering Design should be conducted. In addition, the implementation of the approved design must be verified by on-site inspection. The company should not be permitted to operate in those areas where the Engineering Design is deficient or not implemented completely.

3. Bureau of Hazardous Waste - Routine hazardous waste inspections should be expanded to include close evaluations of specific operations at the facility. A more clear understanding of the waste provessing is important in regulating this facility.

[redacted]

5. Division of Water Resources - Meet with PVSC to discuss and review the Polk Street sewer regulator chamber design.

Memoranda initiating the above recommended actions are being prepared.

Anthony J. McMahon

ajm

c: Mr. Onsdorff
Executive Enforcement Committee

ATTACHMENT H-2

ATTACHMENT I

07-14-45

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 028, Trenton, N.J. 08625

MARWAN M. SADAT, P.E.
DIRECTOR

LINO F. PEREIRA, P.E.
DEPUTY DIRECTOR

- 5 JUN 1984

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Cellomer Corporation
46 Albert Avenue
Newark, NJ 07105

RE: Delinquent Part A Permit Application

Dear Sir/Madam:

Pursuant to the Resources Conservation and Recovery Act (RCRA), 42 U.S.C. §6901, the United States Environmental Protection Agency (EPA) is charged with the regulation of hazardous wastes. On February 2, 1983, the State of New Jersey was granted interim authorization in accordance with Section 3006(c) of RCRA to operate its hazardous waste program in lieu of Phase I of the Federal hazardous waste program. The effect of this change was that generators, transporters, and owners and operators of hazardous waste management facilities in New Jersey will be subject to the State of New Jersey hazardous waste regulations (N.J.A.C. 7:26-1 et seq.) in lieu of the Federal hazardous waste program (40 CFR Part 260-263 and 265). N.J.A.C. 7:26-12.3 required all parties handling certain quantities of hazardous wastes to notify USEPA of their activity by August 18, 1980 as required by Section 3010 of RCRA. Pursuant to that requirement, you submitted to the EPA a notification as a hazardous waste treatment, storage and disposal (TSD) facility.

N.J.A.C. 7:26-12.3 required that all existing facilities file a Part A application for the facility in accordance with 40 CFR 122.22 by November 19, 1980. Compliance with the notification and application requirements is mandatory before a facility can achieve interim status hazardous waste authority. A facility which has not achieved interim status is not eligible to treat, store or dispose of hazardous waste. As of the date of this letter, information available to the New Jersey Department of Environmental Protection (NJDEP) indicates that no Part A application has been filed for the above referenced site and that no request for revision or withdrawal of your submittal notification as a TSD facility has been received by the NJDEP.

ATTACHMENT I-1

ATTACHMENT J

Jeff
F.T.I, share
with B.C. let him
file this.

PREPARED FOR

U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION II
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278
AND
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGE
BUREAU OF HAZARDOUS WASTE ENGINEERING
32 EAST HANOVER STREET
TRENTON, NEW JERSEY 08625

RESOURCE CONSERVATION AND RECOVERY ACT (RCTA) PERMIT APPLICATION PART A

FACILITY I.D. NJD 048797135

DEC 2 1 1989

AUGUST 7, 1984

Jeff Stalings
MBRE

PREPARED BY

CELLOMER CORPORATION
(DIVISION OF POLYCHROME CORPORATION)
46 ALBERT AVENUE
NEWARK, NEW JERSEY 07105
201-589-3875

ATTACHMENT J-1

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 NJ D 04 87 9 7 13 5 D

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.

LABEL ITEMS

I. EPA I.D. NUMBER: NJ D 048797135

DEC 21 1989

III. FACILITY NAME: CELLOMER CORPORATION

V. FACILITY MAILING ADDRESS: 46 ALBERT AVENUE, NEWARK, NEW JERSEY 07105

VI. FACILITY LOCATION

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 SKIP CELLOMER CORPORATION

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*: 2 LOUIS KAPLAN

B. PHONE *(area code & no.)*: 201 589 3875

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 46 ALBERT AVENUE

B. CITY OR TOWN: 4 NEWARK

C. STATE: NJ

D. ZIP CODE: 07105

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 46 ALBERT AVENUE

B. COUNTY NAME: ESSEX

C. CITY OR TOWN: 6 NEWARK

D. STATE: NJ

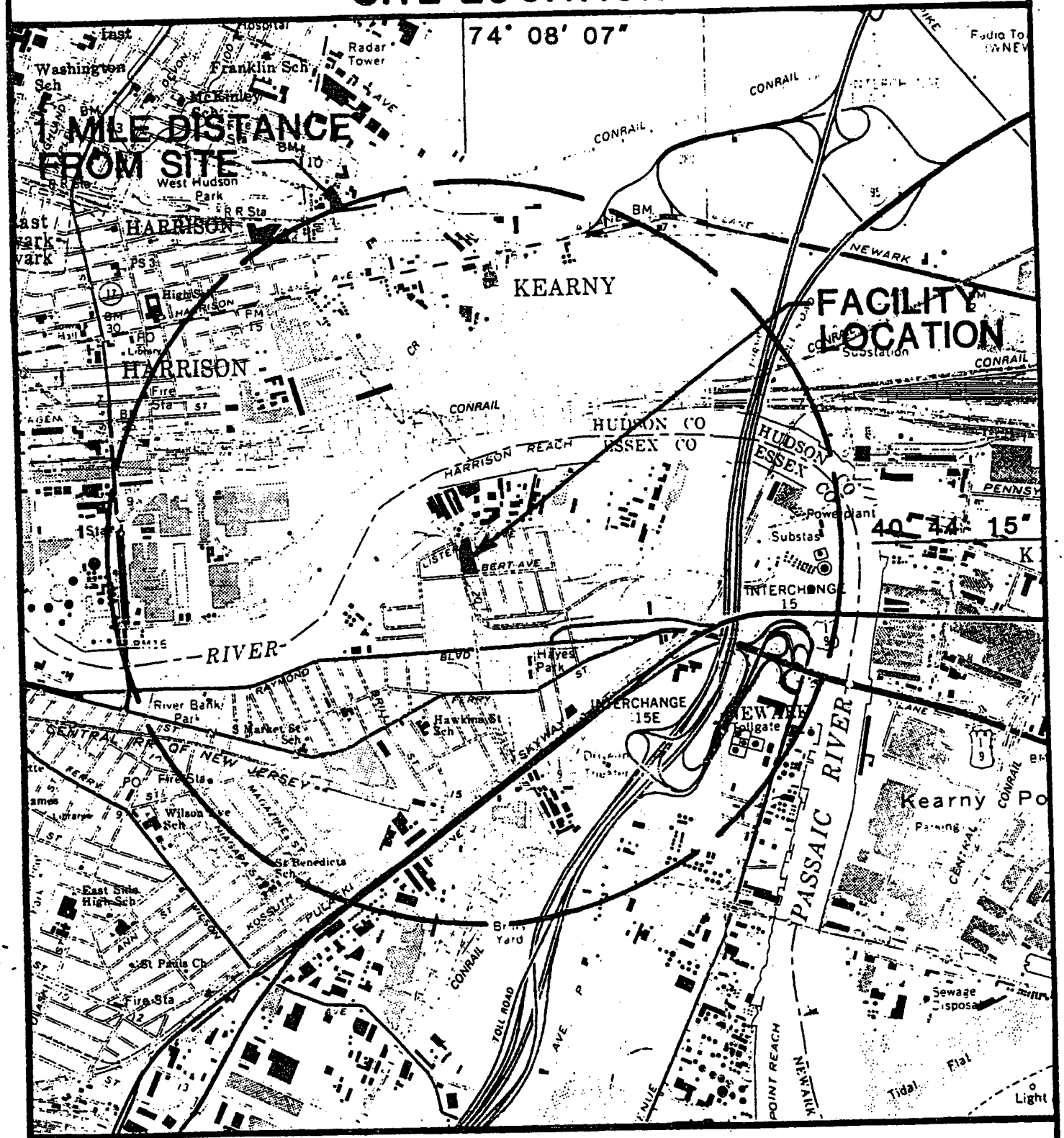
E. ZIP CODE: 07105

F. COUNTY CODE *(if known)*:

ATTACHMENT J-2

CONTINUE ON REVERSE

CELLOMER CORPORATION
SITE LOCATION



COMPOSITE OF U.S.G.S.
7½-MINUTE QUADRANGLES
OF JERSEY CITY, WEEHAWKEN,
ELIZABETH AND ORANGE, N.J.

1000 0 1000 2000 3000

SCALE IN FEET

N

ATTACHMENT J-3

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 characters [illegible])

Approved OMB No. [illegible]

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.)

EPA I.D. NUMBER: F NJD048797135 T/A C 1

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

I. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your 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.)*

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
66	09	01

[ ] 2. NEW FACILITY *(Complete item below.)*

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

YR.	MO.	DAY

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

[ ] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

II. 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

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 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)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S01	2500	G		7				
2	S02	4000	G		8				
3					9				
4					10				

CONTINUE ON REVERSE

ATTACHMENT J-4

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.

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	ATTACHMENT J-5
X-4	D002				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)		FOR OFFICIAL USE ONLY	
W N J D 0 4 8 7 9 7 1 3 5	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	D001	328,000	P	S02	
2	D001	72,000	P	S01	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

ATTACHMENT J-6

CONTINUE ON REVERSE

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)*

F N J D 0 4 8 7 9 7 1 3 5 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)*
40 44 15	074 08 07

VIII. FACILITY OWNER

[X] 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	

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F	G		

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
LOUIS KAPLAN, VICE PRESIDENT	Louis Kaplan	8/7/84

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.

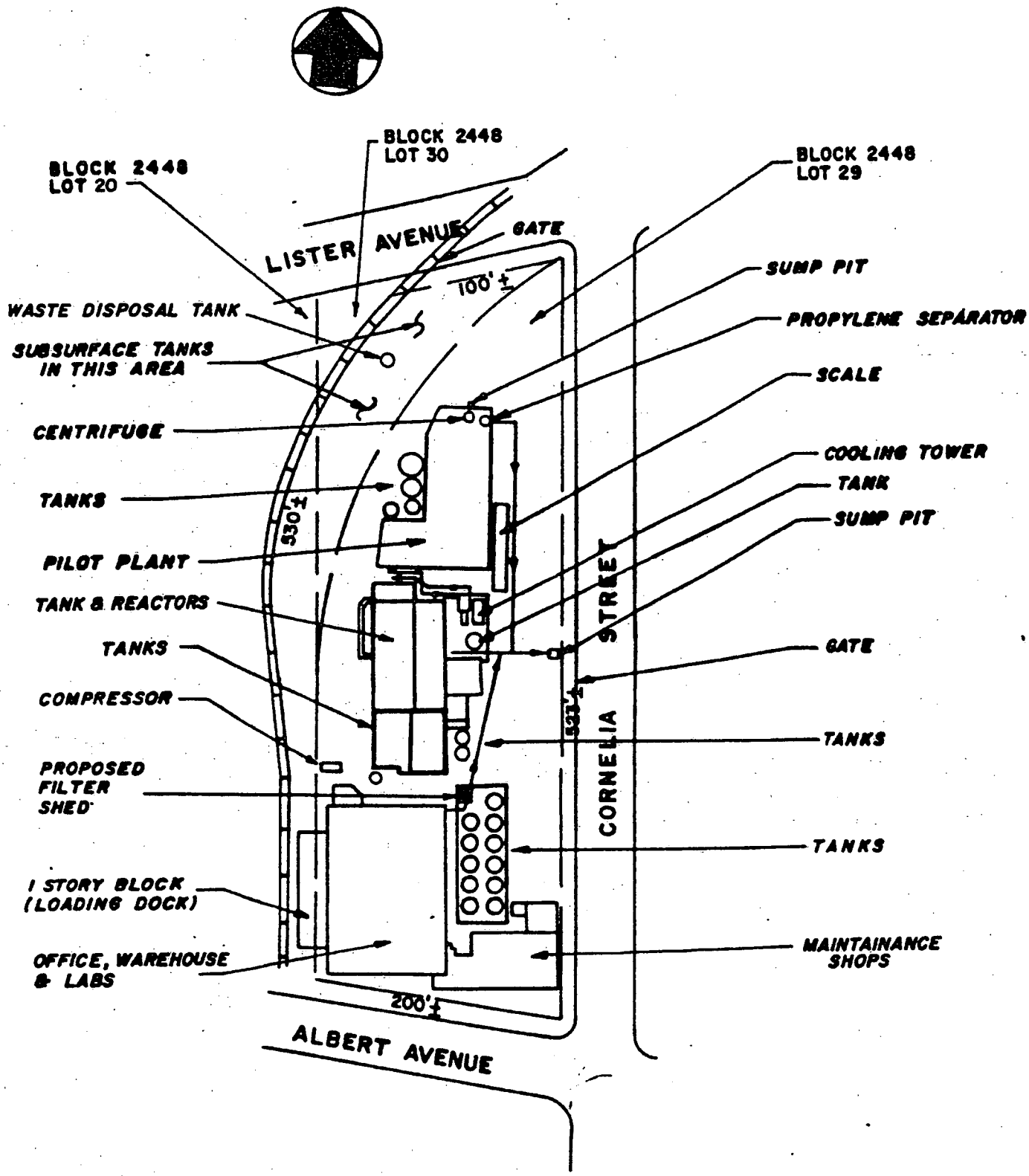
ATTACHMENT J-7

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
LOUIS KAPLAN, VICE PRESIDENT	Louis Kaplan	8/7/84

CONTINUE ON PAGE 5

Continued from page 4.

V. FACILITY DRAWING (see page 4)



SCALE: 1" = 100'

ATTACHMENT J-8

CONTINUED FROM THE FRONT

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

A. FIRST	B. SECOND
2821 (specify) Alkyd Resin Manufacturing	(specify)
C. THIRD	**D. FOURTH**
(specify)	(specify)

III. OPERATOR INFORMATION

A. NAME: CELLOMER CORPORATION

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) CORPORATION

D. PHONE (area code & no.): A 201 589 3875

E. STREET OR P.O. BOX: 46 ALBERT AVENUE

F. CITY OR TOWN: NEWARK | G. STATE: NJ | H. ZIP CODE: 07105

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): 9P
B. UIC (Underground Injection of Fluids): U	E. OTHER (specify): 9 (specify)
C. RCRA (Hazardous Wastes): R	E. OTHER (specify): 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property 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)

Manufacture of alkyd resins and manufacture of photographic chemicals

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
LOUIS KAPLAN, VICE PRESIDENT	Louis Kaplan	5/7/81

COMMENTS FOR OFFICIAL USE ONLY

C

ATTACHMENT J-9

ATTACHMENT K

Because the vessel was a portable container, it did not require approval from NJDEP in accordance with N.J.A.C. 7:26-9.3(b). The vessel was removed from service and emptied in June, 1989 because the particular operation which generated the water/acetone waste was scaled down, making 55-gal drums a more convenient handling method. In December, 1989, the tank was cut up and properly disposed. You will note that this container and all hazardous waste drums at the plant have always been inspected regularly and pumped out and properly disposed of in less than 90 days.

As per the suggestion of Mr. Sharples, I hereby request NJDEP to formally delist Reichhold's facility in Newark, Albert Avenue from RCRA TSD status. In retrospect, the RCRA Part A application submitted to NJDEP and EPA in 1984 was not necessary and was submitted based on a mis-reading of NJDEP regulations. The plant has and will continue to operate under the 90-day status which exempts it from obtaining a RCRA permit to operate.

Finally, I wish to address the NJDEP's $18,500 fine which was based on violations of NJDEP's TSD regulations. Margaret Elsishans (NJDEP/Bureau of Compliance and Technical Services) said the fine was based on four (4) TSD violations and one (1) 90-day generator violation. The TSD violations, in light of my explanation above, are without merit. The 90-day generator violation (storing hazardous waste less than 50 ft from the property line) has been corrected. The fine should be adjusted to reflect these changes.

Please feel free to call me at (914) 682-5898 if you have any further questions on this matter. I understand that NJDEP, like Reichhold, is interested in resolving this matter soon and that we can expect to be issued a delisting letter from NJDEP by the end of June.

Thank you for your cooperation.

Sincerely,

Paul Brustofski

P. Brustofski, P.E.
Region Environmental Engineer

PB/dm

cc: D. Bright - RCI/Raleigh
B. Czachor - NJDEP/Trenton
M. Elsishans - NJDEP/Trenton
M. Gasparik - RCI/Newark, Albert Ave.
N. Nikjou - NJDEP/Trenton
J. Pointek - RCI/Newark, Albert Ave.
J. Rankin - RCI/Newark, Doremus Ave.
W. Sharples - NJDEP/Trenton
R. Strobel - PHKS/Morristown

Attachment

ATTACHMENT K-

ATTACHMENT K

07-14-45

Reichhold Chemicals, Inc.
Corporate Headquarters
525 North Broadway
White Plains, New York 10603

MAY 24

May 21, 1990

REICHHOLD

New Jersey Department of Environmental Protection
Mr. Tom Sherman
Bureau Chief
Bureau of Hazardous Waste Engineering
33 Arctic Parkway
Trenton, NJ 08625

Re: Reichhold Chemicals (formerly Cellomer Corp.)
46 Albert Avenue, Newark, NJ 07105
EPA I.D. No. NJD048797195

Dear Mr. Sherman:

On May 3, 1990 Bill Sharples and Nader Nikjou of your office visited Reichhold's Newark, NJ plant on Albert Avenue regarding the RCRA status of the facility. (See site map attached)

After our meeting and walkthrough of the facility, we concluded that a RCRA Part A application submitted to NJDEP and EPA on August 7, 1984 was made in error. Page 1 of the form shows a 4,000 gal above ground lined steel tank which stored hazardous waste. The alleged "tank" was, in fact, a portable "container" as defined under N.J.A.C.
7:26-1.4 Definitions:

> "Container" means any portable device in which a material is stored, transported, treated, disposed of, or otherwise handled.

The following characteristics of the tank indicate that it should have been reported as a "container" and not a "tank":

1. The vessel was portable and was mounted on skids so as to facilitate its movement. Because of the skid-mount, the vessel was above the surface of the ground and accessible for inspection at all times.

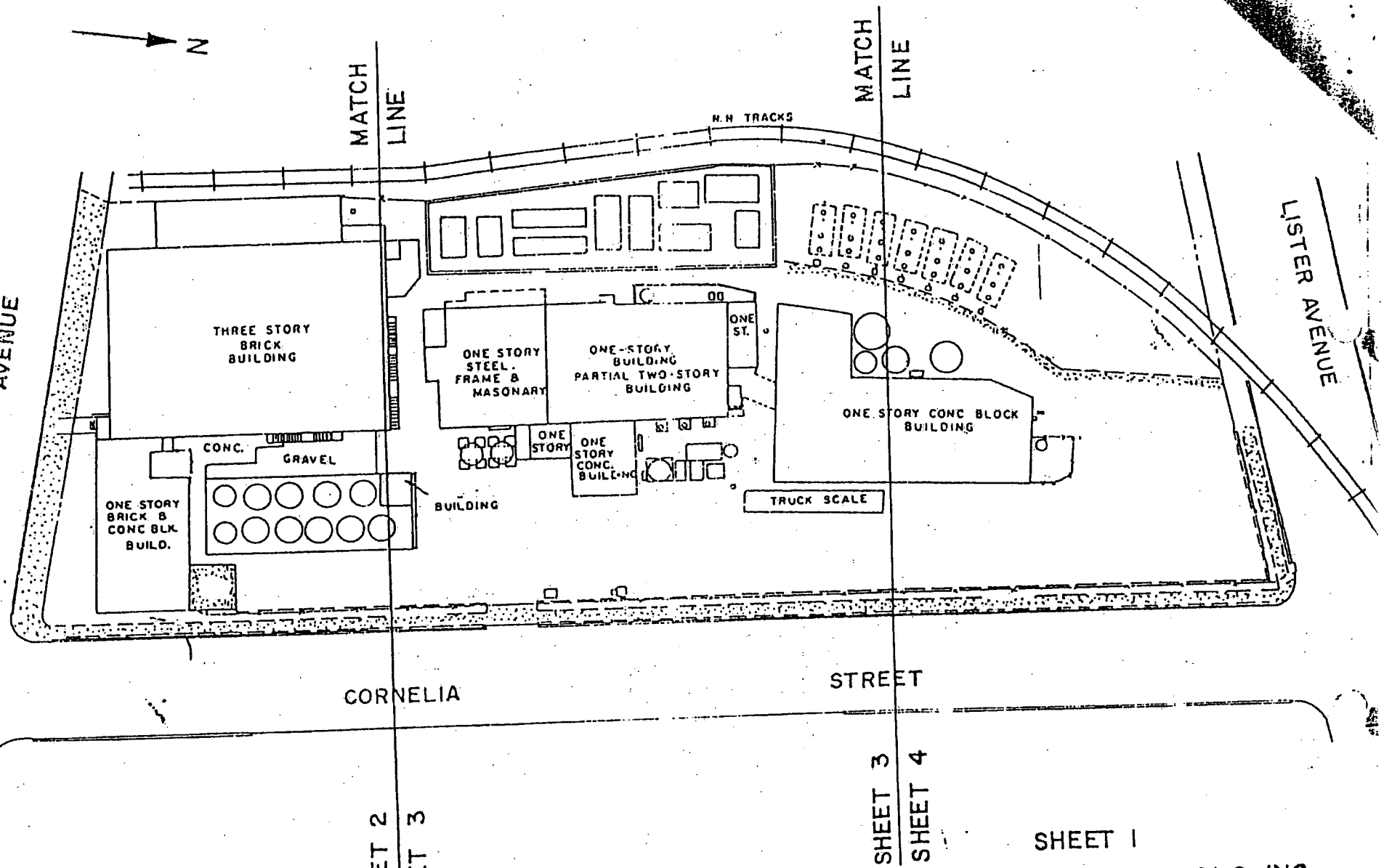
2. The vessel was <u>not</u> bolted or fastened in any way to a permanent structure or surface.

3. The vessel was <u>not</u> hard-piped for the purposes of filling or emptying. (Material was pumped to and from the tank by way of flexible hosing.)

4. The vessel was moved with a forklift truck for the convenience of plant operations and material handling.

Tel (914) 682-5700
Telecopier (914) 682-5800
Telex 6818190
Cable Beckacite White Plains

ATTACHMENT K-1



SHEET 1
REICHHOLD CHEMICALS, INC.
46 ALBERT AVENUE
NEWARK, NEW JERSEY.

SCALE: 1" = 60'

SEE ENLARGED SHEETS FOR DETAILS

ATTACHMENT K-2

ATTACHMENT L

HM-033-90 07-14-45

Reichhold Chemicals, Inc.
Corporate Headquarters
525 North Broadway
White Plains, New York 10603

REICHHOLD

March 19, 1990

RECEIVED
MAR 27 1990
BUREAU OF COMPLIANCE & TECHNICAL SERVICES
FEB 25 1991

New Jersey Department of Environmental Protection
Mr. Tom Sherman
Bureau Chief
Bureau of Hazardous Waste Engineering
33 Arctic Parkway
Trenton, NJ 08625

Re: Reichhold Chemicals (formerly Cellomer Corp.)
46 Albert Ave, Newark, NJ 07105
NJD048797195

Dear Mr. Sherman:

On March 19, 1990 I spoke with Mr. Nadar Nikjou of your office regarding the RCRA status of Reichhold Chemicals facility at Albert Avenue, Newark.

Recently, as you know, this facility was the subject of a routine RCRA inspection by NJDEP's Enforcement Branch in West Orange. It came to our attention that the plant was registered as a Hazardous Waste Facility, based on a RCRA Part A application filed in 1984 with NJDEP.

As I mentioned to Mr. Nikjou, Reichhold's understanding is that the Part A application was submitted in error. The form indicates that the facility will "treat, store, or dispose of hazardous waste." However, since the inception of RCRA in 1980, the plant has disposed of hazardous waste in less than 90 days. Hazardous wastes are stored in one above ground tank and 55-gallon drums. All wastes are properly labelled, stored and disposed of in less than 90 days. The indication that the facility "stores" hazardous waste is a clerical error.

I have contacted EPA Region II, Permits Administration Branch, in New York on this matter. EPA's file shows this facility as a generator only. You will also note that NJDEP has treated this facility as a generator only since the Part A was filed in 1984 and no request for the Part B has been made.

Reichhold wishes to correct the improper RCRA status of its Albert Ave., Newark plant as quickly as possible, especially because of the pending RCRA violations which are based on the mistaken RCRA status. Reichhold requests that these violations be withdrawn and that its RCRA status be formally recognized as generator only.

Tel. (914) 682-5700
Telecopier: (914) 682-5800
Telex: 6818190
Cable: Beckacite White Plains

ATTACHMENT L-1

ATTACHMENT M

07-14-4)

Reichhold Chemicals, Inc.
Coating Polymers & Resins Division
400 Doremus Avenue
Newark, NJ 07105

RECEIVED
JUL 13 1992

REICHHOLD

N.J.D.E.P.E.
2 Babcock Place
West Orange, N.J. 07052
Attn: Mr. Arnold Schiff

July 8, 1992

Dwm 92-07-07-1026

Dear Mr. Schiff,

Pursuant to our conversation of July 8th, the following is a summary of the incident which occurred on July 7th, at the Reichhold Chemicals Inc. facility, located at 46 Albert Ave., Newark, NJ.

At 7:30 am on July 7th, approximately 400 gallons of a partially reacted saturated polyester resin was released onto the roof of the production building. Because the roof is pitched, a small amount of resin dripped onto the ground below. Absorbent material was in place to capture the dripping material. All of the resin reaching the ground was contained and removed.

The incident was caused by the activation of a rupture disk during the manufacture of the above listed product. Similar to a pressure relief valve, a rupture disk is a device which is designed to release excess pressure from inside a tank, or reaction vessel.

Reichhold contacted it's spill contractor, American Industrial Marine Inc. for the removal of the spilled material from the roof and surrounding area. All of the material has been contained in drums and is awaiting disposal at an authorized TSDF.

A copy of the material safety data sheet for the spilled material is enclosed. Please note that the spilled material did not contain the solvent as listed on the MSDS. The solvent is added for thinning purposes at the end of the process.

Please contact me if you have any further questions regarding this matter.

Very Truly Yours,

Robert Naujelis

Robert Naujelis
Site Manager
Doremus Ave. Plant

(201) 589-3709
(201) 817-9173 (Facsimile)

ATTACHMENT M-1

MATERIAL SAFETY DATA SHEET

Information Telephone No. 800-874-5403

REICHHOLD CHEMICALS, INC.
Coating Polymers & Resins Division
P. O. Box 13582
Research Triangle Park, NC 27709

ALL CHEMICAL EMERGENCIES
1-800-424-9300

Product Code: 16-931

Issue Date: 02/10/92

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:

The OSHA PEL and ACGIH TLV for xylene are currently set at 100 ppm for an 8-hour TWA. The STEL for xylene is currently set at 150 pmm.

The OSHA PEL and the ACGIH TLV for ethyl benzene is 100 ppm for an 8-hour TWA and 125 ppm for a 15-minute STEL.

The OSHA PEL and ACGIH TLV for cumene are currently set at 50 ppm for an 8-hour TWA.

There is no OSHA PEL or ACGIH TLV currently established for 1,2,4-trimethylbenzene

There is currently no OSHA PEL or ACGIH TLV for the C9-C11 aromatic hydrocarbons in this product.

EFFECTS OF OVEREXPOSURE:

SKIN: This material may cause defatting and irritation of skin. Prolonged or repeated contact may cause dermatitis.

INHALATION: Excessive exposure to vapors or spray mists can result in headache, dizziness, incoordination, nausea and loss of consciousness. Some reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

EYES: This material may be an eye irritant.

Laboratory animals exposed to high doses of xylene showed evidence of effects in the liver, kidney, lungs, spleen, heart and adrenals. Rats exposed to xylene vapor during pregnancy showed embryo/fetotoxic effects.

FIRST AID:

SKIN: Wash with soap and water immediately.

EYES: Flush with large quantities of water for 15 minutes and seek medical attention.

INGESTION: If ingested DO NOT induce vomiting, keep person warm, quiet, and get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

INHALATION: Remove victim to fresh air immediately. If coughing, difficult breathing or any other respiratory symptoms develop, seek medical attention at once.

PRIMARY ROUTE(S) OF ENTRY:

Inhalation.

Skin contact.

CARCINOGENICITY:

This product does not contain 0.1% or more of any substance which is listed as a carcinogen by IARC, NTP or OSHA.

This information is furnished without warranty, representation inducement or license of any kind, except that is accurate to the best of Reichhold Chemicals, Inc. knowledge, or obtained from sources believed by Reichhold Chemicals, Inc. to be accurate, and Reichhold Chemicals, Inc. does not assume any legal responsibility for use or reliance upon same. Customers are encouraged to conduct their own tests. Before using any product, read its label.

ATTACHMENT M-3

REICHHOLD CHEMICALS, INC.
Coating Polymers & Resins Division
P. O. Box 13582
Research Triangle Park, NC 27709

ALL CHEMICAL EMERGENCIES
1-800-424-9300

Product Code: 16-931

Issue Date: 02/10/92

SECTION VI - REACTIVITY DATA

STABILITY: [ ] Unstable [x] Stable

HAZARDOUS POLYMERIZATION: [ ] May occur [x] Will not occur

INCOMPATIBILITY:
Avoid contact with strong oxidizing agents.

CONDITIONS TO AVOID:
Warm storage and ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS:
Incomplete combustion can yield carbon monoxide and toxic vapors.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite or sand and place material into a closed container. If large spill, dike area to prevent this material from entering water systems or sewers. Wear protective equipment during cleanup.

This material contains the following ingredients which, if spilled or released in quantities equal to or greater than the Reportable Quantity (RQ), are subject to the reporting requirements of CERCLA and/or SARA (40 CFR Parts 302 & 355):

Xylene	RQ Value = 1000 lbs.
Ethyl Benzene	RQ Value = 1000 lbs.
Cumene	RQ Value = 5000 lbs.

WASTE DISPOSAL METHOD:
This material has been tested and found to have a flash point below 140 degrees Fahrenheit. If discarded, this material and containers should be treated as hazardous wastes based on the characteristic of ignitability as defined under federal RCRA regulations (40 CFR 261). Disposal of this material or its container requires compliance with applicable labeling, packaging, and recordkeeping standards. Extreme care should be taken to ensure that it is disposed of only in a facility permitted for disposal of hazardous waste.

For further information, contact your state or local waste agency or the United States Environmental Protection Agency's RCRA hotline (1-800-424-9346 or 202-382-3000).

This information is furnished without warranty, representation inducement or license of any kind, except that is accurate to the best of Reichhold Chemicals, Inc. knowledge, or obtained from sources believed by Reichhold Chemicals, Inc. to be accurate, and Reichhold Chemicals, Inc. does not assume any legal responsibility for use or reliance upon same. Customers are encouraged to conduct their own tests. Before using any product, read its label.

ATTACHMENT M-4

MATERIAL SAFETY DATA SHEET

Information Telephone No. 800-874-5403

REICHHOLD CHEMICALS, INC.
Coating Polymers & Resins Division
P. O. Box 13582
Research Triangle Park, NC 27709

ALL CHEMICAL EMERGENCIES
1-800-424-9300

Product Code: 16-931

Issue Date: 02/10/92

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
A canister-type respirator must be worn to prevent the inhalation of vapors or spray mists when the TLV or PEL is exceeded.

VENTILATION:
General ventilation is required during normal use.
Local ventilation may be required during certain operations to keep exposure level below the limits listed in Section II of this data sheet.

PROTECTIVE GLOVES:
Chemical-resistant nitrile, neoprene or rubber gloves required.

EYE PROTECTION:
Wear face shield or chemical goggles.

OTHER PROTECTIVE EQUIPMENT:
Wear protective clothing to prevent skin contact.
Eye wash station and safety shower should be available.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Avoid prolonged or repeated inhalation of heated vapors or spray mists. Keep away from heat or open flame. Avoid prolonged or repeated skin contact.

OTHER PRECAUTIONS:
None known.

SECTION X - SUPPLEMENTAL INFORMATION

REGULATORY INFORMATION:
None.

SARA HAZARD CLASSIFICATION:
This material has been categorized as having the following hazard(s) as defined by SARA Title III regulations (40 CFR 370):
acute, chronic, fire.

SARA SECTION 313 LISTED INGREDIENTS:
The following ingredients in this material are subject to the reporting requirements of section 313 of SARA and 40 CFR 372 [see Section II for percentage of ingredient(s)]:
Xylene (1330-20-7)
Ethyl benzene (100-41-4)
Cumene (98-82-8)
1,2,4-Trimethylbenzene (95-63-6)

This information is furnished without warranty, representation inducement or license of any kind, except that is accurate to the best of Reichhold Chemicals, Inc. knowledge, or obtained from sources believed by Reichhold Chemicals, Inc. to be accurate, and Reichhold Chemicals, Inc. does not assume any legal responsibility for use or reliance upon same. Customers are encouraged to conduct their own tests. Before using any product, read its label.

ATTACHMENT M-5

MATERIAL SAFETY DATA SHEET

Information Telephone No. 800-874-5403

REICHHOLD CHEMICALS, INC.
Coating Polymers & Resins Division
P. O. Box 13582
Research Triangle Park, NC 27709

ALL CHEMICAL EMERGENCIES
1-800-424-9300

Product Code: 16-931

Issue Date: 02/10/92

SECTION X - SUPPLEMENTAL INFORMATION (cont.)

DOT PROPER SHIPPING NAME:
Resin solution

UN NUMBER:
UN1866

DOT HAZARD CLASS:
Flammable liquid

This information is furnished without warranty, representation inducement or license of any kind, except that is accurate to the best of Reichhold Chemicals, Inc. knowledge, or obtained from sources believed by Reichhold Chemicals, Inc. to be accurate, and Reichhold Chemicals, Inc. does not assume any legal responsibility for use or reliance upon same. Customers are encouraged to conduct their own tests. Before using any product, read its label.

ATTACHMENT M-

RECEIVED
MAY 03 1991

ENFORCEMENT ACTION TRACKING

FORM#: MTE-022
CASE #: NJD048797195 PAC #: BRW
VIOLATOR NAME: REICHOLD CHEMICAL
MAILING ADDRESS
STREET: 46 ALBERT AVE.
CITY: NEWARK STATE: NJ
ZIP CODE: 07105
RP or RA: JOSEPH POINTER
REFERRAL INFORMATION
DATE OF REFERRAL: 12/25/89
REFERING AGENCY: BFO-M
DATE REC'D BC&TS: 12/26/89
DATE OF VIOLATION: 10/16/89
INSPECTOR: CZACHOR
EAC ASSIGNED: ELSISHANS
DATE ASSIGNED: 12/29/89
DATE ACTION DUE: 2/13/90
VIOLATION CLASS: I,II

LOCATION OF VIOLATION

BLOCK: 2448
LOT: 29
CTY/MUN. CODE: 0714

VIOLATIONS

Regulation	Class	Regulation	Class
7.4(a)4vii	I	9.6(f)1	II
9.4(d)5	I	9.6(f)4	II
9.4(d)6	I	9.7(f)	II
9.4(g)5	II	9.7(i)2	II
9.4(g)6i,ii	II		
9.4(g)6iii	II		
9.4(g)6iv	II		

ENFORCEMENT ACTION COORDINATOR INFORMATION

DOCUMENT TYPE: NCAPA
DATE OF DRAFT DOC.: 2/8/90
ACTION TYPE: H
DOCUMENT STATUS: AMEND
DRA IN: 2/21/91
DRA OUT: 3/20/91

HEARING INFORMATION
DATE REC'D: 3/26/90
DATE TO DRA:
DATE WITHDREW:
OAL DKT. #:
DATE OF HEARING:
DATE DUE TO DRA:

ACTION #: HM-033-90
DATE ISSUED: 2/27/90
PENALTY ASSESSED: $18750.00
PENALTY REDUCTION: $9250.00
AMEND/RESCIND DATE: 28 MAR 1991
VERIF. OF COMPL. REC'D:
DATE PENALTY COLLECTED:
AMOUNT COLLECTED:
15 DAY LETTER ISSUED:

AG REFERRAL INFORMATION
DATE OF REFERRAL:
ACTION REQUESTED:
AG ASSIGNED:

COMMENTS: ENGINEERING HAS REVIEWED THE CASE AND DETERMINED THAT REICHOLD IS NOT A TSD AND THE DOCUMENT WILL BE AMENDED TO REFLECT VIOLATIONS OF A GENERATOR.

RECEIVED
MAR 27 1991
HAZARDOUS WASTE
ENFORCEMENT
HS3/57

ATTACHMENT M-

ATTACHMENT N

ELLOMER BULK TANK INVENTORY

02-Dec-88				enter data			02-Dec-88
TANK#	PRODUCT	CAPACITY	H	F	ft--inches	= WET	(w) GALLONS
[illegible]	MS-R66	10000	126	G	--- 0		0
102	MS-R66	10000	126	G	--- 9188		9188
103A	AROM.150	3000	96	G	--- 840		840
1[illegible]B	AROM.150	3000	96	G	--- 1977		1977
1[illegible]C	AROM.100	3000	96	G	--- 1583		1583
103D	VMP	3000	96	G	--- 2678		2678
[illegible]A	BUTANOL	3000	96	P	--- -------		0
1[illegible]B	ISOBUTANOL	3000	96	P	--- -------		0
104C	ACETONE	3000	96	P	--- -------		0
[illegible]D	IPA	3000	96	P	--- -------		0
[illegible]5	MS-REB11	15000	126	G	--- 6769		6769
106	MS-R66	15000	126	G	--- 11371		11371
107	MS-88	10000	126	G	--- 6698		6698
[illegible]A	MS-OD	7500	126	G	--- 6223		6223
[illegible]B	MS-230	7500	126	G	--- 5263		5263
109	XYLOL	15000	126	G	--- 8593		8593
[illegible]0	TOLUOL	10000	126	G	--- 5177		5177
[illegible]1	OILB	1500	100	V	2 - 9		495
302	EG	1500	100	V	0 - 0		0
[illegible]03	GH CASTOR	1500	100	V	0 - 0		0
[illegible]04	GH CASTOR	1500	100	V	3 - 5		615
305	FISH OIL	1500	100	V	8 - 0		1440

ATTACHMENT N-1

ATTACHMENT O

DEQ-062
1/88

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
BUREAU OF ENFORCEMENT OPERATIONS

FIELD INVESTIGATION ASSIGNMENT REPORT

DATE ASSIGNED	DATE DUE
09-07-88	11-7-88
DATE COMPLETED	COUNTY
12-5-88	ESS

PLANT ID #	INSPECTOR ASSIGNED
05431	621

COMPANY NAME Cellomer Corp.
LOCATION Newark

TYPE OF ASSIGNMENT
☐ Complaint ☒ APEDS
☐ Order Followup
☐ Other (by code) ____

CYCLE
1

CDS CLASS: A1 ___ A2 ___ B ___ NSPS ___ NESHAPS ___ PSD ___

AIR GRANT (105): ☐ Yes ☐ No PLLT: PT ___ S2 ___ CO ___ N2 ___ VO ___ Other ___

COMPLAINANT NAME ___ PHONE # ___
COMPLAINANT ADDRESS ___
DATE RECEIVED ___ TIME RECEIVED ___ RECORDED BY ___

ASSIGNMENT A1 or A2 ? If not, cycle 8
All Stacks - see LB

PLANT CONTACT Joe Pointek
TITLE Operations Eng.
ARRIVAL TIME AT PLANT 7:00
TOTAL ASSIGNMENT TIME 275
STACKS INSPECTED 75 TEMPS 0
TOTAL SOURCES INSPECTED 91
DEQ-012 COMPLETED FOR SUBCHAPTERS

SUBCHAPTER	# INSP
5	1
6	1
8	42
16	42
OTHER	

COMPLAINT	TYPE	NUMBER

Time/Date at Complainant ___/___
Verified: ☐ Yes ☐ No
Give details below

VIOLATION FOLLOWUP INSPECTION
Violation Log # ___
Order Dated ___
Subchapter Violated ___
Compliance Achieved ☐ Yes ☐ No
Give details below

TYPE SAMPLE COLLECTED ___
OF SAMPLES COLLECTED ___
COMMENTS (by code) ___

DETAILS OF INSPECTION
The inspection was conducted on 11-18-88 (Alkyd Resin manufacturing area) and 12-5-88 (Diazo plant building). see attached for inspection of equip. w/ cts.
The company has several pieces of s/f equip.
(1) T-4 to T-7 inside resin tanks (6,000 gallons each)
(2) 12 u/g vegetable oil tanks
(3) T-11 to T-14 inside mixing tanks (8,000 gallons each)
(4) 2 Filter presses with an exhaust fan
(5) A thlatic anhydride tank
The company has a small pilot plant w/ 5 reactor ranging from 50 to 800 gallons, a filter press, and room exhaust (w/ three elephant trunks).
The company emits 106 tons/year of VOS after control ∴ the company should be an A-2 source. The cycle is correctly listed as 1.

INSPECTOR'S SIGNATURE John C Smith
TITLE: Env. Spec.
SUPERVISOR'S REVIEW
INITIALS: LB DATE: 12/14/88

SEE ATTACHED FOR ADDITIONAL INFORMATION: ☒ YES ☐ NO

ATTACHMENT 0-1

PLANT INSPECTION REPORT FORM

Month

Company Name Cellomer Corporation I.D.# 05431

Location 46 Albert Ave City Newark

Date of Inspection 11-18 & 12-5 Time — INSPECTOR Smith #

Person(s) Interviewed Joe Pointek

Title(s) Operations eng.

BJ#	CT#	Observations and Comments	APEDS
001	49654	Room C, exhaust fans - not op	
		- only one filter press, the 2nd	
		was removed	
		- 2 out of service centrifugers also	
		in room	
002	47228		
to	to	Alyd resin tank farm	
012	47238		
013	49653	Room R, Exhaust fans - not op*	
014	49657	Glass Lined tank - not op	
016	49659	Dust Collector - one grinder	
		was removed - not op	
017	g/f	Tank O - op/c	
018	g/f	Vacuum pump - not op	
019	61240	Boiler Stack	
020	62842	Oil heater - west - not op	
021	62146	Dryers U, V, & W - op/c	
022	62489	Dryers R, C & D - op/c	
023	63653	P-5 - op/c - update lb/hr	
024	64107	P-6 - Not op	
025	g/f	P-1 - Op/c	
026	g/f	P-2 - Op/c	
027	g/f	P-3 - not/op.	

Additional Comments and Recommendations * see attached

The company has ribbon blender in room a with no emissions.

ATTACHMENT: O-2

PLANT INSPECTION REPORT FORM

Month

Company Name Cellomer Corp. I.D.# 05431

Location _____ City _____

Date of Inspection _____ Time _____ INSPECTOR _____ # _____

Person(s) Interviewed _____

Title(s) _____

NJ#	CT#	Observations and Comments	APEDS
028	9/F	Reactor R-4 - op/c	
029	61241	Oil heater East - op/c	
030	74573	Alkyd Resin Tank #1 - op/c	
031	74574	Alkyd Resin Tank #2 - op/c	
032	77436	#507 - op/c	
033	80647	Tank # 104D - tank not in service yet	
034	80648	Tank # 101 - " " " " "	
035	80649	Tank # 105 - op/c	
036	80650	Tank # 106 - op/c	
037	80651	Tank #107 - op/c	
038	80652	Tank # 108A - op/c	
039	80653	Tank # 108B - op/c	
040	80654	Tank # 109 - op/c	
041	80655	Tank # 110 - op/c	
042	80656	Tank # 104B - op/c	
043	80657	Tank # 104C - op/c	
044	80658	Tank # 102 - op/c	
045	80659	Tank # 103A - op/c	
046	80660	Tank # 103B - op/c	
047	80661	Tank # 103C - op/c	
049	80662	Tank # 103D - op/c	
050	80663	Tank # 104A - op/c	

Additional Comments and Recommendations _____

ATTACHMENT 0-3

Equip. formerly vented to scrubber -

- O - 500 gal SS tank
- Z - 150 gal tank glass
- X - 150 gal tank - carpenter
- CC - 400 gal tank - rubber
- LL - Centrifuge

(stack #03)

Room B of the Diazo Plant has four sources listed on the permit. However, 3 tanks previously vented to the venturi scrubber (removed in 1987) and 2 other tanks are located in ~~the~~ room B. Stack #014 Glass-Lined tank and stack #017 Tank O are also in ~~the~~ Room B, but are vented directly to the atmosphere. None of the equipment in room B was operating during the inspection. The plant contact is not familiar with the process and he does not know which equip is out of service. I requested plant contact to apply for a new permit if any equipment previously vented to the scrubber is put into use.

ATTACHMENT 0-

ATTACHMENT P

M E M O R A N D U M

TO: Cellomer Corporation File

FROM: Joseph Stefanoni III
Bureau of Field Operations - Site Assessment Section

DATE: January 29, 1993

SUBJECT: PSA ON JANUARY 22, 1993 AT REICHHOLD CHEMICAL CORPORATION

On January 22, 1993, Joseph Stefanoni and Mike DiGiore of the NJDEPE, Bureau of Field Operations - Site Assessment Section (BFO-SAS) conducted a Pre-Sampling Assessment (PSA) at the Reichhold Chemical Corporation site located at 46 Albert Avenue, Newark, Essex County. During the course of the site walkthru, 3 areas of concern previously identified, were investigated.

- The area affected by a polyester resin spill on July 7, 1992 was examined and it was determined that no further remediation was necessary at this location, since the spill was contained and the resin had been removed.

- The area affected by the two alarm fire on January 24, 1983, in which several resin filled drums exploded, was inspected and it was determined that the area was paved and the materials had been removed following the fire. Also, most runoff would enter the storm sewer system which connects to the Passaic Valley Sewerage Commission for treatment.

- The drum storage area located on the northeast portion of the property, had been previously noted during a 1978 NJDEP inspection as having spills emanating from this area. During the PSA, it was determined that runoff from this area was exiting the Reichhold property and potentially contaminating soil adjacent to the southern fenceline. Soil gas readings by NJDEPE personnel with an OVA flame ionization detector and an HNU photoionization detector indicated levels of up to 1,000 ppm and 5 ppm, respectively.

- No other areas of concern were identified.

JS:mz

ATTACHMENT P-1

ATTACHMENT Q

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

07-14-45

In the Matter of Cellomer Corporation Inc ID # NJD048797195 Respondent. Proceeding Under Section 3008 of the Solid Waste Disposal Act, as amended.	COMPLAINT, COMPLIANCE ORDER, AND NOTICE OF OPPORTUNITY FOR HEARING Docket No. II RCRA-82-0110

COMPLAINT

This administrative proceeding is instituted pursuant to Section 3008 of the Solid Waste Disposal Act, as amended, 42 U.S.C. §6901 et seq. ("the Act"). [Note: Among the statutes amending the Act is the Resource Conservation and Recovery Act, 90 Stat. 2795, P.L. 94-580 (1976).]

The Director of the Enforcement Division of the U.S. Environmental Protection Agency ("EPA"), Region II, Complainant in this proceeding, has determined that Respondent, Cellomer Corporation has violated Section 3004, 3005, and 3010 of the Act, 42 U.S.C. §6924, 6925, and 6930 respectively and the regulations promulgated thereunder, as hereinafter specified:

1. Respondent owns and operates a facility located at 46 Albert Avenue, Newark, New Jersey 07105 ("the facility").

2. By notification dated August 11, 1980. Specifically, Respondent notified EPA that it generates and treats, stores, or disposes of hazardous waste, as that term is defined in Section 1004(5) of the Act, 42 U.S.C. §6904(5) and in 40 CFR §261.3. Respondent has not requested a permit to conduct its hazardous waste activities as required by Section 3005 of the Act.

ATTACHMENT Q-1

3. On or about September 1, 1981, an inspection of the facility was conducted by duly-designated representatives of EPA pursuant to Section 3007 of the Act, 42 U.S.C. §6927. Said inspection was conducted for the purpose of enforcing the EPA regulations for hazardous waste management, 40 CFR Parts 260 through 265 (published in 45 Fed. Reg. 33063 et seq., May 19, 1980), promulgated pursuant to Subtitle C of the Act, 42 U.S.C. §6921 et seq.

4. The above-referenced inspection revealed that Respondent's facility was being used for the generation and storage of hazardous waste.

5. Section 3005 of the Act and 40 CFR §122.22 requires all owners of hazardous waste treatment, storage or disposal ("TSD") facilities to submit a RCRA permit application to the Regional Administrator of the applicable EPA Regional office.

6. The above-referenced inspection revealed that storage of hazardous waste containers and tanks was taking place at Respondent's facility. These hazardous wastes included spent solvents, flammable alkyd resins and mineral spirits. This activity requires the submittal of a RCRA Part A permit application pursuant to 40 CFR §122.22. Respondent has to date failed to submit such permit application and is therefore in violation of 40 CFR §122.22.

7. 40 CFR §265.31 requires that a TSD facility be maintained to minimize the possible release of hazardous waste into the environment. During the above-referenced inspection, spilled hazardous waste (specifically, alkyd resins and waste solvents) was noted on the soil throughout an unpaved area where drums and a series of subsurface tanks, including a waste tank, are located. Respondent is therefore in violation of 40 CFR §265.31.

8. 40 CFR §265.171 provides that if a container holding hazardous waste is not in good condition, or if it begins to leak, the owner or operator of the hazardous waste facility must transfer the hazardous waste from this container to a container that is in good condition, or manage the waste in some other way that complies with 40 CFR Part 265. At the time of the above-referenced inspection, approximately 20 drums storing hazardous flammable alkyd resin wastes were leaking, rusting, uncovered and in poor condition. Respondent had failed to transfer the wastes in these drums to other drums which were in good condition, and had failed to manage these drums in any other appropriate manner. Respondent is therefore in violation of 40 CFR §265.171.

9. 40 CFR §262.11 requires that any person who generates any solid waste "must determine if that waste is a hazardous waste". This determination was to have been done by either: (1) testing the waste according to the methods set forth in Subpart C of 40 CFR Part 261, or (2) applying knowledge of the hazard characteristic of the waste in light of the materials or the process used. Communications with Respondent indicate that no testing has been performed on

ATTACHMENT Q-2

a filter aid which contains varnish and alkyd resins and is being disposed of as domestic waste. No additional determination has been made as to whether the waste is hazardous. Respondent is therefore in violation of 40 CFR §262.11.

PROPOSED CIVIL PENALTY

In view of the above-cited violations, and pursuant to the authority of Section 3008 of the Act, Complainant herewith proposes the assessment of a civil penalty in the amount of nineteen thousand dollars ($19,000) against Cellomer Corporation for the violations specified hereinabove as follows:

for the violation of 40 CFR §122.22 :	$2,500
for the violation of 40 CFR §265.31 :	7,000
for the violation of 40 CFR §265.171:	7,000
for the violation of 40 CFR §262.11 :	2,500
TOTAL PENALTY	$19,000

COMPLIANCE ORDER

Based upon the foregoing, and pursuant to the authority of Section 3008 of the Act, Complainant herewith issues the following Compliance Order against Respondent herein:

Respondent shall, by no later than thirty (30) days after the effective date of this Order, cease to treat, store or dispose of any hazardous waste at the facility. Thereafter continued operation of the site as a hazardous waste facility shall therefore be contingent upon Respondent requesting authority to continue such operating and the issuance of a subsequent compliance order by Complainant to Respondent setting forth the conditions of any such continued operation. Respondent, in compliance with this order shall perform the following:

1. Respondent shall, by no later than thirty (30) days after the effective date of this Order submit a Part A Permit application for hazardous waste activities at the facility in compliance with 40 CFR §122.22.

2. Respondent shall, by no later than thirty (30) days after the effective date of this Order maintain the facility to minimize the possible release of hazardous waste into the environment. Specifically, spills and run-off of hazardous wastes in the tank storage area, and soils contaminated thereby, must be removed in compliance with 40 CFR §265.31.

3. Respondent shall, by no later than thirty (30) days after the effective date of this Order transfer hazardous waste from containers which are leaking, badly damaged, or corroded through to containers which are in good condition in compliance with 40 CFR §265.171.

ATTACHMENT Q-3

4. Respondent shall, by no later than thirty (30) days after the effective date of this Order determine whether its filter aid containing varnish and alkyd resins is a hazardous waste in accordance with 40 CFR §262.11. Specifically, a determination shall be made as to whether the filter aid has the hazardous waste characteristics of ignitability or EP toxicity pursuant to 40 CFR Part 261 Subpart C.

NOTICE OF LIABILITY FOR ADDITIONAL CIVIL PENALTIES

Pursuant to the terms of Section 3008(a)(3) of the Act, a violator failing to take corrective action within the time specified in a Final Compliance Order is liable for a civil penalty of up to $25,000 for each day of continued noncompliance. Such continued noncompliance may also result in suspension or revocation of any permits issued to the violator pursuant to the authority of the Act.

NOTICE OF OPPORTUNITY TO REQUEST A HEARING

As provided in Section 3008(b) of the Act, and in accordance with EPA's Consolidated Rules of Practices Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR Part 22, 45 Fed. Reg. 24360 (April 9, 1980) (a copy of which accompanies this Complaint, Compliance Order, and Notice of Opportunity for Hearing), you have the right to request a hearing to contest any material fact set out in the Complaint, or to contest the appropriateness of the proposed penalty, or the terms of the Compliance Order. (Consistent with the provisions of Section 3008(b) of the Act, the hearing provided will be noticed and open to the general public, should you specifically request such a public hearing. In the absence of such a specific request, however, public notice of a scheduled hearing will not be published.)

To avoid being found in default, and having the proposed civil penalty assessed and the Compliance Order confirmed without further proceedings, you must file a written answer to the Complaint, which may include a request for a hearing. Your answer (if any) must be addressed to the Regional Hearing Clerk, U.S. Environmental Protection Agency, Region II, 26 Federal Plaza, New York, New York, 10278, and must be filed within thirty (30) days of your receipt of this Complaint, Compliance Order, and Notice of Opportunity for Hearing. Your answer must clearly and directly admit, deny or explain each of the factual allegations contained in the Complaint, and should contain (1) a clear statement of the facts which constitute the grounds of your defense, and (2) a concise statement of the contentions which you intend to place in issue at the hearing.

The denial of any material fact, or the raising of any affirmative defense, will be construed as a request for a hearing. Failure to deny any of the factual allegations in the Complaint will be deemed to constitute an admission of

ATTACHMENT Q-4

the undenied allegations. Your failure to file a written answer within thirty (30) days of receipt of this instrument will be deemed to represent your admission of all facts alleged in the Complaint, and a waiver of your right to a formal hearing to contest any of the facts alleged by the Complainant. Your default will result in the final issuance of the Compliance Order, and assessment of the proposed civil penalty, without further proceedings.

INFORMAL SETTLEMENT CONFERENCE

Whether or not you request a hearing, the EPA encourages settlement of this proceeding consistent with the provisions of the Act. At an informal conference with a representative of the Complainant you may comment on the charges and provide whatever additional information you feel is relevant to the disposition of this matter, including any actions you have taken to correct the violation, and any other special circumstances you care to raise. The Complainant has the authority to modify the amount of the proposed penalty, where appropriate, to reflect any settlement agreement reached with you in such conference, or to recommend that any or all of the charges be dismissed, if the circumstances so warrant. Your request for an informal conference and other questions that you may have regarding this Complaint, Compliance Order, and Notice of Opportunity for Hearing should be directed to Jodi Lee Alper, Attorney, General Enforcement Branch, U.S. Environmental Protection Agency, Region II, 26 Federal Plaza, New York, New York, 10278, telephone (212) 264-1196.

Please note that a request for an informal settlement conference does not extend the thirty (30) day period during which a written answer and request for a hearing must be submitted. The informal conference procedure may be pursued as an alternative to or simultaneously with the adjudicatory hearing procedure. However, no penalty reduction will be made simply because such a conference is held. Any settlement which may be reached as a result of such conference will be embodied in a written Consent Agreement and Final Compliance Order to be issued by the Regional Administrator of EPA, Region II, and signed by you or your representative. Your signing of such Consent Agreement would constitute a waiver of your right to request a hearing on any matter stipulated to therein.

RESOLUTION OF THIS PROCEEDING WITHOUT HEARING OR CONFERENCE

Instead of filing an answer requesting a hearing or requesting an informal settlement conference, you may choose to comply with the terms of the Compliance Order, and to pay the proposed penalty. In that case, payment should be made by sending to the Regional Hearing Clerk, EPA, Region II, a cashier's or certified check in the amount of the penalty specified in the "Proposed Civil Penalty" section of this instrument. Your check must be made payable to the United States of America.

ATTACHMENT Q-5

DATED: New York, New York

February 24, 1982

COMPLAINANT:

Michael P. Bonchonsky
Acting Director
Enforcement Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

TO: Louis A. Kaplan
Vice President
Cellomer Corporation
46 Albert Avenue
Newark, New Jersey 07105

cc: George Tyler, Esq.
Assistant Commissioner for
Environmental Management
New Jersey Department of
Environmental Protection

CERTIFICATE OF SERVICE

This is to certify that on the 24th day of February, 1982 I served a true and correct copy of the foregoing Complaint by certified mail to Louis A. Kaplin, Vice President, Cellomer Corporation, 46 Albert Avenue, Newark, New Jersey 07105. I handcarried the original foregoing Complaint to the Regional Hearing Clerk.

VICTORIA L. McDONALD
Clerk Stenographer

ATTACHMENT Q-6

ATTACHMENT R

Tom Taccone

U.S. ENVIRONMENTAL PROTECTION AGENCY
General Enforcement Branch
Room 437
Region II
26 Federal Plaza
New York, New York 10007

Version 5 input
+ file

OCT 20 1982

(212) 264-9898

CERTIFIED MAIL--
RETURN RECEIPT REQUESTED

Frederic C. Ritger, Jr., Esq.
Franzblau & Falkin
50 Commerce Street
Newark, New Jersey 07102

NJD048797195

Re: Cellomer Corporation
Docket No. II RCRA-82-0110

Dear Mr. Ritger:

Enclosed is a conformed copy of the Consent Agreement and Final Compliance Order in the above-captioned proceeding, signed by the Regional Administrator of the U.S. Environmental Protection Agency.

Upon your receipt of this Order, the sixty-day period for payment of the civil penalty commences. Please arrange for payment of this penalty according to the instructions given in the Order.

Sincerely yours,

Bruce R. Adler
Attorney
General Enforcement Branch
Enforcement Division

Enclosure

cc: Gerard Burke
Office of Enforcement
New Jersey Department of Environmental Conservation

bcc: Tom Taccone, 2PM-PA
Regional Hearing Clerk
Robert Brook (WH-527)

ATTACHMENT R-1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

In the Matter of CELLOMER CORPORATION, Respondent. Proceeding Under Section 3008 of the Solid Waste Disposal Act, as amended.	CONSENT AGREEMENT AND FINAL COMPLIANCE ORDER Docket No. II RCRA-82-0110

PRELIMINARY STATEMENT

This administrative proceeding was instituted pursuant to Section 3008 of the Solid Waste Disposal Act, as amended, 42 U.S.C. §6901 et seq. ("the Act"). [Note: Among the statutes amending the Act is the Resource Conservation and Recovery Act, 90 Stat. 2795, P.L. 94-580 (1976).]

The Director of the Enforcement Division of the U.S. Environmental Protection Agency ("EPA"), Region II, Complainant in this proceeding, issued a Complaint, Compliance Order and Notice of Opportunity for Hearing to Respondent Cellomer Corporation on February 24, 1982. Said document charged Respondent with certain violations of Sections 3004, 3005, and 3010 of the Act, 42 U.S.C. §§6924, 6925 and 6930 respectively and the regulations promulgated thereunder.

This Consent Agreement and Final Order is being entered into by the parties in full settlement of all liabilities which might have attached as a result of the proceedings. Respondent has read the Final Order set out herein, and, without any admission of the allegations of violations, believes it to be

ATTACHMENT R-2

reasonable and consents to its issuance and its terms. Respondent furthermore waives its right to receive a hearing on the above-referenced Final Consent Order, and agrees to pay a penalty in the amount called for in the Order.

FINDINGS OF FACT AND CONCLUSIONS OF LAW

1. Respondent owns and operates a facility located at 46 Albert Avenue, Newark, New Jersey ("the facility").

2. By notification dated August 11, 1980, Respondent notified EPA that it generates, treats, stores, or disposes of hazardous waste, as that term is defined in Section 1004(5) of the Act, 42 U.S.C. §6904(5) and in 40 CFR §261.3. Respondent has not requested a permit to conduct its hazardous waste activities as required by Section 3005 of the Act.

3. On or about September 1, 1981, an inspection of the facility was conducted by duly designated representatives of EPA pursuant to Section 3007 of the Act, 42 U.S.C. §6927. Said inspection was conducted for the purpose of enforcing the EPA regulations for hazardous waste management, 40 CFR Parts 260-265 (published in 45 Fed. Reg. 33063 et seq., May 19, 1980, and as later amended) promulgated pursuant to Subtitle C of the Act, 42 U.S.C. §6921 et seq.

4. The above-referenced inspection revealed that Respondent's facility was being used for the generation and storage of hazardous waste.

5. Section 3005 of the Act and 40 CFR §122.22 requires all owners of hazardous waste treatment, storage or disposal ("TSD") facilities to submit a RCRA permit application to the Regional Administrator of the applicable EPA Regional Office.

ATTACHMENT R-3

6. The above-referenced inspection revealed that storage of hazardous waste containers and tanks was taking place at Respondent's facility. These hazardous wastes include spent solvents, flammable alkyd resins and mineral spirits. This activity requires the submittal of a RCRA Part A permit application pursuant to 40 CFR §122.22. Respondent has to date failed to submit such permit application and is therefore in violation of 40 CFR §122.22.

7. 40 CFR §265.31 requires that a TSD facility be maintained to minimize the possible release of hazardous waste into the environment. During the above-referenced inspection, spilled hazardous waste (specifically, alkyd resins and waste solvents) was noted on the soil throughout an unpaved area where drums and a series of subsurface tanks, including a waste tank, are located. Respondent is therefore in violation of 40 CFR §265.31.

8. 40 CFR §265.171 provides that if a container holding hazardous waste is not in good condition, or if it begins to leak, the owner or operator of the hazardous waste facility must transfer the hazardous waste from this container to a container that is in good condition, or manage the waste in some other way that complies with 40 CFR Part 265. At the time of the above-referenced inspection, approximately 20 drums storing hazardous flammable alkyd resin wastes were leaking, rusting, uncovered and in poor condition. Respondent had failed to transfer the wastes in these drums to other drums which were in good condition, and has failed to manage these drums in any other appropriate manner. Respondent is therefore in violation of 40 CFR §265.171.

9. 40 CFR §262.11 requires that any person who generates any solid waste "must determine if that waste is a hazardous waste". This determination was to have been done by either: (1) testing the waste according to the methods set forth in Subpart C of 40 CFR Part 261, or (2) applying knowledge of the hazard

ATTACHMENT R-4

characteristic of the waste in light of the materials or the process used. Communications with Respondent indicate that no testing has been performed on a filter aid which contains varnish and alkyd resins and is being disposed of as domestic waste. No additional determination has been made as to whether the waste is hazardous. Respondent is therefore in violation of 40 CFR §262.11.

FINAL CONSENT ORDER

Based upon the foregoing, and pursuant to Section 3008 of the Act, and Section 22.18 of the Consolidated Rules of Practices Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR §22.18, it is hereby ORDERED that Respondent shall hereinafter comply with all relevant regulations at 40 CFR Parts 261 through 265. Specifically:

1. Respondent shall, by no later than thirty (30) days after the effective date of this Order, submit a Part A permit application for hazardous waste activities at the facility in compliance with 40 CFR §122.22.

2. Respondent shall, by no later than thirty (30) days after the effective date of this Order, maintain the facility to minimize the possible release of hazardous waste into the environment. Specifically, spills and run-off of hazardous wastes in the tank storage area, and soils contaminated thereby, must be removed in compliance with 40 CFR §265.31.

3. Respondent shall, by no later than thirty (30) days after the effective date of this Order transfer hazardous waste from containers which are leaking, badly damaged, or corroded through to containers which are in good condition in compliance with 40 CFR §265.171.

ATTACHMENT R-5

4. Respondent shall, by no later than thirty (30) days after the effective date of this Order determine whether its filter aid containing varnish and alkyd resins is a hazardous waste in accordance with 40 CFR §262.11. Specifically, a determination shall be made as to whether the filter aid has the hazardous waste characteristics of ignitability or EP toxicity pursuant to 40 CFR Part 261 Subpart C.

Within sixty (60) days of receipt of a signed and executed copy of this Final Consent Order, Respondent shall pay by cashier's or certified check a civil penalty for the violations cited herein in the amount of eight thousand dollars ($8,000.00), payable to the Treasurer, United States of America. Such payment shall be remitted to the Regional Hearing Clerk, EPA, Region II, 26 Federal Plaza, New York, New York, 10278. Failure to remit such payment in full will result in the referral of this matter to the United States Attorney for collection.

SO ORDERED, EFFECTIVE IMMEDIATELY.

CONSENT

Respondent has read the foregoing Order, and, without any admission of liability, believes it to be reasonable, and consents to its issuance and to its terms.** Furthermore, Respondent explicitly waives its right to request a hearing on this Order, and agrees to pay the penalty amount called for in the Order.

RESPONDENT: BY: _____
CELLOMER CORPORATION

DATE: Aug. 23, 1982

**Respondent further asserts that as of the date of its consent, it is in compliance with all applicable regulations.

ATTACHMENT R-6

COMPLAINANT:

/S/
WARREN H. LLEWELLYN
Acting Director
Enforcement Division
EPA - Region II

DATE: 10-6-82

The Regional Administrator of EPA, Region II concurs in the above-cited findings. The foregoing Order as agreed upon by the parties is hereby approved and issued, effective immediately.

/S/
JACQUELINE E. SCHAFER
Regional Administrator
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

DATE: 10-13-82

ATTACHMENT R-7

ATTACHMENT S

1-14-93

Good job
please make a highlight

HM-033-90

Let's protect our earth

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
Lance R. Miller, Acting Director
CN 028
Trenton, N.J. 08625-0028
(609) 633-1408

27 FEB 1990

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

MAR - 6 1990

Reichold Chemical, Inc.
46 Albert Ave.
Newark, N.J. 07105

ATTENTION: Joseph Pointer, Manager

Dear Mr. Pointer:

There is enclosed for service upon you an **ADMINISTRATIVE ORDER AND NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT** issued by the New Jersey Department of Environmental Protection pursuant to the provisions of the Solid Waste Management Act.

The Department is available to meet with the principals of the case to discuss the enclosed enforcement document. Should you desire such a meeting please contact Margaret Elsishans within 20 calendar days of receipt of this letter. This does not affect the time frame within which you may request an administrative hearing, under the Notice of Right to a Hearing provisions of the enclosed document.

Should you have any questions concerning this matter, please contact Margaret Elsishans at (609) 633-0700.

Sincerely,

Wayne C. Howitz

Wayne C. Howitz
Assistant Director
Hazardous Waste Enforcement

WCH/mte
Enclosure(s)
cc Health Department
Mayor's Office
Bureau of Compliance and Technical Services
Regional Field Office

New Jersey is an Equal Opportunity Employer

ATTACHMENT S-1

HM-033-90

Let's protect our earth

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
Lance R. Miller, Acting Director
CN 028
Trenton, N.J. 08625-0028
(609) 633-1408

27 FEB 1990

IN THE MATTER OF	:	**ADMINISTRATIVE ORDER**
Reichold Chemical, Inc.	:	**AND**
46 Albert Ave.	:	**NOTICE OF CIVIL ADMINISTRATIVE**
Newark, N.J. 07105	:	**PENALTY ASSESSMENT**

This Administrative Order and Notice of Civil Administrative Penalty Assessment is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (hereinafter "NJDEP" or the "Department") by N.J.S.A. 13:1D-1 et seq., and the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. and duly delegated to the Assistant Director for Enforcement of the Division of Hazardous Waste Management pursuant to N.J.S.A. 13:1B-4.

FINDINGS

1. The Department has determined that Reichold Chemical, Inc. (hereinafter "Reichold Chemical") is a generator of hazardous waste, a hazardous waste transporter and a hazardous waste facility (EPA ID# NJD048797195) as defined in N.J.A.C. 7:26-1.4 and is located at Block 2448, Lot 29, 46 Albert Ave., Newark, Essex County, State of New Jersey.

2. During the course of inspections conducted on October 13, 1989 and October 16, 1989 at Reichold Chemical, the following violations were noted:

   a. Reichold Chemical failed to provide the quantity of hazardous waste being shipped on manifests NJA0416329 and NJA0416331, in violation of N.J.A.C. 7:26-7.4(a)4vii.

   b. Reichold Chemical failed to develop and follow a written waste analysis plan which describes the procedures which the owner or operator will perform to comply with N.J.A.C. 7:26-9.4(b)1, in violation of N.J.A.C. 7:26-9.4(b)2.

   c. Reichold Chemical failed to inspect areas where containers are stored, at least daily, to look for leaks and deterioration caused by corrosion or other factors, in violation of N.J.A.C. 7:26-9.4(d)5.

   d. Reichold Chemical failed to locate containers holding ignitable or reactive waste at least 50 (fifty) feet from the facility's property line, in violation of N.J.A.C. 7:26-9.4(d)6.

e. Reichold Chemical failed to develop and follow a written schedule for inspecting monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment that are utilized for the prevention, detection, or response to environmental or human health hazards, in violation of N.J.A.C. 7:26-9.4(f)3.

f. Reichold Chemical failed to record inspections in an inspection log or summary, in violation of N.J.A.C. 7:26-9.4(f)6.

g. Reichold Chemical failed to have facility personnel take part in an annual review of initial training as required in N.J.A.C. 7:26-9.4(g) 1 through 3, in violation of N.J.A.C. 7:26-9.4(g)5.

h. Reichold Chemical failed to maintain the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job, in violation of N.J.A.C. 7:26-9.4(g)6i.

i. Reichold Chemical failed to have a written description for each position listed under N.J.A.C. 7:26-9.4(g)6i, in violation of N.J.A.C. 7:26-9.4(g)6ii.

j. Reichold Chemical failed to have a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under N.J.A.C. 7:26-9.4(g)6i, in violation of N.J.A.C. 7:26-9.4(g)6iii.

k. Reichold Chemical failed to keep records that document the training or job experiences required under N.J.A.C. 7:26-9.4(g)1 through 5 has been given to, and completed by, facility personnel, in violation of N.J.A.C. 7:26-9.4(g)6iv.

l. Reichold Chemical failed to make arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, the properties of the hazardous waste handled at the facility and associated hazardous, places where facility personnel would normally be working, entrances to and roads inside the facility, and possible evacuation routes, in violation of N.J.A.C. 7:26-9.6(f)1.

m. Reichold Chemical failed to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of inquires or illnesses which could result from fires, explosions, or discharges at the facility, in violation of N.J.A.C. 7:26-9.6(f)4.

n. Reichold Chemical failed to include within the facility's contingency plan a list of the names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator, in violation of N.J.A.C. 7:26-9.7(f).

ATTACHMENT S-3

o. Reichold Chemical failed to submit a copy of the contingency plan to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services, in violation of N.J.A.C. 7:26-9.7(i)2.

p. Reichold Chemical failed to have a written closure plan, in violation of N.J.A.C. 7:26-9.8(c).

3. A reinspection was conducted on November 21, 1989 and the Department has determined that Reichold Chemical has attained compliance with the following violations: N.J.A.C. 7:26-9.4(d)5, 9.4(d)6, 9.4(g)5, 9.4(g)6i, 9.4(g)6ii, 9.4(g)6iii, 9.4(g)6iv, 9.6(f)1, 9.6(f)4, 9.7(f), and 9.7(i)2.

4. During the above mentioned reinspection, it was also noted that Reichold Chemical had not attained compliance with the following violations: N.J.A.C. 7:26-9.4(b)2, 9.4(d)6, 9.4(f)3 and 9.4(f)6 and 9.8(c).

5. Based on the facts set forth in these **FINDINGS**, the Department has determined that Reichold Chemical has violated the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. and the regulations promulgated pursuant thereto, N.J.A.C. 7:26-1 et seq., specifically N.J.A.C. 7:26-7.4(a)4vii, 9.4(b)2, 9.4(d)5, 9.4(f)3, 9.4(f)6, 9.4(g)5, 9.4(g)6i, 9.4(g)6ii, 9.4(g)6iii, 9.4(g)6iv, 9.6(f)1, 9.6(f)4, 9.7(f), 9.7(i)2 and 9.8(c).

ORDER

NOW, THEREFORE, IT IS HEREBY ORDERED THAT REICHOLD CHEMICAL SHALL:

6. Within twenty (20) calendar days upon receipt of this Administrative Order and Notice of Civil Administrative Penalty Assessment submit the enclosed **VERIFICATION OF COMPLIANCE** by certified mail, return receipt requested or by hand delivery to the address below, indicating that you have corrected the violations referenced in paragraph four (4) above.

New Jersey Department of Environmental Protection
Division of Hazardous Waste Management
Bureau of Compliance and Technical Services
CN 028
Trenton, NJ 08625
Attention: Margaret Elsishans

THIS ORDER SHALL BE EFFECTIVE UPON RECEIPT.

NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT

7. Pursuant to N.J.S.A. 13:1E-9e and based upon the above **FINDINGS**, the Department has determined that a civil administrative penalty should be assessed against Reichold Chemical in the amount of $18,750.00.

ATTACHMENT S-4

directors, officers, agents, successors, assigns, any trustee in bankruptcy or other trustee, and any receiver appointed to a proceeding in law or equity.

13. Notice is given that violations of any statutes, rules or permits other than those herein cited may be cause for additional enforcement actions, either administrative or judicial. By issuing this Administrative Order and Notice of Civil Administrative Penalty Assessment the Department does not waive its right to initiate additional enforcement actions.

14. No obligations imposed by this Administrative Order and Notice of Civil Administrative Penalty Assessment (with the exception of paragraph seven (7) above) are intended to constitute a debt, damage claim, penalty or other civil action which should be limited or discharged in a bankruptcy proceeding. All obligations are imposed pursuant to the police powers of the State of New Jersey, intended to protect the public health, safety, welfare, and environment.

15. Notice is given that pursuant to N.J.S.A. 13:1E-9e, the Department is authorized to assess a civil administrative penalty of not more than $25,000 for each violation and additional penalties of not more than $2,500 for each day during which the violation continues.

16. Notice is further given that pursuant to N.J.S.A. 13:1E-9f, any person who violates N.J.S.A. 13:1E-1 et seq. or any code, rule, or regulation promulgated thereunder shall be liable to a penalty of not more than $50,000 per day of such violation, and each day's continuance of the violation shall constitute a separate violation.

17. Notice is further given that pursuant to N.J.S.A. 13:1E-9f, any person who violates an administrative order issued pursuant to N.J.S.A. 13:1E-9c, or a court order issued pursuant to N.J.S.A. 13:1E-9d, or who fails to pay a civil administrative penalty in full after it is due shall be subject upon order of a court to a civil penalty not to exceed $100,000 per day of such violation and each day's continuance of the violation shall constitute a separate violation.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Wayne C. Howitz
Wayne C. Howitz
Assistant Director
Hazardous Waste Enforcement

WCH/mte

ATTACHMENT S-6

ATTACHMENT T

11. The Albert Avenue Plant is not required to comply with N.J.A.C. 7:26-9.8(c), because it only stores hazardous waste on-site in drums for less than 90 days and it is not required to obtain a permit for the treatment, storage or disposal of hazardous waste.

12. The alleged violation of N.J.A.C. 7:26-9.4(d)6 resulted because there was no place outside of the Albert Avenue Plant building where the hazardous waste could be located at least 50 feet from the plant's property line. The alleged violation has now been corrected.

13. Under any circumstances, the DEP has failed to take into consideration factors such as the type, seriousness and duration of the alleged violations and the compliance history of the Albert Avenue Plant.

14. It is estimated that it will take approximately two hours to conduct the hearing.

PITNEY, HARDIN, KIPP & SZUCH
Attorneys for Reichhold
Chemicals, Inc.

By: Gail H. Allyn
GAIL H. ALLYN
A Member of the Firm

DATED: March 21, 1990

ATTACHMENT T-3

PITNEY, HARDIN, KIPP & SZUCH
163 MADISON AVENUE
P. O. BOX 1945
MORRISTOWN, N.J. 07962-1945
(201) 267-3333
ATTORNEYS FOR Reichhold Chemicals, Inc.

In the Matter of Reichhold Chemicals, Inc.	:	REQUEST FOR ADMINISTRATIVE HEARING

EPA Identification No. NJD04879719

Reichhold Chemicals, Inc. ("Reichhold") responds to the Administratiave Order and Notice of Civil Administrative Penalty Assessment ("Notice") issued by the New Jersey Department of Environmental Protection ("DEP") on or about February 27, 1990 and received by Reichhold on or about March 5, 1990, as follows:

1. Reichhold hereby requests an Administrative Hearing as to all issues of fact and law, pursuant to N.J.S.A. 13:1E-9e and N.J.A.C. 7:26-5.3;

2. Reichhold has a plant located at 46 Albert Avenue, Newark, New Jersey, 07105 ("Albert Avenue Plant");

3. For purposes of this Request for Administrative Hearing, its authorized representative is Gail H. Allyn, Esq. at Pitney, Hardin, Kipp & Szuch ((201) 631-4848);

ATTACHMENT I-

ATTACHMENT U

HM-033-90

Let's protect our earth

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
LANCE R. MILLER, DIRECTOR
CN 028
Trenton, N.J. 08625-0028
(609) 633-1408
Fax # (609) 633-1454

28 MAR 1991

IN THE MATTER OF	:	
Reichhold Chemical, Inc.	:	**AMENDED**
46 Albert Avenue	:	**NOTICE OF CIVIL ADMINISTRATIVE**
Newark, N.J. 07105	:	**PENALTY ASSESSMENT**

This Amended Notice of Civil Administrative Penalty Assessment is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (hereinafter "NJDEP" or the "Department") by N.J.S.A. 13:1D-1 et seq., and the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. and duly delegated to the Assistant Director for Enforcement of the Division of Hazardous Waste Management pursuant to N.J.S.A. 13:1B-4.

FINDINGS

1. The Department has determined that Reichhold Chemical, Inc. (hereinafter "Reichhold Chemical") is a generator of hazardous waste and a hazardous waste hauler (EPA ID# NJD048797195) as defined in N.J.A.C. 7:26-1.4 and is located at Block 2448, Lot 29, 46 Albert Avenue, Newark City, Essex County, State of New Jersey (hereinafter the "site").

2. On October 13, 1989 and October 16, 1989 a Department representative performed inspections at Reichhold Chemical. On February 27, 1990, the Department issued to Reichhold Chemical an Administrative Order and Notice of Civil Administrative Penalty Assessment. In this document, the Department cited Reichhold Chemical for violations of the Solid Waste Management Act pertaining to generators and hazardous waste facilities.

3. In a letter to the Department dated March 19, 1990, Reichhold Chemical stated that the site had been erroneously classified as a hazardous waste facility. The letter explained that in 1984 a Part A application had been filed with the Department stating that hazardous waste would be stored in a 4,000 gallon above ground storage tank. Reichhold Chemical also explained that hazardous waste was never stored for more than ninety (90) days.

4. On May 3, 1990, in response to Reichhold Chemical's letter of March 19, 1990, an inspection was performed at the site by a representative of the Department's Bureau of Hazardous Waste Engineering in order to determine whether or not the site is a hazardous waste facility.

5. In a letter dated July 6, 1990, the Department's Bureau of Hazardous

Waste Engineering informed Reichhold Chemical that Cellomer Corporation had erroneously filed a Part A application because the 4,000 gallon hazardous waste storage tank met the definition of a container as defined in N.J.A.C. 7:26-1.4 and that, according to Reichhold Chemical's records, hazardous waste was not stored for greater than ninety (90) days. The letter also stated that Reichhold Chemical is no longer included in the Department's list of existing facilities and does not need to conform with the interim operating requirements of N.J.A.C. 7:26-1 et seq. for existing facilities.

6. This Notice of Administrative Penalty Assessment supercedes the Administrative Order and Notice of Administrative Penalty Assessment issued on February 27, 1990. Therefore the Department amends the FINDINGS of the Administrative Order and Notice of Civil Administrative Penalty Assessment issued on February 27, 1990, as follows:

7. During the course of inspections conducted on October 13, 1989 and October 16, 1989 at Reichhold Chemical, the following violations were noted:

   a. Reichhold Chemical failed to provide the quantity of hazardous waste being shipped on manifests NJA0416329 and NJA0416331, in violation of N.J.A.C. 7:26-7.4(a)4vii.

   b. Reichhold Chemical failed to inspect areas where containers are stored, at least daily, to look for leaks and deterioration caused by corrosion or other factors, in violation of N.J.A.C. 7:26-9.4(d)5.

   c. Reichhold Chemical failed to locate containers holding ignitable or reactive waste at least 50 (fifty) feet from the facility's property line, in violation of N.J.A.C. 7:26-9.4(d)6.

   d. Reichhold Chemical failed to have facility personnel take part in an annual review of initial training as required in N.J.A.C. 7:26-9.4(g) 1 through 3, in violation of N.J.A.C. 7:26-9.4(g)5.

   e. Reichhold Chemical failed to maintain the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job, in violation of N.J.A.C. 7:26-9.4(g)6i.

   f. Reichhold Chemical failed to have a written description for each position listed under N.J.A.C. 7:26-9.4(g)6i, in violation of N.J.A.C. 7:26-9.4(g)6ii.

   g. Reichhold Chemical failed to have a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under N.J.A.C. 7:26-9.4(g)6i, in violation of N.J.A.C. 7:26-9.4(g)6iii.

   h. Reichhold Chemical failed to keep records that document the

training or job experiences required under N.J.A.C. 7:26-9.4(g)1 through 5 has been given to, and completed by, facility personnel, in violation of N.J.A.C. 7:26-9.4(g)6iv.

i. Reichhold Chemical failed to make arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, the properties of the hazardous waste handled at the facility and associated hazardous, places where facility personnel would normally be working, entrances to and roads inside the facility, and possible evacuation routes, in violation of N.J.A.C. 7:26-9.6(f)1.

j. Reichhold Chemical failed to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of inquires or illnesses which could result from fires, explosions, or discharges at the facility, in violation of N.J.A.C. 7:26-9.6(f)4.

k. Reichhold Chemical failed to include within the facility's contingency plan a list of the names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator, in violation of N.J.A.C. 7:26-9.7(f).

l. Reichhold Chemical failed to submit a copy of the contingency plan to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services, in violation of N.J.A.C. 7:26-9.7(i)2.

8. A reinspection was conducted on November 21, 1989 and the Department determined that Reichhold Chemical attained compliance with the following violations: N.J.A.C. 7:26-9.4(d)5, 9.4(g)5, 9.4(g)6i, 9.4(g)6ii, 9.4(g)6iii, 9.4(g)6iv, 9.6(f)1, 9.6(f)4, 9.7(f), and 9.7(i)2.

9. During the above mentioned reinspection, it was also noted that Reichhold Chemical had not attained compliance with N.J.A.C. 7:26-9.4(d)6.

10. On August 2, 1990, a Department representative performed an inspection at Reichhold Chemical and determined that Reichhold Chemical had attained compliance N.J.A.C. 7:26-9.4(d)6.

11. Based on the facts set forth in these **FINDINGS**, the Department has determined that Reichhold Chemical has violated the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. and the regulations promulgated pursuant thereto, N.J.A.C. 7:26-1 et seq., specifically N.J.A.C. 7:26-7.4(a)4vii, 9.4(d)5, 9.4(d)6, 9.4(g)5, 9.4(g)6i, 9.4(g)6ii, 9.4(g)6iii, 9.4(g)6iv, 9.6(f)1, 9.6(f)4, 9.7(f), and 9.7(i)2.

NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT

12. Pursuant to N.J.S.A. 13:1E-9e and N.J.A.C. 7:26-5.4(f), and based

ATTACHMENT 4

upon the above **FINDINGS**, the Department has determined that a civil administrative penalty is assessed against Reichhold Chemical in the amount of $9,500.00.

13. Payment of the penalty is due when a final order is issued by the Commissioner subsequent to a hearing, if any, or when this Notice of Civil Administrative Penalty Assessment becomes a final order (see following paragraph). Payment shall be made by certified check payable to "Treasurer, State of New Jersey" and shall be submitted to:

    New Jersey Department of Environmental Protection
    Division of Financial Management Planning and General Services
    Bureau of Revenue
    CN 402
    Trenton, NJ 08625

14. If no request for a hearing is received within twenty (20) calendar days from receipt of this Notice of Civil Administrative Penalty Assessment, it shall become a final order upon the twenty-first calendar day following its receipt and the penalty shall then be due and payable.

NOTICE OF RIGHT TO A HEARING

15. Pursuant to N.J.S.A. 52:14B-1 et seq. and N.J.S.A. 13: 1E-9, Reichhold Chemical is entitled to an administrative hearing. Any hearing request, along with the enclosed **ADMINISTRATIVE HEARING REQUEST CHECKLIST AND TRACKING FORM FOR ENFORCEMENT DOCUMENTS**, shall be delivered to the address below within twenty (20) calendar days from receipt of this Notice of Civil Administrative Penalty Assessment.

    Assistant Director for Enforcement
    Division of Hazardous Waste Management
    401 East State Street
    CN 028
    Trenton, New Jersey 08625
    Attention: Wayne C. Howitz, Assistant Director

16. Pursuant to N.J.A.C. 7:26-5.3 Reichhold Chemical shall, in its request for a hearing, furnish NJDEP with the following:

    a. The name, address, telephone number and EPA Identification Number (if applicable) of Reichhold Chemical and its authorized representative;

    b. Reichhold Chemical's defenses, to each of the Department's findings of fact in the findings section of the notice of civil administrative penalty assessment, stated in short and plain terms;

    c. An admission or denial of each of the Department's findings of fact in the findings section of the notice of civil

ATTACHMENT 4-4

administrative penalty assessment. If Reichhold Chemical is without knowledge or information sufficient to form a belief as to the truth of a finding, Reichhold Chemical shall so state and this shall have the effect of a denial. A denial shall fairly meet the substance of the findings denied. When Reichhold Chemical intends in good faith to deny only a part or a qualification of a finding, Reichhold Chemical shall specify so much of it as is true and material and deny only the remainder. Reichhold Chemical may not generally deny all of the fihdings but shall make all denials as specific denials of designated findings. For each finding which Reichhold Chemical denies, Reichhold Chemical shall allege the fact or facts as Reichhold Chemical believes such fact or facts to be;

d. Information supporting the request and specific reference to or copies of all written documents relied upon to support the request;

e. An estimate of the time required for the hearing (in days and/or hours); and

f. A request, if necessary, for a barrier-free hearing location for physically disabled persons.

GENERAL PROVISIONS

17. Neither the issuance of this Notice of Civil Administrative Penalty Assessment nor anything contained herein shall relieve Reichhold Chemical of the obligation to comply with all applicable laws, including but not limited to the statutes and rules cited herein.

18. This Notice of Civil Administrative Penalty Assessment is binding on Reichhold Chemical, its agents, successors, assigns, any trustee in bankruptcy or other trustee, and any receiver appointed through a proceeding in law or equity.

19. Notice is given that violations of any statutes, rules or permits other than those herein cited may be cause for additional enforcement actions, either administrative or judicial. By issuing this Notice of Civil Administrative Penalty Assessment the Department does not waive its right to initiate additional enforcement actions.

20. Obligations and penalties of this Notice of Civil Administrative Penalty Assessment are imposed pursuant to the police powers of the State of New Jersey for the enforcement of the law and the protection of the public health, safety, and welfare and are not intended to constitute debt or debts which may be limited or discharged in a bankruptcy proceeding.

21. Notice is given that pursuant to N.J.S.A. 13:1E-9e, the Department

is authorized to assess a civil administrative penalty of not more than $50,000 for each violation, and each day during which the violation continues constitutes an additional, separate and distinct offense.

22. Notice is further given that any person who violates the provisions of N.J.S.A. 13:1E-1 et seq. or any code, rule, or regulation promulgated pursuant thereto shall be liable to a penalty of not more than $50,000 per day to be collected in a civil action, and any person who violates an administrative order issued pursuant to N.J.S.A. 13:1E-9c or a court order issued pursuant to N.J.S.A. 13:1E-9d, or who fails to pay a civil administrative penalty assessed pursuant to N.J.S.A. 13:1E-9e in full after it is due is subject upon order of a court to a civil penalty not to exceed $100,000 per day of such violations.

23. Except as provided above in the Notice of Right to a Hearing Section, this Notice of Civil Administrative Penalty Assessment shall be effective upon receipt.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Wayne C. Howitz
Assistant Director
Hazardous Waste Enforcement

WCH/mte

ATTACHMENT 4

ADMINISTRATIVE HEARING REQUEST CHECKLIST
AND TRACKING FORM FOR ENFORCEMENT DOCUMENTS

I. Enforcement Document Being Appealed:

_____
Title of Enforcement Document

_____ _____
Issuance Date of Enforcement Document Document Number (if any)

II. Person Requesting Hearing:

_____ _____
Name Name of Attorney, if applicable

_____ _____

_____ _____
Address Address of Attorney

III. Please Include the Following Information as Part of Your Request:

A. The date the alleged violator received the enforcement document being contested;
B. A list of all issues being appealed;
C. An admission or denial of each of the findings of fact, or a statement of insufficient knowledge;
D. The defenses of each of the findings of fact in the enforcement document;
E. Information supporting the request;
F. An estimate of the time required for the hearing;
G. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
H. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's processing of your hearing request to the Office of Administrative Law; and
I. This form, completed, signed and dated with all of the information listed above, including attachments, to:

1. Wayne C. Howitz, Assistant Director, Hazardous Waste Enforcement, CN 028 Trenton, New Jersey 08625 (w/attachments).

2. Richard J. McManus, Director, Legal Bridge Unit CN 402 Trenton, New Jersey 08625 (w/o attachments)

IV. Signature: _____ Date: _____

ATTACHMENT 4-7

ATTACHMENT V

CLOSURE PLAN (REMOVAL)
FOR
TWO UNDERGROUND LEADED GASOLINE STORAGE TANKS AND ONE UNDERGROUND DIESEL FUEL STORAGE TANK

AT

REICHHOLD CHEMICALS, INC.
46 ALBERT AVENUE
NEWARK, NEW JERSEY 07105

PREPARED BY:

VECTRE CORPORATION
P. O. BOX 930
LAFAYETTE, NEW JERSEY 07848

JULY 21, 1992

ATTACHMENT V-1

CLOSURE PLAN
Reichhold Chemicals, Inc.

TABLE OF CONTENTS

SECTION		PAGE
1.0	INTRODUCTION	1
2.0	IMPLEMENTATION SCHEDULE	3
3.0	TANK DECOMMISSIONING PLAN	4
4.0	SITE ASSESSMENT PLAN	10

1/rci-v1/report7-92

ATTACHMENT V-2

LIST OF FIGURES

		PAGE
1	Location Map	2
2	Site Plan and Sample Location Map	13

1.0 INTRODUCTION

Reichhold Chemicals, Inc. has retained the services of Vectre Corporation to complete the Closure Plan Preparation and Implementation for two 500 gallon underground leaded gasoline storage tanks and one 500 gallon underground diesel storage tank at its facility at 46 Albert Avenue, Newark, New Jersey 07105 (Figure 1). A registration questionnaire for these previously unregistered tanks is being submitted to the NJDEPE with this Closure Plan and application.

The Closure Plan for this facility consists of the following required information:

- UST Registration Questionnaire
- Closure Plan Application
- Site Diagram
- Implementation Schedule
- Tank Decommissioning Plan
- Site Assessment Plan

ATTACHMENT V-4

APPROXIMATE SCALES

0 1000 2000 3000 4000 5000 Feet

0 200 400 600 800 1000 Meters

1 Kilometer

LOCATION MAP	
REICHHOLD CHEMICALS, INC. 46 ALBERT AVENUE NEWARK, NEW JERSEY 07105	
SCALE AS SHOWN	
FIGURE NO. 1	PROJECT NO. RCI-VI

VECTRE CORPORATION

ATTACHMENT V-5

2.0 IMPLEMENTATION SCHEDULE

The implementation dates currently anticipated for the field activities associated with this project are as follows:

Tank Abandonment:	
Start date:	September 1, 1992
Completion data:	September 2, 1992
Soil sample collection:	September 1, 1992
Monitor well installation:	September 4, 1992
Monitor well sampling:	September 18, 1992

The Closure Plan Implementation Summary, including all required information and supporting documentation, will be submitted within 90 days of completion of the closure plan implementation.

3.0 TANK DECOMMISSIONING PLAN

Vectre personnel will oversee the technical and regulatory tasks associated with the proper closure of the tanks located at the Reichhold Chemicals facility in Newark, New Jersey.

In order to complete the tank closure in accordance with the requirements of the New Jersey Underground Storage Tank Regulations (N.J.A.C. 7:14B-9 et seq.) effective September 4, 1990, the following procedures will be implemented.

3.1 Site and Tank System Preparation

Prior to arrival on site, Vectre personnel will contact Garden State Underground Utilities to identify known underground utilities in the vicinity of the work area.

Upon arrival, the tank area will be cordoned off to limit access by unauthorized personnel. Potential ignition sources within the area will be removed. A combustible gas indicator will be utilized to assess the vapor concentrations within the area prior to initiating work.

3.1 Site and Tank System Preparation, continued

The product in the tank will be measured to determine the approximate quantity remaining. Product from the piping will be drained into the tank. The piping will be disconnected and capped. Liquids within the tank will be pumped out with a vacuum truck, in accordance with the operating and safety practices of American Petroleum Institute (API) Publication 2219.

Upon completion of the pumping procedures, a track-mounted excavator will be utilized to excavate the material covering the tank and expose the top of the tank. Excavated soils will be visually examined, and screened utilizing a photoionization detector (PID), and staged on 6 mil plastic sheeting. Any soils which appear to be contaminated will be staged separately for characterization sampling.

3.2 Tank Monitoring and Cleaning

Once the tops of the tanks are exposed, all non-product lines and tank fixtures, except for any vent lines, will be removed and capped. All tank openings other than vent lines will be plugged to prevent possible spillage. All piping removed will be staged on plastic for subsequent disposal with the tank.

3.2 Tank Monitoring and Cleaning, continued

After the tanks have been exposed and prepared, a combustible gas indicator will be used to test the vapor concentrations within the tank atmosphere. The probe will be inserted into the tanks to obtain readings from three depths: at the bottom, middle and top portions of the tank.

If the readings obtained indicate flammable vapor levels in excess of 20 percent of the lower explosive limit, purging procedures will be implemented. If required, purging will be completed by adding carbon dioxide (dry ice) to the tanks, utilizing the procedures outlined in API Recommended Practice 1604.

If readings are obtained below 20 percent of the lower explosive limit, tank cleaning procedures will be initiated. If the tanks are not equipped with a manway, a non-sparking saw will be utilized to cut an access sufficient for entry.

3.2 Tank Monitoring and Cleaning, continued

The tanks will be entered by tank cleaning personnel appropriately equipped with protective clothing, self-contained breathing apparatus, and lifelines. The interior surfaces of the tanks will be squeegee cleaned and wiped with clean industrial rags. Residuals and liquids will be pumped out with a vacuum truck and removed for disposal off site.

The tank atmosphere will be evaluated during the cleaning process, as well as during subsequent removal procedures, until the tank has been prepared for off-site disposal.

3.3 Tank Excavation and Removal

Once the tank cleaning procedures are completed, soil from the sides of the tanks will be excavated as necessary to permit removal of the tanks. The tanks will be lifted from the excavation using a chain attached to its lift lugs. The tank will be staged on plastic and secured with blocks.

The tanks' exteriors will be inspected for corrosion holes. If corrosion holes are identified, these will be documented and the

3.3 Tank Excavation and Removal, continued

client consulted regarding reporting requirements to the Environmental Action Hotline (609-292-7172).

Following excavation, the tanks will be prepared for transportation and disposal. Holes will be cut in the ends of the tanks to prevent its subsequent reuse. Labels will be affixed to the tanks identifying the site or origin, the products stored in the tanks, the date of tank removal and the ultimate disposal destination of the tanks. The tanks will be lifted onto a flatbeld truck, secured with blocks and chains and transported off site for disposal.

3.4 Tank and Residual Disposal

The tanks will be transported and disposed of as scrap metal. All liquids and residuals removed from the tanks will be transported to and disposed of under manifest. Copies of required disposal manifests and other documentation will be included in the Closure Plan Implementation Report to be submitted following closure of the tanks.

3.5 Site Restoration

The excavation will be lined with 6 mil plastic. Where examination indicates that excavated soils show no evidence of contamination, the excavated soils will be placed back into the excavation and covered with plastic. Clean bank-run gravel will be added to bring the excavated area up to grade.

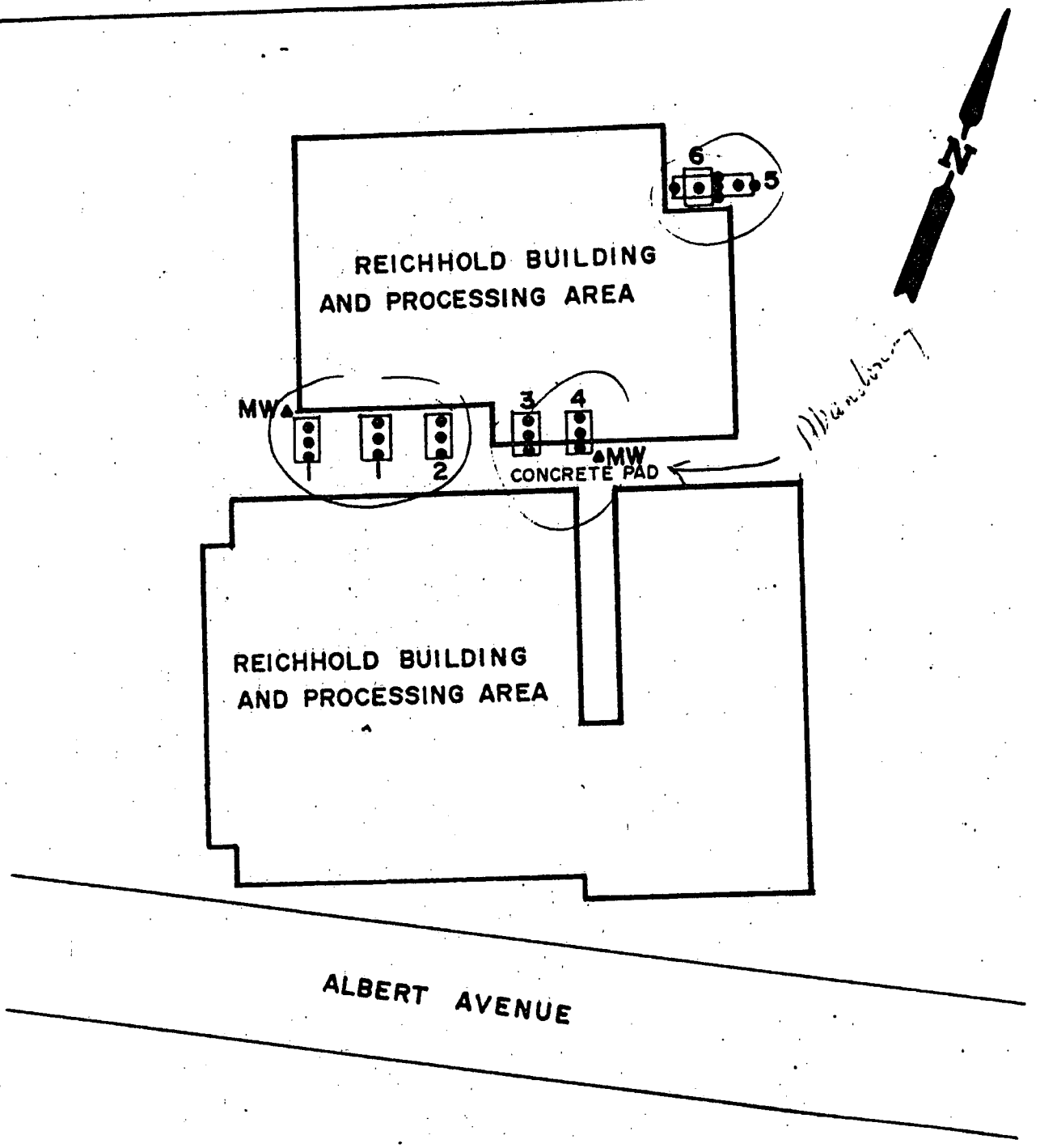
4.0 SITE ASSESSMENT PLAN

Prior to backfilling the tank excavation, a site assessment will be conducted in accordance with the guidelines outlined in the NJDEPE "Interim Closure Requirements for Underground Storage Tank Systems" dated September, 1990. The Site Assessment Plan is designed to evaluate and document soil conditions in the tank excavation area.

The following procedures are proposed for the assessment of the two 500 gallon gasoline tanks and one 500 gallon diesel tank to be removed at the site (Figure 2).

4.1 Field Testing

The tank excavation area will be examined by collecting soil samples from the sides and bottom of the excavation to determine the presence, if any, of free-product contaminated soils. The exact locations of the soil samples will be determined in the field. The soil samples will be used to conduct several field testing procedures outlined in Appendix 1, Step 2 of the NJDEPE Interim Closure Requirements document, including the field sorption test and the soil/water agitation method, to determine the presence of free product contaminated soil.



LEGEND

1 GASOLINE UST
2 DIESEL UST
3 NAPHTHA UST
4 MINERAL SPIRITS UST
5 NO. 2 FUEL OIL UST
6 ABOVE GROUND STORAGE TANK (PERMANENT)
• PROPOSED POST EXCAVATION SOIL SAMPLE
MW▲ PROPOSED MONITORING WELL

SITE PLAN AND SAMPLE LOCATION MAP		
REICHHOLD CHEMICALS, INC. 46 ALBERT AVENUE NEWARK, NEW JERSEY 07105		
NOT TO SCALE		VECTRE CORPORATION
FIGURE NO. 2	PROJECT NO. RCI-VI	

ATTACHMENT V-14

4.1 Field Testing, continued

If free product contaminated soils are identified in the excavation, additional field testing will be conducted as necessary to determine the extent of additional excavation required to remove the contaminated soils. All additional excavated soil will be staged on separate plastic sheeting pending analysis and disposal.

4.2 Screening Evaluation of the Excavation

Once excavation is determined to be complete, the walls and floor of the excavation will be screened utilizing a photoionization detector (PID). The readings obtained will be recorded and evaluated to identify potential post-excavation soil sample locations within the excavation.

Based on the readings obtained from the screening evaluation, the client may also be consulted regarding possible additional soil excavation. If additional soil excavation is performed, a second screening will be performed upon completion, and additional readings recorded and evaluated.

4.3 Soil Sample Collection

Upon completion of the above field evaluation procedures, post-excavation soil samples will be collected from native soils within the excavation area to document the condition of the remaining soils. A total of nine (9) discrete soil samples will be collected from the excavation area, at depths of between 0-6 inches below the surface. The final sampling locations will be field determined utilizing the PID screening readings. As piping runs from the tanks are less than 15 feet in length, no additional soil sampling specifically for piping is required. The results of all post-excavation sampling will be provided in the Closure Plan Implementation Report.

Sampling procedures will be performed in accordance with the Division of Hazardous Site Mitigation Field Sampling Procedures Manual. All required quality assurance/quality control and chain-of-custody procedures for sample collection will be followed and documented accordingly. A field blank sample will be appropriately obtained and analyzed to verify the accuracy of the results.

4.4 Soil Sample Analysis

The nine post-excavation soil samples and field blank samples will be properly packaged and transported, maintaining a temperature of 4 degrees Celsius, to an independent NJDEPE certified laboratory.

Three soil samples from beneath the diesel tank will be analyzed for total petroleum hydrocarbons (TPH) utilizing EPA Method 418.1. A field blank will also be submitted to the lab. The laboratory will be requested to provide the analytical results within seven (7) days, to allow evaluation of the results and determination of additional analytical requirements within the required sample holding times. If any of the results obtained indicate TPH results of 1,000 parts per million (ppm) or greater, one sample with the highest readings and the field blank sample will be analyzed for volatile organics +15.

The six (6) soil samples from beneath the two gasoline tanks and a field blank will be analyzed for volatile organics and xylenes with a forward library search (VO+15) and lead.

4.4 Soil Sample Analysis, continued

The laboratory will provide laboratory chronicles and surrogates, spikes, and method detection limits. All quality assurance/quality control information required will be submitted in the Closure Plan Implementation Report.

4.5 Monitoring Well Installation

One monitoring well is required as per BUST guidelines stipulated under N.J..A.C. 7:14B-9-2(c). and will be installed in accordance with appropriate regulations. The well will be installed as close as possible to the tank access excavation as shown in Figure 2. The well will be screened 3 feet above the first water encountered and to at least 5 feet below the water table. The well will be drilled by a New Jersey licensed well driller, who will obtain the necessary permit before drilling. A Vectre geologist will log the well data and be on site for all drilling and sampling activities.

ATTACHMENT W

CLOSURE PLAN (ABANDONMENT)

FOR

UNDERGROUND #2 FUEL OIL STORAGE TANK

AT

REICHHOLD CHEMICALS, INC.
46 ALBERT AVENUE
NEWARK, NEW JERSEY 07105

PREPARED BY:

VECTRE CORPORATION
P. O. BOX 930
LAFAYETTE, NEW JERSEY 07848

JULY 21, 1992

ATTACHMENT W-1

CLOSURE PLAN (#2 Fuel Oil Storage Tank)
Reichhold Chemicals, Inc.

TABLE OF CONTENTS

SECTION		PAGE
1.0	INTRODUCTION	1
2.0	IMPLEMENTATION SCHEDULE	3
3.0	TANK DECOMMISSIONING PLAN	4
4.0	SITE ASSESSMENT PLAN	8

1/rci-v1/Rep7-92

ATTACHMENT W-2

LIST OF FIGURES

		PAGE
1	Location Map	2
2	Site Plan and Sample Location Map	10

ATTACHMENT W-3

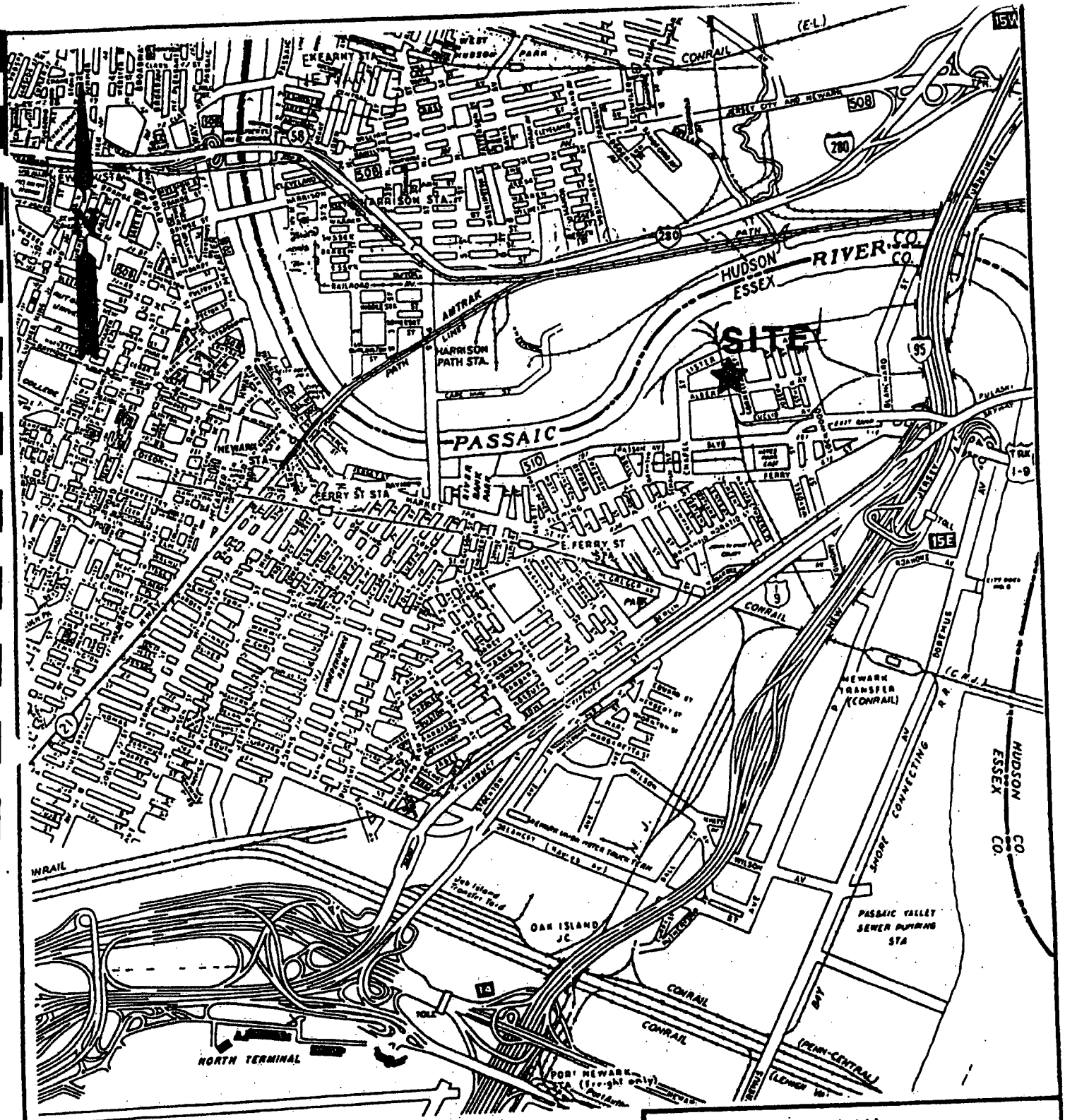
1.0 INTRODUCTION

Reichhold Chemicals, Inc. has retained the services of Vectre Corporation to complete the Closure Plan Preparation and Implementation for abandonment of one 3,000 gallon underground #2 fuel oil storage tank (UST 0226253) at its facility at 46 Albert Avenue, Newark, New Jersey 07105 (Figure 1).

The Closure Plan for this facility consists of the following required information:

- Closure Plan Application
- Site Diagram
- Implementation Schedule
- Tank Decommissioning Plan
- Site Assessment Plan

ATTACHMENT W-4



APPROXIMATE SCALES

0 1000 2000 3000 4000 5000 Feet

0 200 400 600 800 1000 Meters

1 Kilometer

LOCATION MAP		
REICHHOLD CHEMICALS, INC. 46 ALBERT AVENUE NEWARK, NEW JERSEY 07105		
SCALE AS SHOWN		VECTRE CORPORATION
FIGURE NO. 1	PROJECT NO. RCI-VI	

ATTACHMENT W-5

2.0 IMPLEMENTATION SCHEDULE

The implementation dates currently anticipated for the field activities associated with this project are as follows:

Tank Abandonment:

Start date:	September 1, 1992
Completion data:	September 3, 1992
Soil sample collection:	September 2, 1992

The Closure Plan Implementation Summary, including all required information and supporting documentation, will be submitted within 90 days of completion of the closure plan implementation.

3.0 TANK DECOMMISSIONING PLAN

Vectre personnel will oversee the technical and regulatory tasks associated with the proper closure by abandonment of one 3,000 gallon #2 fuel oil storage tank at the Reichhold Chemicals facility. The tank is situated beneath a permanent structure and therefore requires abandonment in place.

In order to complete the tank closure in accordance with the requirements of the New Jersey Underground Storage Tank Regulations (N.J.A.C. 7:14B-9 et seq.) effective September 4, 1990, the following procedures will be implemented.

3.1 Site and Tank System Preparation

Prior to arrival on site, Vectre personnel will contact Garden State Underground Utilities to identify known underground utilities in the vicinity of the work area.

3.1 Site and Tank System Preparation, continued

Upon arrival, the tank area will be cordoned off to limit access by unauthorized personnel. Potential ignition sources within the area will be removed. A combustible gas indicator will be utilized to assess the vapor concentrations within the area prior to initiating work.

The product in the tank will be measured to determine the approximate quantity remaining. Product from the piping will be drained into the tank. The piping will be disconnected and capped. Liquids within the tank will be pumped out with a vacuum truck, in accordance with the operating and safety practices of American Petroleum Institute (API) Publication 2219. Upon completion of pumping procedures, an excavator will be used to expose an entrance point if the manway is inaccessible. All excavated soil will be screened for organic vapors with a photoionization detector (PID) and also visually inspected. Any contaminated soil encountered will be staged for characterization sampling.

3.2 Tank Monitoring and Cleaning

A combustible gas indicator will be used to test the vapor concentrations within the tank atmosphere. The probe will be inserted into the tank to obtain readings from the bottom, middle and top portions of the tank.

If the readings obtained indicate flammable vapor levels in excess of 20 percent of the lower explosive limit, purging procedures will be implemented. If required, purging will be completed by adding carbon dioxide (dry ice) to the tank, utilizing the procedures outlined in API Recommended Practice 1604.

If readings are obtained below 20 percent of the lower explosive limit, tank cleaning procedures will be initiated. If the tank is not equipped with a manway, a non-sparking saw will be utilized to cut an access sufficient for entry.

The tank will be entered by tank cleaning personnel appropriately equipped with protective clothing, self-contained breathing apparatus, and lifelines. The interior surface of the tank will be squeegee cleaned, wiped, and power washed. Residuals and liquids will be pumped out with a vacuum truck and removed for disposal off site.

3.2 Tank Monitoring and Cleaning,, continued

The tank atmosphere will be evaluated during the cleaning process, as well as during subsequent removal procedures, until the tank has been abandoned.

3.3 Residual Disposal

Liquids and residuals removed from the tank will be transported to and disposed of under manifest. Copies of required disposal manifests and other documentation will be included in the Closure Plan Implementation Report.

3.4 Tank Abandonment

Upon completion of the cleaning and sampling procedures, the tanks will be abandoned in place by filling it with slurry mix concrete.

3.5 Site Restoration

Where examination indicates that any soil excavated from grade to the entry-way of the tank has no apparent contamination, the soil will be placed back into the excavation to restore the area to the original grade.

4.0 SITE ASSESSMENT PLAN

Prior to final abandonment of the tank, a site assessment will be conducted in accordance with the guidelines outlined in the NJDEPE "Interim Closure Requirements for Underground Storage Tank Systems" dated September, 1990. The procedures outlined in this section are proposed for the assessment of the 3,000 gallon #2 fuel oil tank to be abandoned at the site. It is designed to evaluate and document soil conditions surrounding the tank excavation area.

4.1 Soil Sample Collection

Upon completion of the tank cleaning procedures, soil samples will be collected from around the tank to document the condition of the soil. A total of seven (7) soil samples will be collected by cutting holes through the interior tank walls at specific points to expose the adjacent soil for sampling purposes.

4.1 Soil Sample Collection, continued

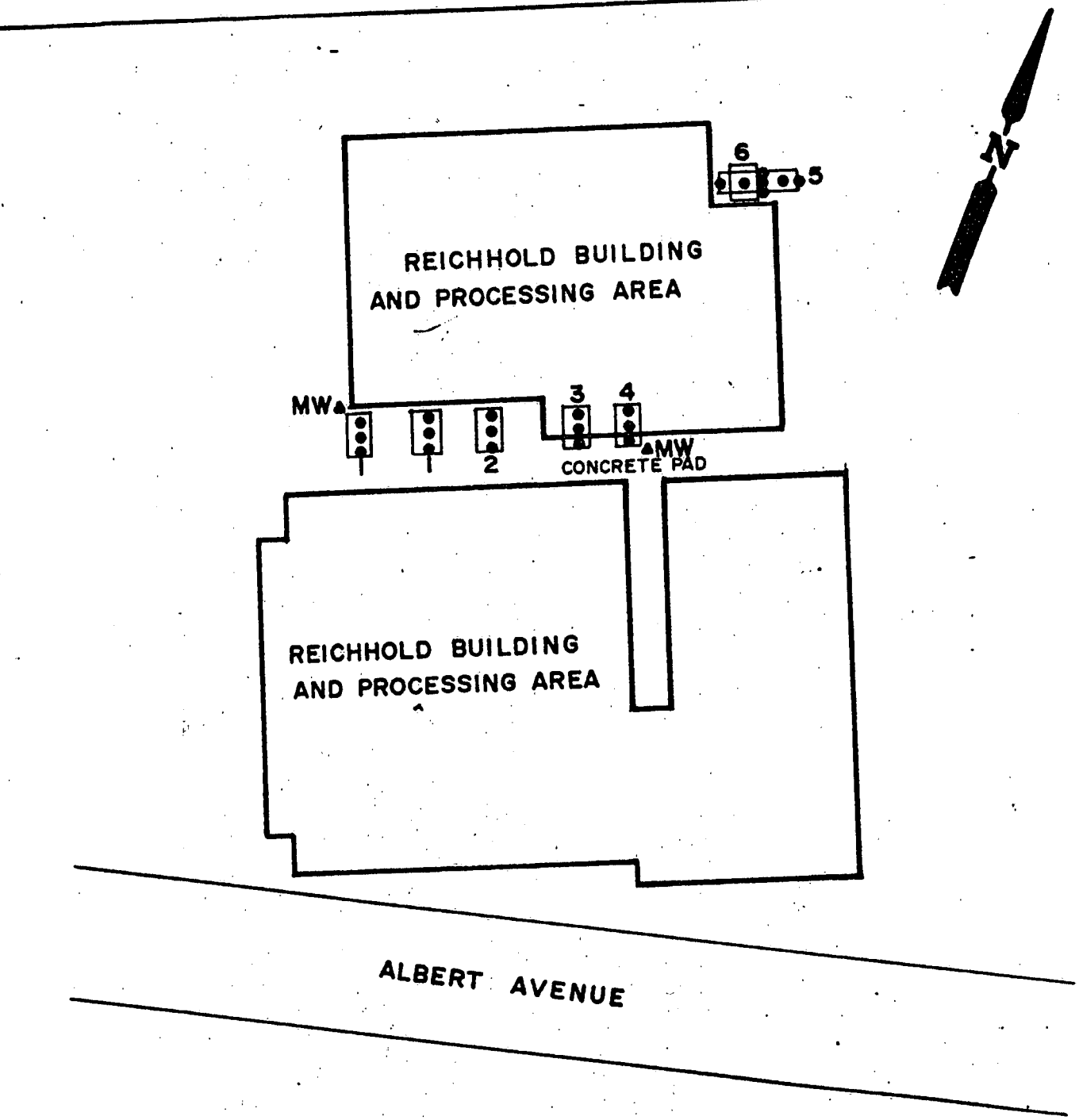
The seven samples will include one sample at each end and side of the tank and three along the center line at the base of the tank (Figure 2). The samples will be collected from soil located between 0 - 6 inches beyond the exterior of the tank.

All sampling procedures will be performed in accordance with the Division of Hazardous Site Mitigation Field Sampling Procedures Manual. All required quality assurance/quality control (QA/QC) and chain-of-custody procedures for sample collection will be followed and documented accordingly. A field blank will be appropriately obtained and analyzed to verify the accuracy of the results.

4.2 Soil Sample Analysis

The seven soil samples and the field blank will be properly packaged in ice to maintain a temperature of approximately 4° C and transported to an independent NJDEPE-certified laboratory.

The eight samples will be analyzed for total petroleum hydrocarbons (TPH) utilizing EPA Method 418.1. If any of the results obtained indicate TPH results of 1,000 ppm or greater, two



LEGEND

1 GASOLINE UST
2 DIESEL UST
3 NAPHTHA UST
4 MINERAL SPIRITS UST
5 NO. 2 FUEL OIL UST
6 ABOVE GROUND STORAGE TANK (PERMANENT)
• PROPOSED POST EXCAVATION SOIL SAMPLE
MW▲ PROPOSED MONITORING WELL

SITE PLAN AND SAMPLE LOCATION MAP		
REICHHOLD CHEMICALS, INC. 46 ALBERT AVENUE NEWARK, NEW JERSEY 07105		
NOT TO SCALE		VECTRE CORPORATION
FIGURE NO. 2	PROJECT NO. RCI-VI	

ATTACHMENT W-13

4.2 Soil Sample Analysis, continued

(2) samples with the highest readings will be analyzed for volatile organics (EPA 624+15).

The laboratory will provide laboratory chronicles and surrogates, spikes, and method detection limits. All quality assurance/quality control information required will be submitted in the Closure Plan Implementation Report.

ATTACHMENT X

CLOSURE PLAN (ABANDONMENT)

FOR

ONE UNDERGROUND V. M & P NAPHTHA STORAGE TANK AND
ONE UNDERGROUND MINERAL SPIRITS STORAGE TANK

AT

REICHHOLD CHEMICALS, INC.
46 ALBERT AVENUE
NEWARK, NEW JERSEY 07105

PREPARED BY:

VECTRE CORPORATION
P. O. BOX 930
LAFAYETTE, NEW JERSEY 07848

JULY 21, 1992

ATTACHMENT X-1

TABLE OF CONTENTS

SECTION		PAGE
1.0	INTRODUCTION	1
2.0	IMPLEMENTATION SCHEDULE	3
3.0	TANK DECOMMISSIONING PLAN	4
4.0	SITE ASSESSMENT PLAN	9

ATTACHMENT X-2

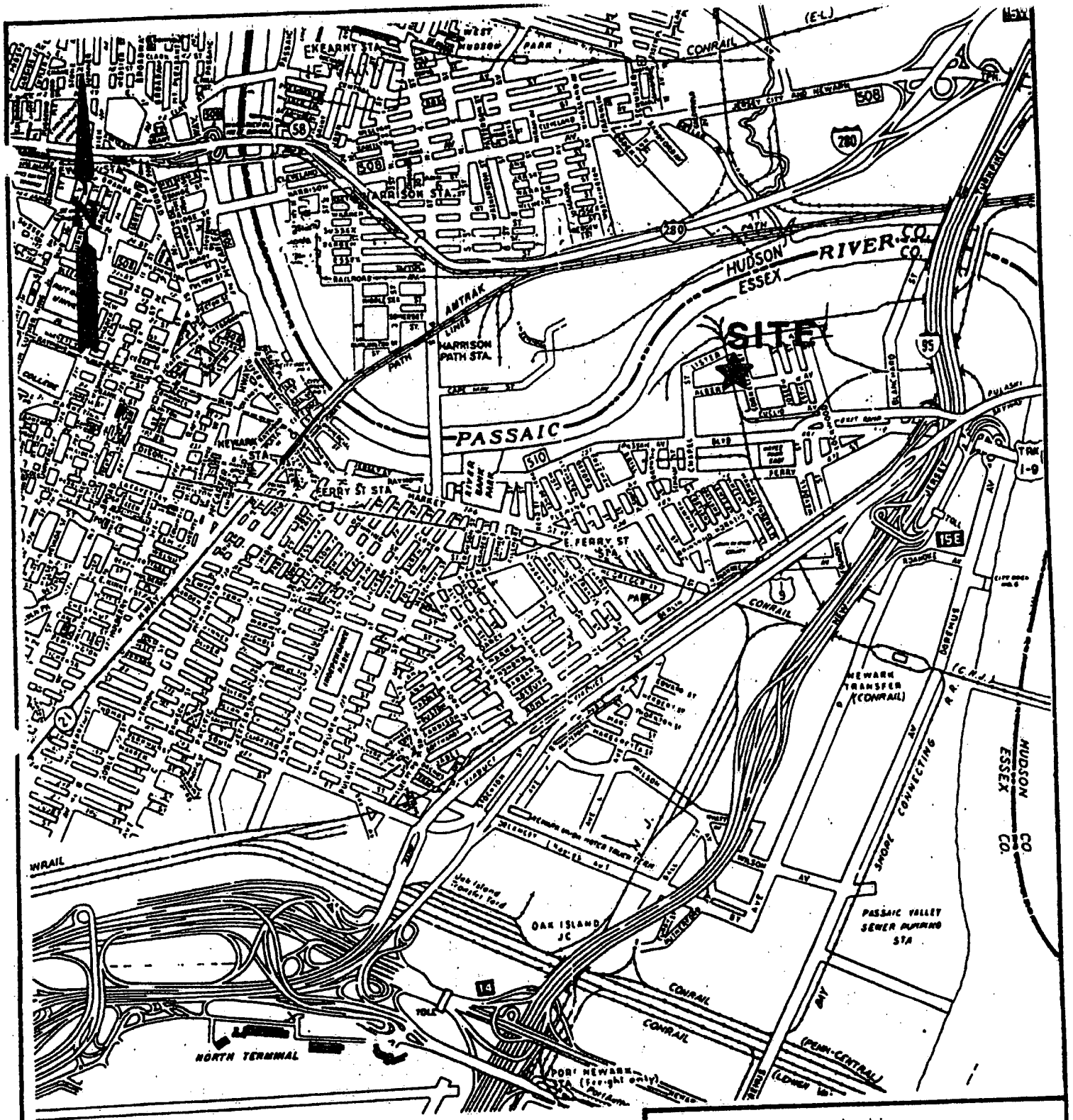
ATTACHMENT X-2

1.0 INTRODUCTION

Reichhold Chemicals, Inc. has retained the services of Vectre Corporation to complete the Closure Plan Preparation and Implementation for abandonment of one 500 gallon V, M and P Naphtha underground storage tank and one 500 gallon underground mineral spirits storage tank at its facility at 46 Albert Avenue, Newark, New Jersey 07105 (Figure 1). A registration questionnaire for these previously unregistered tanks is being submitted to the NJDEPE with this Closure Plan application.

The Closure Plan for this facility consists of the following required information:

- UST Registration Questionnaire
- Closure Plan Application
- Site Diagram
- Implementation Schedule
- Tank Decommissioning Plan
- Site Assessment Plan



APPROXIMATE SCALES

0 1000 2000 3000 4000 5000 Feet

0 200 400 600 800 1000 Meters

1 Kilometer

LOCATION MAP

REICHHOLD CHEMICALS, INC.
46 ALBERT AVENUE
NEWARK, NEW JERSEY 07105

SCALE AS SHOWN

FIGURE NO.	PROJECT NO.
1	RCI-VI

VECTRE CORPORATION

ATTACHMENT X-5

2.0 IMPLEMENTATION SCHEDULE

The implementation dates currently anticipated for the field activities associated with this project are as follows:

Tank Abandonment:	
Start date:	September 1, 1992
Completion data:	September 3, 1992
Soil sample collection:	September 2, 1992
Monitor well installation:	September 4, 1992
Monitor well sampling:	September 18, 1992

The Closure Plan Implementation Summary, including all required information and supporting documentation, will be submitted within 90 days of completion of the closure plan implementation.

3.0 TANK DECOMMISSIONING PLAN

Vectre personnel will oversee the technical and regulatory tasks associated with the proper closure by abandonment of one 500 gallon underground V, M, and P Naphtha storage tank and one 500 gallon underground mineral spirits storage tank at the Reichhold Chemicals facility in Newark, New Jersey. The tanks are located beneath a permanent structure and require abandonment in place.

In order to complete the tank closure in accordance with the requirements of the New Jersey Underground Storage Tank Regulations (N.J.A.C. 7:14B-9 et seq.) effective September 4, 1990, the following procedures will be implemented.

3.1 Site and Tank System Preparation

Prior to arrival on site, Vectre personnel will contact Garden State Underground Utilities to identify known underground utilities in the vicinity of the work area.

3.1 Site and Tank System Preparation, continued

Upon arrival, the tank area will be cordoned off to limit access by unauthorized personnel. Potential ignition sources within the area will be removed. A combustible gas indicator will be utilized to assess the vapor concentrations within the area prior to initiating work.

The product in the tank will be measured to determine the approximate quantity remaining. Product from the piping will be drained into the tank. The piping will be disconnected and capped. Liquids within the tank will be pumped out with a vacuum truck, in accordance with the operating and safety practices of American Petroleum Institute (API) Publication 2219.

The two tanks are situated beneath the permanent facility with only a limited portion extending to the outside of the building. The sides of the tanks are accessible by digging beneath a concrete pad just outside the building.

Upon completion of the pumping procedures, a backhoe will be utilized to excavate the concrete pad and underlying material to expose the sides of the tanks. Excavated materials will be

3.1 Site and Tank System Preparation, continued

visually examined, and screened for the presence of organic vapors utilizing a photoionization detector (PID), and staged on 6 mil plastic sheeting. Any soil which appears to be contaminated will be staged separately for characterization sampling.

3.2 Tank Monitoring and Cleaning

A combustible gas indicator will be used to test the vapor concentrations within the tank atmosphere. The probe will be inserted into the tank to obtain readings from the bottom, middle and top portions of the tank.

If the readings obtained indicate flammable vapor levels in excess of 20 percent of the lower explosive limit, purging procedures will be implemented. If required, purging will be completed by adding carbon dioxide (dry ice) to the tank, utilizing the procedures outlined in API Recommended Practice 1604.

If readings are obtained below 20 percent of the lower explosive limit, tank cleaning procedures will be initiated. If the tank is not equipped with a manway, a non-sparking saw will be utilized to cut an access sufficient for entry.

3.2 Tank Monitoring and Cleaning, continued

The tank will be entered from the side by tank cleaning personnel appropriately equipped with protective clothing, self-contained breathing apparatus, and lifelines. The interior surface of the tank will be squeegee cleaned, wiped, and power washed. Residuals and liquids will be pumped out with a vacuum truck and removed for disposal off site.

The tank atmosphere will be evaluated during the cleaning process, as well as during subsequent removal procedures, until the tank has been abandoned.

3.3 Residual Disposal

Liquids and residuals removed from the tank will be transported to and disposed of under manifest. Copies of required disposal manifests and other documentation will be included in the Closure Plan Implementation Report.

3.4 Tank Abandonment

Upon completion of the cleaning and sampling procedures the tanks will be abandoned in place by filling it with slurry mix concrete.

3.5 Site Restoration

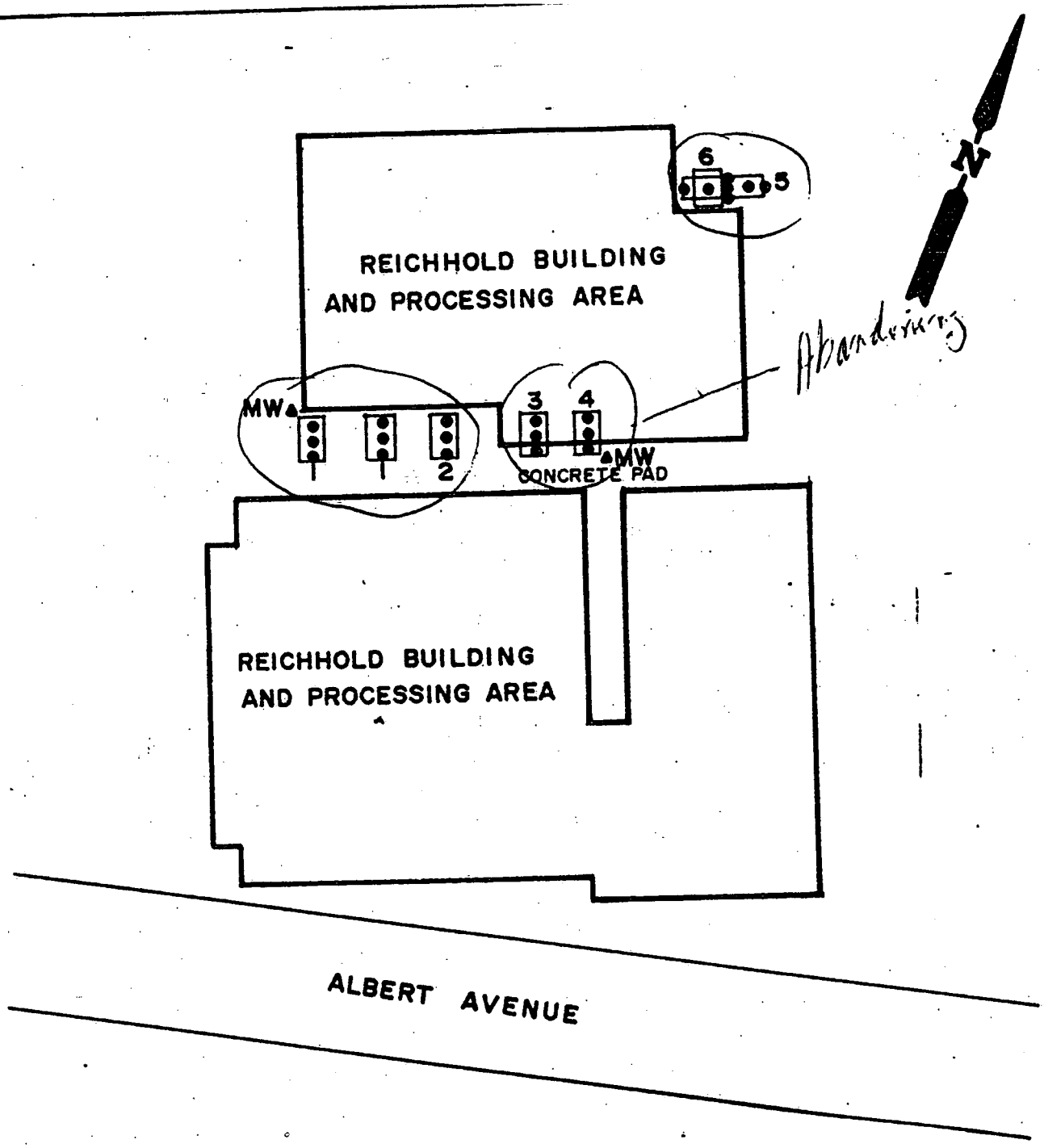
Where examination indicates that the soil excavated from grade to the side of the tank has no apparent contamination, the soil will be placed back into the excavation to restore the area to the original grade.

4.0 SITE ASSESSMENT PLAN

Prior to abandonment of the tank, a site assessment will be conducted in accordance with the guidelines outlined in the NJDEPE "Interim Closure Requirements for Underground Storage Tank Systems" dated September, 1990. The procedures outlined in this section are proposed for the assessment of the one 500 gallon V, M, and P Naphtha tank and one 500 mineral spirits tank to be abandoned at the site. It is designed to evaluate and document soil conditions surrounding the tank.

4.1 Soil Sample Collection

Upon completion of the tank cleaning procedures, soil samples will be collected from around the tanks to document the condition of the soil. Three samples will be collected adjacent to each tank by cutting holes through the tank walls exposing the underlying soil. The samples will be collected from the soil located between 0 to 6 inches beyond the tank walls (Figure 2).



LEGEND

1 GASOLINE UST
2 DIESEL UST
3 NAPHTHA UST
4 MINERAL SPIRITS UST
5 NO. 2 FUEL OIL UST
6 ABOVE GROUND STORAGE TANK (PERMANENT)
● PROPOSED POST EXCAVATION SOIL SAMPLE
MW▲ PROPOSED MONITORING WELL

SITE PLAN AND SAMPLE LOCATION MAP		
REICHHOLD CHEMICALS, INC. 46 ALBERT AVENUE NEWARK, NEW JERSEY 07105		
NOT TO SCALE		VECTRE CORPORATION
FIGURE NO. 2	PROJECT NO. RCI-VI	

ATTACHMENT X-13

4.1 Soil Sample Collection, continued

All sampling procedures will be performed in accordance with the Division of Hazardous Site Mitigation Field Sampling Procedures Manual. All required quality assurance/quality control (QA/QC) and chain-of-custody procedures for sample collection will be followed and documented accordingly. A field blank will be appropriately obtained and analyzed to document the adequacy of the decontamination procedures.

4.2 Soil Sample Analysis

The six soil samples and the field blank will be properly packaged in ice to maintain a temperature of approximately 4° C and transported to an independent NJDEPE-certified laboratory. The samples will be analyzed for volatile organics and base neutrals.

The laboratory will provide laboratory chronicles and surrogates, spikes, and method detection limits. All quality assurance/quality control information required will be submitted in the Closure Plan Implementation Report.

4.3 Monitoring Well Installation

One monitoring well is required as per BUST guidelines stipulated under N.J.A.C. 7:14B-9-2(c). and will be installed in accordance with appropriate regulations. The well will be installed as close as possible to the tank access excavation as shown in Figure 2. The well will be screened 3 feet above the first water encountered and to at least 5 feet below the water table. The well will be drilled by a New Jersey licensed well driller, who will obtain the necessary permit before drilling. A Vectre geologist will log the well data and be on site for all drilling and sampling activities.

4.4 Monitoring Well Sampling and Analysis

The sampling of the monitor well will be performed in accordance with State requirements and will not be sampled until two weeks after well installation and development.

4.4 Monitoring Well Sampling and Analysis, continued

Following collection of groundwater samples, the samples will be transported to a NJDEPE certified laboratory for analyses. The samples will be analyzed for volatile organics (EPA 624+15) and base neutral (EPA 625+15) compounds. In addition, field and trip blanks will be obtained and analyzed in accordance with the required QA/QC procedures.

ATTACHMENT Y

cc: VFrango 12/
File: LA
Pdg - Rec

CN 028
Trenton, N.J. 08625-0028

(609)633-7141

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

Michele M. Putnam
Deputy Director
Hazardous Waste Operations

John J. Trela, Ph.D., Director

Lance R. Miller
Deputy Director
Responsible Party Remedial Action

DEC 02 1988

Mr. Gary F. Danis
c/o Kerby, Cooper, English, et al.
9 DeForest Avenue
Summit, NJ 07901

RECEIVED
5 1988
KCS & G

RE: DIC Americas, Inc.
#N85575

Dear Mr. Danis:

This is in response to your letter dated 11/15/88, concerning the applicability of the Environmental Cleanup Responsibility Act (ECRA) to the corporate reorganization of the above referenced company. On the basis of the sworn statements set forth in the affidavit signed by Edward E. Barr, the Department finds that this transaction is not subject to the provisions of ECRA.

This decision is made in light of the absence of a transaction covered by the Act, specifically a corporate reorganization not substantially affecting the ownership of the Industrial Establishment. Any inaccuracies in the affidavit or subsequent changes in the facts as stated therein could alter the Department's determination.

The inapplicability of the Environmental Cleanup Responsibility Act (ECRA) to this transaction does not relieve the above referenced of any responsibilities under any other environmental statutes, regulations or permits.

In addition, this determination of ECRA nonapplicability does not constitute any finding by the New Jersey Department of Environmental Protection as to the current site condition or existence or nonexistence of any hazards to the environment at this location.

ATTACHMENT A

DIC Americas, Inc., a New York corporation (the "corporation") is the parent of Reichhold Chemicals, Inc., ("RCI") a Delaware corporation. RCI is the sole shareholder of Polychrome Chemicals Corp. ("PCC"), a New Jersey corporation. PCC owns real property in New Jersey, which has a SIC code subject to ECRA, directly and through its wholly-owned subsidiary, RBH Dispersions, Inc., ("RBH"), a New Jersey corporation.

In order to place RCI on a sound management and financial basis which will enable it to meet all of its obligations effectively, DIC wishes to accomplish a statutory Short Form Merger whereby PCC and RBH will directly become part of RCI, the surviving corporation as divisions rather than separate corporate entities.

This will more accurately reflect the existing de facto situation since all of the directors of PCC and RBH are Reichhold or DIC employees. We believe that neither ownership nor control is affected and hence, it is an exempt transaction as defined in N.J.A.C. 7:26B1.3.

ATTACHMENT Y.3

Reichhold Chemicals, Inc.
Corporate Headquarters
P.O. Box 13582
Research Triangle Park, NC 27709-3582

REICHHOLD

April 2, 1993

Mr. Joseph Stefanoni, III
New Jersey Department of Environmental
Protection and Energy
300 Horizon Center
CN 407
Trenton, NJ 08625

Re: Reichhold Chemicals, Inc./Newark, NJ

Dear Mr. Stefanoni:

In response to your request, I have enclosed the following documents relating to the non-applicability of ECRA to the Reichhold Chemicals facility at 46 Albert Avenue in Newark:

1. Applicability/Non-Applicability Affidavit dated 11/8/88

2. Letter of Non-Applicability dated 12/2/88

As you will note, the Department treated the transaction in which Polychrome Chemical Corporation and RBH Dispersions, Inc. were made divisions of Reichhold Chemicals, Inc. as a corporate transaction not substantially affecting the ownership of the Industrial Establishment, and thereby exempt from ECRA.

Please let me know if you have require any further information regarding this matter.

Sincerely,

Paul Brustofski

cc: L. Graham - RCI/R.T.P.

Tel: (919) 990-7500
Fax: (919) 990-7711

ATTACHMENT Y-4

ECRA-009
12/87

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
INDUSTRIAL SITE EVALUATION ELEMENT
CN 028, TRENTON, N.J. 08625

ENVIRONMENTAL CLEANUP RESPONSIBILITY ACT (ECRA)

APPLICABILITY/NONAPPLICABILITY AFFIDAVIT

The purpose of this Affidavit is to obtain an Applicability/Nonapplicability Determination from the New Jersey Department of Environmental Protection pursuant to the Environmental Cleanup Responsibility Act, N.J. S.A. 13:1K-6 et seq. and N.J.A.C. 7:26B-1.9. Fee is $100.

PLEASE TYPE OR PRINT

Date _____

A. Determination of Applicability/Nonapplicability should be mailed to the following:

Name Gary F. Danis, Kerby, Cooper, English, Schaul & Garvin

Address 9 De Forest Avenue

City or Town Summit County Union

State N.J. Zip Code 07901 Tele. No. 201-273-1212

B. Name of Business DIC Americas, Inc.

Standard Industrial Classification (SIC) Number (if known) See Attachment A

C. Property Location for which request is being transmitted: - several

Street Address See Attachment A
Tax Block(s) _____ Tax Lot(s) _____
Municipality _____ County _____
State _____ Zip Code _____

D. Transaction for which the Applicability/Nonapplicability Determination is requested: *(Check appropriate transaction)*

____ Sale of Business and/or Property
____ Business Ceasing Operations
____ Refinancing/Construction Loan
____ Sale of Stock in Corporation
____ Condemnation
____ Bankruptcy
____ Corporate Merger
____ Partnership Situation Change
x Other: *(Explain)* Corporate Reorganization - Statutory Short Form Merger - See Attachment A

Date of Planned Transaction: Upon Approval of LNA

Purchaser:

Name N/A
Address _____
City or Town _____ County _____
State _____ Zip Code _____

ATTACHMENT Y-5

ECRA-009
12/87

E. Operations:

Note: The Property Owner must completely describe the operations and processes conducted at the site including a list of all tenants, their operations and processes, occupying any part of the property since December 31, 1983. *(Attach additional sheets if necessary.)*

N/A ECRA applicable operations

F. Current Owner of the Property for which an Applicability/Nonapplicability Determination is requested:

Name DIC Americas, Inc. through Reichhold Chemicals, Inc. & through PCC and RBH, see Attachment A

Street Address 210 North Central Road Municipality Fort Lee

State New Jersey Zip Code 07024 Tele. No. (201) 592-5100

G. 1. Previous Owners and history of on-site activities since December 31, 1983 (Attach additional sheets, if necessary): N/A See cover letter

Name	Address	Operations

2. Is this site currently or has this site previously been the subject of any other ECRA review?

N/A See cover letter

____Previous LNA Application
____Administrative Consent Order
____Active Case
____Negative Declaration
____Approved Cleanup Plan
____No prior ECRA Review

Please submit copies of previous submittals or approvals.

H. Hazardous Substances or Wastes: (This information is only required if the facility or business has a subject SIC and a subject transaction.) N/A See cover letter

List all types and quantities of hazardous substances or wastes including petroleum products that are generated, manufactured, refined, transported, treated, stored, handled or disposed at the property, both above and below ground, which are included in the Department's "List of Hazardous Substances" at Appendix A of N.J.A.C. 7:1E and any amount of any waste substances required to be reported to the Department on special waste manifest forms pursuant to N.J.A.C. 7:26-74, designated as a hazardous waste pursuant to N.J.A.C. 7:26-74, designated as a hazardous waste pursuant to N.J.A.C. 7:26-8, or as otherwise provided by law. *(Attach additional sheets if necessary.)*

I. How is the building(s) heated? *(Oil, Gas, Electric)*

Storage Capacity of each

N/A See cover letter

If Oil, how many tanks?

Above or below ground

ATTACHMENT Y-6

ECRA-009
12/87

J. CERTIFICATIONS:

1. The following certification shall be signed by the highest ranking individual at the site with overall responsibility for that site or activity. Where there is no individual at the site with overall responsibility for that site or activity, this certification shall be signed by the individual having responsibility for the overall operation of the site or activity. n/a See cover letter

I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of N.J.S.A. 13:1K-6 et seq., I am personally liable for the penalties set forth at N.J.S.A. 13:1K-8.

Typed/Printed Name _____ Title _____

Signature _____ Date _____

Sworn to and Subscribed Before Me
on this _____
Date of _____, 19 ___

_____
Notary

2. The following certification shall be signed as follows:

   1. For a corporation, by a principal executive officer of at least the level of vice president;
   2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
   3. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application 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 civil penalties for knowingly submitting false, inaccurate, or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of N.J.S.A. 13:1K-6 et seq. I am personally liable for the penalties set forth at N.J.S.A. 13:1K-8.

Typed/Printed Name Edward E. Barr Title President, DIC Amer In

Signature X Edward E Barr Date 11/8/88

Sworn to and Subscribed Before Me State of New Jersey, County of Bergen ss:
on this 8th
Date of November 19 88

Ruth Mutchler

RUTH MUTCHLER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires April 4, 1989

or $100? ____ Yes ____ No

ATTACHMENT Y-7

ATTACHMENT Z

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.: 9320088
Log in No. : 16887
P.O. No. : 89630
Date : June 24, 1993

SUMMARY DATA REPORT
PACKAGE FOR

NJDEPE

300 Horizon Center

Robbinsville, NJ 08691

ATTN: Frank Sorce
REF: Riechold Chemical

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE

SEE NEXT PAGE

WE CERTIFY THAT THIS REPORT IS A TRUE REPORT OF RESULTS OBTAINED FROM OUR TESTS OF THIS MATERIAL.

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.

REMO GIGANTE
EXEC. VICE PRESIDENT

NYS Lab ID. #10195
NJ Cert. #73469
dg

Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.

ATTACHMENT 2-1

box 1518 □ 60 seaview blvd., port washington, ny 11050 □ (516) 625-5500

NYTEST ENVIRONMENTAL Inc.

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
1688701	S-1	Soil
1688702	S-2	Soil
1688703	S-2MS	Soil
1688704	S-2MSD	Soil
1688705	S-3	Soil
1688706	S-4	Soil
1688707	S-5	Soil
1688708	FB-T	Water
1688709	FB-SS	Water

ATTACHMENT 2-2

Table of Contents

	Page
SDG Narrative	1 – 5
Form I	6 – 59
Form II	60 – 65
Form III	66 – 70
Form IV	71 – 102
Form VIII	103 – 116

ATTACHMENT 2-3

SDG Narrative

ATTACHMENT 2-4

nytest environmental inc.

SDG Narrative

Log In No.: 16887

VOLATILE FRACTION

System Monitoring Compounds

Samples S-1DL and S-2DL had all recoveries diluted out due to the high dilution of the samples. All other recoveries met QC criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Sample I15 from another client was utilized for the low level soil MS/MSD. All spike recoveries and RPDs were within QC limits. Sample S-2 was utilized for the medium level soil MS/MSD. All spike recoveries were within QC limits. Three (3) out of five (5) RPDs were outside the advisory QC limits.

Method Blanks

Methylene Chloride was detected in VBLKD53 and VBLK51 at a concentration within QC limits. No target compounds were detected in VBLKD51. Methylene Chloride and Acetone were detected in VBLKG78, VBLKG81 and VBLKG83 at concentrations within QC limits. Methylene Chloride, Acetone and Xylene were detected in VBLKG77 at concentrations within QC limits. One TIC was detected in VBLKG77, VBLKG78, VBLKG81 and VBLKG83.

Calibrations

The initial and continuing calibrations passed QC criteria.

Internal Standards

I15MSD had all responses outside QC limits. All responses were within QC limits in the unspiked sample and the MS. No further action was required. All retention times and all other area responses were within QC limits.

Samples

All samples were analyzed as per EPA CLP (3/90). S-1, S-2, S-1MS and S-1MSD were all analyzed as medium level soils at 20ul due to the nature of the sample matrix. Target compounds exceeded the calibration range of the instrument in S-1 and S-2. Both were reanalyzed at 5ul as S-1DL and S-2DL respectively. These runs were one day outside holding time. No further problems were encountered.

ATTACHMENT 2-15

nytest environmental inc.

SDG Narrative

Log In No.: 16887

SEMIVOLATILE FRACTION

Surrogates
S-1, S-3, S-4 and S-5 had recoveries outside QC limits. These samples were reextracted outside holding time and all recoveries were within QC limits. Both sets of data are included for each sample. All other recoveries met QC criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)
Sample S-2 was utilized for the MS/MSD. All spike recoveries were within QC limits for the MS/MSD. One out of eleven RPDs were outside the advisory QC limits.

Method Blanks
No target compounds were detected in SBLK42 or SBLK62. Seven TICs were detected in SBLK42 and one in SBLK62.

Calibrations
The initial and continuing calibrations passed QC criteria.

Internal Standards
All retention times and area responses were within QC limits.

Samples
S-1, S-3 and S-4 were analyzed at 1:2 dilutions along with the reextracted analysis of these samples. All samples were analyzed as per EPA CLP (3/90).

ATTACHMENT 2-6

nytest environmental inc

SDG Narrative

Log In No.: 16887

PESTICIDE/PCB FRACTION

Surrogates
DCB recovery on column DB-608 was above advisory QC limits for samples S-1, S-3 and S-4DL. All other recoveries met QC criteria.

Matrix Spike/Matrix Spike Duplicate(MS/MSD)
Sample S-2 was utilized for the MS/MSD. Recoveries of Heptachlor and 4,4'-DDT were outside QC limits for the MSD. All other recoveries and RPD values were within QC limits.

Method Blanks
No target compounds were detected in PBLK37.

Calibrations
All initial and continuing calibrations passed QC criteria.

Samples
All samples were analyzed as per EPA CLP (3/90). All samples received GPC cleanup. Based on screening analysis,all samples were analyzed at dilutions to meet baseline requirements. Sample S-4 was reanalyzed at a 1:20 dilution for quantitation of Aroclor 1254. Due to a GPC malfunction, all samples were lost during cleanup. The remaining 1ml of the samples extract was diluted to 10ml. The final volume was 0.5ml instead of 5.0ml, resulting in no dilution. No other problems were encountered.

GC/MS Confirmation
Aroclor 1254 was confirmed as a Semivolatile TIC for sample S-4.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Remo Gigante, Exec. VP

ATTACHMENT 2-8

Form I

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-SS

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1688709

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1419

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. ____ Date Analyzed: 05/24/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	16	B
67-64-1	Acetone	19	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000007

ATTACHMENT 2.10

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB-SS

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1688709

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1419

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. ____ Date Analyzed: 05/24/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0000008

ATTACHMENT 2-11

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-T

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1688708

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1418

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. ____ Date Analyzed: 05/24/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	14	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000009

ATTACHMENT 2-12

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I15

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1693520

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2312

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. 14 Date Analyzed: 05/28/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	7	BJ
67-64-1	Acetone	9	BJ
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

0000011

ATTACHMENT 2-12

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

I15

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16935 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1693520

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2312

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. 14 Date Analyzed: 05/28/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	8.13	7	JB

0000012

ATTACHMENT 2-14

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1

Name: NYTEST ENV INC Contract: 9320088

Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D5534

Level: (low/med) MED Date Received: 05/21/93

Percent Moisture: not dec. 16 Date Analyzed: 05/28/93

Column: PACK ID: 2.00 (mm) Dilution Factor: 5.0

Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	7100	U
74-83-9	Bromomethane	7100	U
75-01-4	Vinyl Chloride	7100	U
75-00-3	Chloroethane	7100	U
75-09-2	Methylene Chloride	7100	J
67-64-1	Acetone	7100	U
75-15-0	Carbon Disulfide	7100	U
75-35-4	1,1-Dichloroethene	7100	U
75-34-3	1,1-Dichloroethane	7100	U
540-59-0	1,2-Dichloroethene (total)	7100	U
67-66-3	Chloroform	7100	U
107-06-2	1,2-Dichloroethane	7100	U
78-93-3	2-Butanone	7100	U
71-55-6	1,1,1-Trichloroethane	7100	U
56-23-5	Carbon Tetrachloride	7100	U
75-27-4	Bromodichloromethane	7100	U
78-87-5	1,2-Dichloropropane	7100	U
10061-01-5	cis-1,3-Dichloropropene	7100	U
79-01-6	Trichloroethene	7100	U
124-48-1	Dibromochloromethane	7100	U
79-00-5	1,1,2-Trichloroethane	7100	U
71-43-2	Benzene	7100	U
10061-02-6	trans-1,3-Dichloropropene	7100	U
75-25-2	Bromoform	7100	U
108-10-1	4-Methyl-2-Pentanone	7100	U
591-78-6	2-Hexanone	7100	U
127-18-4	Tetrachloroethene	7100	U
79-34-5	1,1,2,2-Tetrachloroethane	7100	U
108-88-3	Toluene	4500	J
108-90-7	Chlorobenzene	7100	U
100-41-4	Ethylbenzene	61000	
100-42-5	Styrene	7100	U
1330-20-7	Xylene (total)	450000	E

0000013

ATTACHMENT 2-15

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-1

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D5534

Level: (low/med) MED Date Received: 05/21/93

% Moisture: not dec. 16 Date Analyzed: 05/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 5.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	23.17	8200	J
2.	C8H16 HYDROCARBON	26.57	5700	J
3.	UNKNOWN	28.27	12000	J
4.	UNKNOWN	29.67	11000	J
5.	UNKNOWN ALKANE	30.60	31000	J
6.	UNKNOWN	31.53	5800	J
7.	UNKNOWN	34.27	13000	J
8.	UNKNOWN	34.83	5400	J
9.	UNKNOWN ALKANE	35.20	11000	J
10.	UNKNOWN	36.23	12000	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1DL

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D5544

Level: (low/med) MED Date Received: 05/21/93

% Moisture: not dec. 16 Date Analyzed: 06/01/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 20.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	29000	U
74-83-9	Bromomethane	29000	U
75-01-4	Vinyl Chloride	29000	U
75-00-3	Chloroethane	29000	U
75-09-2	Methylene Chloride	17000	BDJ
67-64-1	Acetone	29000	U
75-15-0	Carbon Disulfide	29000	U
75-35-4	1,1-Dichloroethene	29000	U
75-34-3	1,1-Dichloroethane	29000	U
540-59-0	1,2-Dichloroethene (total)	29000	U
67-66-3	Chloroform	29000	U
107-06-2	1,2-Dichloroethane	29000	U
78-93-3	2-Butanone	29000	U
71-55-6	1,1,1-Trichloroethane	29000	U
56-23-5	Carbon Tetrachloride	29000	U
75-27-4	Bromodichloromethane	29000	U
78-87-5	1,2-Dichloropropane	29000	U
10061-01-5	cis-1,3-Dichloropropene	29000	U
79-01-6	Trichloroethene	29000	U
124-48-1	Dibromochloromethane	29000	U
79-00-5	1,1,2-Trichloroethane	29000	U
71-43-2	Benzene	29000	U
10061-02-6	trans-1,3-Dichloropropene	29000	U
75-25-2	Bromoform	29000	U
108-10-1	4-Methyl-2-Pentanone	29000	U
591-78-6	2-Hexanone	29000	U
127-18-4	Tetrachloroethene	29000	U
79-34-5	1,1,2,2-Tetrachloroethane	29000	U
108-88-3	Toluene	4200	DJ
108-90-7	Chlorobenzene	29000	U
100-41-4	Ethylbenzene	51000	D
100-42-5	Styrene	29000	U
1330-20-7	Xylene (total)	390000	D

0000015

ATTACHMENT 2-17

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-1DL

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D5544

Level: (low/med) MED Date Received: 05/21/93

% Moisture: not dec. 16 Date Analyzed: 06/01/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 20.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	28.43	16000	J
2.	UNKNOWN	30.80	32000	J
3.	UNKNOWN	34.50	19000	J

0000016

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-2

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688702

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D5535

Level: (low/med) MED Date Received: 05/21/93

% Moisture: not dec. 16 Date Analyzed: 05/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 5.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	7100	U
74-83-9	Bromomethane	7100	U
75-01-4	Vinyl Chloride	7100	U
75-00-3	Chloroethane	7100	U
75-09-2	Methylene Chloride	4500	J
67-64-1	Acetone	7100	U
75-15-0	Carbon Disulfide	7100	U
75-35-4	1,1-Dichloroethene	7100	U
75-34-3	1,1-Dichloroethane	7100	U
540-59-0	1,2-Dichloroethene (total)	7100	U
67-66-3	Chloroform	7100	U
107-06-2	1,2-Dichloroethane	7100	U
78-93-3	2-Butanone	7100	U
71-55-6	1,1,1-Trichloroethane	7100	U
56-23-5	Carbon Tetrachloride	7100	U
75-27-4	Bromodichloromethane	7100	U
78-87-5	1,2-Dichloropropane	7100	U
10061-01-5	cis-1,3-Dichloropropene	7100	U
79-01-6	Trichloroethene	7100	U
124-48-1	Dibromochloromethane	7100	U
79-00-5	1,1,2-Trichloroethane	7100	U
71-43-2	Benzene	7100	U
10061-02-6	trans-1,3-Dichloropropene	7100	U
75-25-2	Bromoform	7100	U
108-10-1	4-Methyl-2-Pentanone	7100	U
591-78-6	2-Hexanone	7100	U
127-18-4	Tetrachloroethene	7100	U
79-34-5	1,1,2,2-Tetrachloroethane	7100	U
108-88-3	Toluene	5800	J
108-90-7	Chlorobenzene	7100	U
100-41-4	Ethylbenzene	43000	
100-42-5	Styrene	7100	U
1330-20-7	Xylene (total)	460000	E

0000017

ATTACHMENT 2-19

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-2

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688702

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D5535

Level: (low/med) MED Date Received: 05/21/93

% Moisture: not dec. 16 Date Analyzed: 05/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 5.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	23.13	26000	J
2.	UNKNOWN	28.43	4400	J
3.	UNKNOWN	29.83	4100	J
4.	UNKNOWN CYCLIC	30.63	6900	J
5.	UNKNOWN AROMATIC	31.23	10000	J
6.	UNKNOWN	34.60	8300	J
7.	UNKNOWN	35.00	5000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-2DL

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688702

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D5545

Level: (low/med) MED Date Received: 05/21/93

% Moisture: not dec. 16 Date Analyzed: 06/01/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 20.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	29000	U
74-83-9	Bromomethane	29000	U
75-01-4	Vinyl Chloride	29000	U
75-00-3	Chloroethane	29000	U
75-09-2	Methylene Chloride	22000	BDJ
67-64-1	Acetone	29000	U
75-15-0	Carbon Disulfide	29000	U
75-35-4	1,1-Dichloroethene	29000	U
75-34-3	1,1-Dichloroethane	29000	U
540-59-0	1,2-Dichloroethene (total)	29000	U
67-66-3	Chloroform	29000	U
107-06-2	1,2-Dichloroethane	29000	U
78-93-3	2-Butanone	29000	U
71-55-6	1,1,1-Trichloroethane	29000	U
56-23-5	Carbon Tetrachloride	29000	U
75-27-4	Bromodichloromethane	29000	U
78-87-5	1,2-Dichloropropane	29000	U
10061-01-5	cis-1,3-Dichloropropene	29000	U
79-01-6	Trichloroethene	29000	U
124-48-1	Dibromochloromethane	29000	U
79-00-5	1,1,2-Trichloroethane	29000	U
71-43-2	Benzene	29000	U
10061-02-6	trans-1,3-Dichloropropene	29000	U
75-25-2	Bromoform	29000	U
108-10-1	4-Methyl-2-Pentanone	29000	U
591-78-6	2-Hexanone	29000	U
127-18-4	Tetrachloroethene	29000	U
79-34-5	1,1,2,2-Tetrachloroethane	29000	U
108-88-3	Toluene	5100	DJ
108-90-7	Chlorobenzene	29000	U
100-41-4	Ethylbenzene	35000	D
100-42-5	Styrene	29000	U
1330-20-7	Xylene (total)	350000	D

0000019

ATTACHMENT 2-21

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-2DL

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688702

Sample wt/vol: 4.0 (g/mL) G Lab File ID: D5545

Level: (low/med) MED Date Received: 05/21/93

% Moisture: not dec. 16 Date Analyzed: 06/01/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 20.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0000020

ATTACHMENT 2-12

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-3

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688705

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2271

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. 13 Date Analyzed: 05/26/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	17	B
67-64-1	Acetone	17	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	2	BJ

0000021

ATTACHMENT 2-13

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-3

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688705

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2271

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. 13 Date Analyzed: 05/26/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0000022

ATTACHMENT 2-24

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-4

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688706

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2279

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. 26 Date Analyzed: 05/27/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	20	B
67-64-1	Acetone	14	B
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	2	J

0000023

ATTACHMENT 2-26

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-4

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688706

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2279

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. 26 Date Analyzed: 05/27/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	8.32	9	JB

0000024

ATTACHMENT 2-26

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-5

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688707

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2280

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. 11 Date Analyzed: 05/27/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	14	B
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

0000025

ATTACHMENT 2-27

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-5

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688707

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2280

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. 11 Date Analyzed: 05/27/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	8.30	6	JB

0000026

ATTACHMENT 2-28

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5384

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	790	U
111-44-4	bis(2-Chloroethyl)Ether	790	U
95-57-8	2-Chlorophenol	790	U
541-73-1	1,3-Dichlorobenzene	790	U
106-46-7	1,4-Dichlorobenzene	790	U
95-50-1	1,2-Dichlorobenzene	790	U
95-48-7	2-Methylphenol	790	U
108-60-1	2,2'-oxybis(1-Chloropropane)	790	U
106-44-5	4-Methylphenol	790	U
621-64-7	N-Nitroso-di-n-propylamine	790	U
67-72-1	Hexachloroethane	790	U
98-95-3	Nitrobenzene	790	U
78-59-1	Isophorone	790	U
88-75-5	2-Nitrophenol	790	U
105-67-9	2,4-Dimethylphenol	790	U
111-91-1	bis(2-Chloroethoxy)methane	790	U
120-83-2	2,4-Dichlorophenol	790	U
120-82-1	1,2,4-Trichlorobenzene	790	U
91-20-3	Naphthalene	2000	
106-47-8	4-Chloroaniline	790	U
87-68-3	Hexachlorobutadiene	790	U
59-50-7	4-Chloro-3-methylphenol	790	U
91-57-6	2-Methylnaphthalene	1400	
77-47-4	Hexachlorocyclopentadiene	790	U
88-06-2	2,4,6-Trichlorophenol	790	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	790	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	790	U
208-96-8	Acenaphthylene	790	U
606-20-2	2,6-Dinitrotoluene	790	U
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	790	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5384

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	790	U
121-14-2	2,4-Dinitrotoluene	790	U
84-66-2	Diethylphthalate	790	U
7005-72-3	4-Chlorophenyl-phenylether	790	U
86-73-7	Fluorene	790	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	790	U
101-55-3	4-Bromophenyl-phenylether	790	U
118-74-1	Hexachlorobenzene	790	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	790	U
120-12-7	Anthracene	790	U
86-74-8	Carbazole	790	U
84-74-2	Di-n-Butylphthalate	790	U
206-44-0	Fluoranthene	81	J
129-00-0	Pyrene	790	U
85-68-7	Butylbenzylphthalate	790	U
91-94-1	3,3'-Dichlorobenzidine	790	U
56-55-3	Benzo(a)anthracene	790	U
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	980	
117-84-0	Di-n-octylphthalate	110	J
205-99-2	Benzo(b)fluoranthene	170	J
207-08-9	Benzo(k)fluoranthene	150	J
50-32-8	Benzo(a)pyrene	790	U
193-39-5	Indeno(1,2,3-cd)pyrene	790	U
53-70-3	Dibenz(a,h)anthracene	790	U
191-24-2	Benzo(g,h,i)perylene	790	U

0000028

ATTACHMENT 2-30

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-1

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5384

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC cleanup: (Y/N) Y pH: 7.3

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.81	420	J
2.	UNKNOWN CYCLOALKANE	8.03	860	J
3.	UNKNOWN	8.15	490	JB
4.	UNKNOWN	8.29	730	J
5.	UNKNOWN	8.50	2300	J
6.	UNKNOWN	8.66	1700	J
7.	UNKNOWN	8.92	1400	J
8.	UNKNOWN ALKANE	9.05	2200	J
9.	UNKNOWN ALKANE	9.80	6900	J
10.	UNKNOWN ALKANE	10.23	2900	J
11.	UNKNOWN ALKANE	10.33	2200	J
12.	UNKNOWN ALKANE	10.43	880	J
13.	UNKNOWN ALKANE	10.86	5200	J
14.	UNKNOWN ALKANE	11.27	730	J
15.	C10H14 AROMATIC HYDROCARBON	11.39	1500	J
16.	UNKNOWN ALKANE	11.65	4500	J
17.	UNKNOWN ALKANE	11.92	450	J
18.	C10H14 AROMATIC HYDROCARBON	12.06	1100	J
19.	UNKNOWN ALKANE	13.55	260	J
20.	UNKNOWN ALKANE	14.49	220	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5618

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	790	U
111-44-4	bis(2-Chloroethyl)Ether	790	U
95-57-8	2-Chlorophenol	790	U
541-73-1	1,3-Dichlorobenzene	790	U
106-46-7	1,4-Dichlorobenzene	790	U
95-50-1	1,2-Dichlorobenzene	790	U
95-48-7	2-Methylphenol	790	U
108-60-1	2,2'-oxybis(1-Chloropropane)	790	U
106-44-5	4-Methylphenol	790	U
621-64-7	N-Nitroso-di-n-propylamine	790	U
67-72-1	Hexachloroethane	790	U
98-95-3	Nitrobenzene	790	U
78-59-1	Isophorone	1200	
88-75-5	2-Nitrophenol	790	U
105-67-9	2,4-Dimethylphenol	790	U
111-91-1	bis(2-Chloroethoxy)methane	790	U
120-83-2	2,4-Dichlorophenol	790	U
120-82-1	1,2,4-Trichlorobenzene	790	U
91-20-3	Naphthalene	350	J
106-47-8	4-Chloroaniline	790	U
87-68-3	Hexachlorobutadiene	790	U
59-50-7	4-Chloro-3-methylphenol	790	U
91-57-6	2-Methylnaphthalene	310	J
77-47-4	Hexachlorocyclopentadiene	790	U
88-06-2	2,4,6-Trichlorophenol	790	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	790	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	790	U
208-96-8	Acenaphthylene	790	U
606-20-2	2,6-Dinitrotoluene	790	U
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	790	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5618

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	790	U
121-14-2	2,4-Dinitrotoluene	790	U
84-66-2	Diethylphthalate	790	U
7005-72-3	4-Chlorophenyl-phenylether	790	U
86-73-7	Fluorene	790	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	790	U
101-55-3	4-Bromophenyl-phenylether	790	U
118-74-1	Hexachlorobenzene	790	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	790	U
120-12-7	Anthracene	790	U
86-74-8	Carbazole	790	U
84-74-2	Di-n-Butylphthalate	790	U
206-44-0	Fluoranthene	790	U
129-00-0	Pyrene	790	U
85-68-7	Butylbenzylphthalate	790	U
91-94-1	3,3'-Dichlorobenzidine	790	U
56-55-3	Benzo(a)anthracene	790	U
218-01-9	Chrysene	790	U
117-81-7	bis(2-Ethylhexyl)phthalate	960	
117-84-0	Di-n-octylphthalate	790	U
205-99-2	Benzo(b)fluoranthene	790	U
207-08-9	Benzo(k)fluoranthene	790	U
50-32-8	Benzo(a)pyrene	790	U
193-39-5	Indeno(1,2,3-cd)pyrene	790	U
53-70-3	Dibenz(a,h)anthracene	790	U
191-24-2	Benzo(g,h,i)perylene	790	U

0000031

ATTACHMENT 2-33

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

S-1RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5618

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.54	1500	JA
2.	UNKNOWN CYCLOALKANE	7.70	1400	J
3.	UNKNOWN ALKANE	7.92	960	J
4.	UNKNOWN CYCLOALKANE	8.20	680	J
5.	UNKNOWN ALKANE	8.39	2000	J
6.	UNKNOWN ALKANE	8.55	1700	J
7.	UNKNOWN ALKANE	8.82	1200	J
8.	UNKNOWN ALKANE	9.00	4200	J
9.	UNKNOWN ALKANE	10.12	2500	J
10.	UNKNOWN ALKANE	10.22	1200	J
11.	UNKNOWN ALKANE	10.32	900	J
12.	UNKNOWN ALKANE	10.81	1700	J
13.	UNKNOWN ALKANE	10.87	2800	J
14.	UNKNOWN ALKANE	11.14	650	J
15.	UNKNOWN ALKANE	11.53	4900	J
16.	UNKNOWN ALKANE	11.81	670	J
17.	UNKNOWN	11.93	1100	J
18.	UNKNOWN ALKANE	12.44	540	J
19.	UNKNOWN ALKANE	12.52	250	J
20.	UNKNOWN	12.61	580	J
21.	UNKNOWN ALKANE	12.71	560	J

0000032

ATTACHMENT 2-34

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-2

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5385

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	100	J
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	40	J
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	460	
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	69	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	530	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-2

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5385

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	41	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	530	
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

0000034

ATTACHMENT 2-36

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-2

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5385

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.18	1100	J
2.	UNKNOWN	8.51	6600	J
3.	UNKNOWN ALKANE	8.67	620	J
4.	UNKNOWN ALKANE	8.93	1300	J
5.	UNKNOWN ALKANE	9.06	2700	J
6.	UNKNOWN CYCLOALKANE	9.56	820	J
7.	UNKNOWN CYCLOALKANE	9.81	860	J
8.	UNKNOWN ALKANE	10.24	910	J
9.	UNKNOWN ALKANE	10.32	1100	J
10.	UNKNOWN ALKANE	10.87	1800	J
11.	UNKNOWN ALKANE	10.99	1800	J
12.	C10H14 AROMATIC HYDROCARBON	11.38	1000	J
13.	C10H14 AROMATIC HYDROCARBON	12.07	450	J
14.	UNKNOWN ALKANE	12.56	540	J
15.	UNKNOWN	14.29	920	J
16.	UNKNOWN	14.58	1300	J
17.	UNKNOWN	23.81	710	J
18.	UNKNOWN	23.97	410	J
19.	UNKNOWN AROMATIC	24.55	1100	J
20.	UNKNOWN	25.18	3400	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-3

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688705

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5402

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.7

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	760	U
111-44-4	bis(2-Chloroethyl)Ether	760	U
95-57-8	2-Chlorophenol	760	U
541-73-1	1,3-Dichlorobenzene	760	U
106-46-7	1,4-Dichlorobenzene	760	U
95-50-1	1,2-Dichlorobenzene	760	U
95-48-7	2-Methylphenol	760	U
108-60-1	2,2'-oxybis(1-Chloropropane)	760	U
106-44-5	4-Methylphenol	760	U
621-64-7	N-Nitroso-di-n-propylamine	760	U
67-72-1	Hexachloroethane	760	U
98-95-3	Nitrobenzene	760	U
78-59-1	Isophorone	760	U
88-75-5	2-Nitrophenol	760	U
105-67-9	2,4-Dimethylphenol	760	U
111-91-1	bis(2-Chloroethoxy)methane	760	U
120-83-2	2,4-Dichlorophenol	760	U
120-82-1	1,2,4-Trichlorobenzene	760	U
91-20-3	Naphthalene	760	U
106-47-8	4-Chloroaniline	760	U
87-68-3	Hexachlorobutadiene	760	U
59-50-7	4-Chloro-3-methylphenol	760	U
91-57-6	2-Methylnaphthalene	760	U
77-47-4	Hexachlorocyclopentadiene	760	U
88-06-2	2,4,6-Trichlorophenol	760	U
95-95-4	2,4,5-Trichlorophenol	160	J
91-58-7	2-Chloronaphthalene	760	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	760	U
208-96-8	Acenaphthylene	760	U
606-20-2	2,6-Dinitrotoluene	760	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	760	U

0000036

ATTACHMENT Z-38

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-3

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688705

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5402

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.7

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	760	U
121-14-2	2,4-Dinitrotoluene	760	U
84-66-2	Diethylphthalate	270	J
7005-72-3	4-Chlorophenyl-phenylether	760	U
86-73-7	Fluorene	760	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	760	U
101-55-3	4-Bromophenyl-phenylether	760	U
118-74-1	Hexachlorobenzene	200	J
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	760	U
86-74-8	Carbazole	760	U
84-74-2	Di-n-Butylphthalate	760	U
206-44-0	Fluoranthene	200	J
129-00-0	Pyrene	210	J
85-68-7	Butylbenzylphthalate	760	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)anthracene	760	U
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)phthalate	1000	
117-84-0	Di-n-octylphthalate	760	U
205-99-2	Benzo(b)fluoranthene	140	J
207-08-9	Benzo(k)fluoranthene	760	U
50-32-8	Benzo(a)pyrene	760	U
193-39-5	Indeno(1,2,3-cd)pyrene	760	U
53-70-3	Dibenz(a,h)anthracene	760	U
191-24-2	Benzo(g,h,i)perylene	760	U

0000037

ATTACHMENT Z-39

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-3

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688705

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5402

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.57	620	J
2.	UNKNOWN	7.83	550	J
3.	UNKNOWN	8.06	2300	J
4.	UNKNOWN	8.14	1600	JB
5.	UNKNOWN	8.77	500	J
6.	UNKNOWN	8.93	650	J
7.	UNKNOWN	9.13	490	J
8.	UNKNOWN	9.24	340	J
9.	UNKNOWN	9.54	360	J
10.	UNKNOWN	9.93	730	JB
11.	UNKNOWN	14.25	310	J
12.	UNKNOWN	15.37	600	J
13.	UNKNOWN	16.69	270	J
14.	UNKNOWN ACID	23.13	670	J
15.	UNKNOWN ALKANE	23.56	160	J
16.	UNKNOWN	23.93	310	J
17.	UNKNOWN ALKANE	24.58	270	J
18.	UNKNOWN	24.87	210	J
19.	UNKNOWN ALKANE	26.50	1000	J
20.	UNKNOWN ALKANE	28.83	980	J

0000038

ATTACHMENT 2-40

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-3RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688705

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5619

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	760	U
111-44-4	bis(2-Chloroethyl)Ether	760	U
95-57-8	2-Chlorophenol	760	U
541-73-1	1,3-Dichlorobenzene	760	U
106-46-7	1,4-Dichlorobenzene	760	U
95-50-1	1,2-Dichlorobenzene	760	U
95-48-7	2-Methylphenol	760	U
108-60-1	2,2'-oxybis(1-Chloropropane)	760	U
106-44-5	4-Methylphenol	760	U
621-64-7	N-Nitroso-di-n-propylamine	760	U
67-72-1	Hexachloroethane	760	U
98-95-3	Nitrobenzene	760	U
78-59-1	Isophorone	760	U
88-75-5	2-Nitrophenol	760	U
105-67-9	2,4-Dimethylphenol	760	U
111-91-1	bis(2-Chloroethoxy)methane	760	U
120-83-2	2,4-Dichlorophenol	760	U
120-82-1	1,2,4-Trichlorobenzene	760	U
91-20-3	Naphthalene	760	U
106-47-8	4-Chloroaniline	760	U
87-68-3	Hexachlorobutadiene	760	U
59-50-7	4-Chloro-3-methylphenol	760	U
91-57-6	2-Methylnaphthalene	760	U
77-47-4	Hexachlorocyclopentadiene	760	U
88-06-2	2,4,6-Trichlorophenol	760	U
95-95-4	2,4,5-Trichlorophenol	120	J
91-58-7	2-Chloronaphthalene	760	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	760	U
208-96-8	Acenaphthylene	760	U
606-20-2	2,6-Dinitrotoluene	760	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	760	U

0000039

ATTACHMENT 2-41

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-3RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688705

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5619

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	760	U
121-14-2	2,4-Dinitrotoluene	760	U
84-66-2	Diethylphthalate	760	U
7005-72-3	4-Chlorophenyl-phenylether	760	U
86-73-7	Fluorene	760	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	760	U
101-55-3	4-Bromophenyl-phenylether	760	U
118-74-1	Hexachlorobenzene	170	J
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	760	U
120-12-7	Anthracene	760	U
86-74-8	Carbazole	760	U
84-74-2	Di-n-Butylphthalate	760	U
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	760	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)anthracene	760	U
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	830	
117-84-0	Di-n-octylphthalate	760	U
205-99-2	Benzo(b)fluoranthene	760	U
207-08-9	Benzo(k)fluoranthene	760	U
50-32-8	Benzo(a)pyrene	760	U
193-39-5	Indeno(1,2,3-cd)pyrene	760	U
53-70-3	Dibenz(a,h)anthracene	760	U
191-24-2	Benzo(g,h,i)perylene	760	U

0000040

ATTACHMENT 2.42

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

S-3RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688705

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5619

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.71	720	J
2.	UNKNOWN	7.48	470	J
3.	UNKNOWN	7.70	600	J
4.	UNKNOWN	7.95	2900	J
5.	UNKNOWN	8.94	270	J
6.	UNKNOWN	9.06	620	J
7.	UNKNOWN	10.69	380	J
8.	UNKNOWN	11.58	220	J
9.	SUBSTITUTED PHENOL	14.77	550	J
10.	UNKNOWN	16.58	410	J
11.	UNKNOWN ALKANE	22.37	200	J
12.	UNKNOWN ACID	23.00	830	JB
13.	UNKNOWN	23.79	240	J
14.	UNKNOWN ALKANE	24.44	200	J
15.	UNKNOWN	24.71	180	J
16.	UNKNOWN ACID	25.03	240	J
17.	UNKNOWN AROMATIC	25.95	560	J
18.	UNKNOWN ALKANE	26.33	610	J
19.	UNKNOWN ALKANE	28.58	470	J
20.	UNKNOWN ALKANE	36.45	690	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-4

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688706

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5403

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	890	U
111-44-4	bis(2-Chloroethyl)Ether	890	U
95-57-8	2-Chlorophenol	890	U
541-73-1	1,3-Dichlorobenzene	890	U
106-46-7	1,4-Dichlorobenzene	890	U
95-50-1	1,2-Dichlorobenzene	890	U
95-48-7	2-Methylphenol	890	U
108-60-1	2,2'-oxybis(1-Chloropropane)	890	U
106-44-5	4-Methylphenol	890	U
621-64-7	N-Nitroso-di-n-propylamine	890	U
67-72-1	Hexachloroethane	890	U
98-95-3	Nitrobenzene	890	U
78-59-1	Isophorone	890	U
88-75-5	2-Nitrophenol	890	U
105-67-9	2,4-Dimethylphenol	890	U
111-91-1	bis(2-Chloroethoxy)methane	890	U
120-83-2	2,4-Dichlorophenol	890	U
120-82-1	1,2,4-Trichlorobenzene	890	U
91-20-3	Naphthalene	890	U
106-47-8	4-Chloroaniline	890	U
87-68-3	Hexachlorobutadiene	890	U
59-50-7	4-Chloro-3-methylphenol	890	U
91-57-6	2-Methylnaphthalene	890	U
77-47-4	Hexachlorocyclopentadiene	890	U
88-06-2	2,4,6-Trichlorophenol	890	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	890	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	890	U
208-96-8	Acenaphthylene	890	U
606-20-2	2,6-Dinitrotoluene	890	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	890	U

0000042

ATTACHMENT 2-44

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

S-4

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688706

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5403

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	890	U
121-14-2	2,4-Dinitrotoluene	890	U
84-66-2	Diethylphthalate	890	U
7005-72-3	4-Chlorophenyl-phenylether	890	U
86-73-7	Fluorene	890	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	890	U
101-55-3	4-Bromophenyl-phenylether	890	U
118-74-1	Hexachlorobenzene	890	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	240	J
120-12-7	Anthracene	890	U
86-74-8	Carbazole	890	U
84-74-2	Di-n-Butylphthalate	890	U
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	890	U
91-94-1	3,3'-Dichlorobenzidine	890	U
56-55-3	Benzo(a)anthracene	120	J
218-01-9	Chrysene	380	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	J
117-84-0	Di-n-octylphthalate	290	J
205-99-2	Benzo(b)fluoranthene	400	J
207-08-9	Benzo(k)fluoranthene	250	J
50-32-8	Benzo(a)pyrene	890	U
193-39-5	Indeno(1,2,3-cd)pyrene	890	U
53-70-3	Dibenz(a,h)anthracene	890	U
191-24-2	Benzo(g,h,i)perylene	890	U

0000043

ATTACHMENT 2-45

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-4

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688706

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5403

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.80	4400	J
2.	UNKNOWN	7.56	1000	J
3.	UNKNOWN	7.82	690	J
4.	UNKNOWN	8.06	8600	J
5.	UNKNOWN	8.15	140000	J
6.	UNKNOWN	8.75	780	J
7.	UNKNOWN	9.14	690	J
8.	UNKNOWN	9.75	660	J
9.	UNKNOWN	9.93	760	J
10.	UNKNOWN	10.44	1900	J
11.	UNKNOWN ACID	12.72	430	J
12.	UNKNOWN	13.00	660	J
13.	UNKNOWN ACID	13.12	780	J
14.	UNKNOWN ACID	14.26	450	J
15.	UNKNOWN	15.38	650	J
16.	UNKNOWN ACID	23.15	1200	J
17.	UNKNOWN AROMATIC	23.45	450	J
18.	UNKNOWN AROMATIC	23.92	1100	J
19.	UNKNOWN AROMATIC	25.33	480	J
20.	UNKNOWN AROMATIC	26.12	4700	J

0000044

ATTACHMENT 2-46

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-4RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688706

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5620

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	890	U
111-44-4	bis(2-Chloroethyl)Ether	890	U
95-57-8	2-Chlorophenol	890	U
541-73-1	1,3-Dichlorobenzene	890	U
106-46-7	1,4-Dichlorobenzene	890	U
95-50-1	1,2-Dichlorobenzene	890	U
95-48-7	2-Methylphenol	890	U
108-60-1	2,2'-oxybis(1-Chloropropane)	890	U
106-44-5	4-Methylphenol	890	U
621-64-7	N-Nitroso-di-n-propylamine	600	J
67-72-1	Hexachloroethane	890	U
98-95-3	Nitrobenzene	890	U
78-59-1	Isophorone	890	U
88-75-5	2-Nitrophenol	890	U
105-67-9	2,4-Dimethylphenol	890	U
111-91-1	bis(2-Chloroethoxy)methane	890	U
120-83-2	2,4-Dichlorophenol	890	U
120-82-1	1,2,4-Trichlorobenzene	890	U
91-20-3	Naphthalene	890	U
106-47-8	4-Chloroaniline	890	U
87-68-3	Hexachlorobutadiene	890	U
59-50-7	4-Chloro-3-methylphenol	890	U
91-57-6	2-Methylnaphthalene	890	U
77-47-4	Hexachlorocyclopentadiene	890	U
88-06-2	2,4,6-Trichlorophenol	890	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	890	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	890	U
208-96-8	Acenaphthylene	890	U
606-20-2	2,6-Dinitrotoluene	890	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	890	U

0000045

ATTACHMENT 2-47

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-5

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5404

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	370	U

ATTACHMENT Z-48

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-4RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688706

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5620

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	890	U
121-14-2	2,4-Dinitrotoluene	890	U
84-66-2	Diethylphthalate	890	U
7005-72-3	4-Chlorophenyl-phenylether	890	U
86-73-7	Fluorene	890	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	890	U
101-55-3	4-Bromophenyl-phenylether	890	U
118-74-1	Hexachlorobenzene	890	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	890	U
86-74-8	Carbazole	890	U
84-74-2	Di-n-Butylphthalate	890	U
206-44-0	Fluoranthene	260	J
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	890	U
91-94-1	3,3'-Dichlorobenzidine	890	U
56-55-3	Benzo(a)anthracene	110	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	190	J
205-99-2	Benzo(b)fluoranthene	240	J
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	890	U
193-39-5	Indeno(1,2,3-cd)pyrene	890	U
53-70-3	Dibenz(a,h)anthracene	890	U
191-24-2	Benzo(g,h,i)perylene	890	U

0000046

ATTACHMENT Z-49

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-4RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688706

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5620

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.54	15000	JA
2.	UNKNOWN	7.97	2600	J
3.	UNKNOWN	10.33	1200	J
4.	UNKNOWN	12.90	380	J
5.	UNKNOWN	13.02	580	J
6.	SUBSTITUTED PHENOL	14.77	670	J
7.	UNKNOWN	16.93	230	J
8.	UNKNOWN ACID	23.00	1600	JB
9.	UNKNOWN	23.43	240	J
10.	UNKNOWN AROMATIC	23.77	850	J
11.	UNKNOWN	24.10	270	J
12.	UNKNOWN ACID	25.04	550	J
13.	UNKNOWN AROMATIC	25.16	530	J
14.	UNKNOWN AROMATIC	25.28	260	J
15.	UNKNOWN AROMATIC	25.95	1800	J
16.	UNKNOWN	26.21	510	J
17.	UNKNOWN AROMATIC	26.47	1700	J
18.	UNKNOWN AROMATIC	26.96	580	J
19.	UNKNOWN AROMATIC	27.10	730	J
20.	UNKNOWN AROMATIC	27.67	920	J
21.	UNKNOWN	28.82	530	J

0000047

ATTACHMENT Z-50

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-5

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5404

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	54	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

0000049

ATTACHMENT 2-51

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-5

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5404

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.80	500	J
2.	UNKNOWN	6.88	490	J
3.	UNKNOWN	7.57	300	J
4.	UNKNOWN	7.83	82	J
5.	UNKNOWN	8.16	1700	JB
6.	UNKNOWN	8.50	160	JB
7.	UNKNOWN	8.75	420	JB
8.	UNKNOWN	8.95	330	JB
9.	UNKNOWN	9.03	190	J
10.	UNKNOWN	9.15	180	J
11.	UNKNOWN	9.54	170	J
12.	UNKNOWN	9.92	630	JB
13.	UNKNOWN	11.41	220	J
14.	UNKNOWN AROMATIC	12.36	200	JB
15.	UNKNOWN AROMATIC	14.48	170	J
16.	UNKNOWN	14.70	160	J
17.	UNKNOWN	15.43	110	J
18.	UNKNOWN AROMATIC	21.18	120	J
19.	UNKNOWN ACID	23.13	430	J
20.	UNKNOWN	28.85	300	J

0000050

ATTACHMENT 2-52

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-5RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5621

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	370	U

0000051

ATTACHMENT 2-53

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-5RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5621

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	83	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

0000052

ATTACHMENT 2-54

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-5

ab Name: NYTEST ENV INC Contract: 9320088

ab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

atrix: (soil/water) SOIL Lab Sample ID: 1688707

ample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Moisture: 11 decanted: (Y/N) N Date Received: 05/21/93

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/93

oncentrated Extract Volume: 5000 (uL) Date Analyzed: 06/10/93

jection Volume: 1.00 (uL) Dilution Factor: 3.00

PC Cleanup: (Y/N) Y pH: 6.6 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.7	U
319-85-7	beta-BHC	5.7	U
319-86-8	delta-BHC	5.7	U
58-89-9	gamma-BHC (Lindane)	5.7	U
76-44-8	Heptachlor	5.7	U
309-00-2	Aldrin	5.7	U
1024-57-3	Heptachlor epoxide	5.7	U
959-98-8	Endosulfan I	5.7	U
60-57-1	Dieldrin	11	U
72-55-9	4,4'-DDE	11	U
72-20-8	Endrin	11	U
33213-65-9	Endosulfan II	11	U
72-54-8	4,4'-DDD	11	U
1031-07-8	Endosulfan sulfate	11	U
50-29-3	4,4'-DDT	11	U
72-43-5	Methoxychlor	57	U
53494-70-5	Endrin ketone	11	U
7421-93-4	Endrin aldehyde	11	U
5103-71-9	alpha-Chlordane	5.7	U
5103-74-2	gamma-Chlordane	5.7	U
8001-35-2	Toxaphene	570	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	230	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	480	
11096-82-5	Aroclor-1260	110	U

0000059

ATTACHMENT 2-C

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-5RE

Lab Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F5621

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 06/10/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.46	140	J
2.	UNKNOWN	7.93	710	J
3.	UNKNOWN	8.26	100	J
4.	UNKNOWN	9.03	170	J
5.	UNKNOWN ACID	20.75	80	J
6.	UNKNOWN ACID	22.98	530	JB
7.	UNKNOWN AROMATIC	23.75	99	J

0000053

ATTACHMENT 2-55

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1

a Name: NYTEST ENV INC Contract: 9320088

a Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

atrix: (soil/water) SOIL Lab Sample ID: 1688701

ple wt/vol: 30.0 (g/mL) G Lab File ID: _____

Moisture: 16 decanted: (Y/N) N Date Received: 05/21/93

traction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/93

ncentrated Extract Volume: 5000 (uL) Date Analyzed: 06/12/93

njection Volume: 1.00 (uL) Dilution Factor: 5.00

C Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	20	U
72-20-8	Endrin	20	U
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	Endosulfan sulfate	20	U
50-29-3	4,4'-DDT	30	P
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	20	U
7421-93-4	Endrin aldehyde	20	U
5103-71-9	alpha-Chlordane	10	U
5103-74-2	gamma-Chlordane	10	U
8001-35-2	Toxaphene	1000	U
12674-11-2	Aroclor-1016	200	U
11104-28-2	Aroclor-1221	400	U
11141-16-5	Aroclor-1232	200	U
53469-21-9	Aroclor-1242	200	U
12672-29-6	Aroclor-1248	200	U
11097-69-1	Aroclor-1254	980	P
11096-82-5	Aroclor-1260	200	U

0000054

ATTACHMENT 2-56

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-5

Name: NYTEST ENV INC Contract: 9320088

Lab Code: NYTEST Case No.: 16887 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 1688707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Moisture: 11 decanted: (Y/N) N Date Received: 05/21/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/10/93

Injection Volume: 1.00 (uL) Dilution Factor: 3.00

GPC Cleanup: (Y/N) Y pH: 6.6 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.7	U
319-85-7	beta-BHC	5.7	U
319-86-8	delta-BHC	5.7	U
58-89-9	gamma-BHC (Lindane)	5.7	U
76-44-8	Heptachlor	5.7	U
309-00-2	Aldrin	5.7	U
1024-57-3	Heptachlor epoxide	5.7	U
959-98-8	Endosulfan I	5.7	U
60-57-1	Dieldrin	11	U
72-55-9	4,4'-DDE	11	U
72-20-8	Endrin	11	U
33213-65-9	Endosulfan II	11	U
72-54-8	4,4'-DDD	11	U
1031-07-8	Endosulfan sulfate	11	U
50-29-3	4,4'-DDT	11	U
72-43-5	Methoxychlor	57	U
53494-70-5	Endrin ketone	11	U
7421-93-4	Endrin aldehyde	11	U
5103-71-9	alpha-Chlordane	5.7	U
5103-74-2	gamma-Chlordane	5.7	U
8001-35-2	Toxaphene	570	U
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	230	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	480	
11096-82-5	Aroclor-1260	110	U

0000059

ATTACHMENT 2-5

Inorganic Data

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9320088___

Lab Code: 73469_ Case No.: 16887 SAS No.: _____ SDG No.:278___

OW No.: 3/90_

EPA Sample No.	Lab Sample ID
S-1XXX	688701
S-2XXX	688702
S-2XXXD	688703D
S-2XXXS	688704S
S-3XXX	688705
S-4XXX	688706
S-5XXX	688707

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES

If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Lori Beyer Name: Lori Beyer

Date: 6/28/93 Title: Document Control Officer

Laboratory Chronicle

Client Name : NJDEPE

Login No. : 16887

Date Received : 05/21/93

Sample ID : AS PER CHAIN OF CUSTODY

Laboratory Number	Sample Identification

SEE REPORT COVER PAGE

Inorganics :

1. Metals 06/04/93 to 06/14/93
2. Cyanides 06/02/93
3. Phenols NR

Other Analysis: NR

Total Organic Carbons :

Extraction : NR
Analysis : NR

0001334

ATTACHMENT 2-60

Method Qualifiers for Inorganics

FORM I-IN includes fields for three types of results qualifiers. These qualifiers must be completed as follows:

* C (Concentration) qualifier -- Enter "B" if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected, a "U" must be entered.

* Q qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference.

  M - Duplicate precision not met (CV > 20%).

  N - Spiked sample recovery not within control limits.

  S - The reported value was determined by Method of Standard Addition (MSA).

  W - Post-digestion spike for Furnace AA analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

  * - Duplicate analysis not within control limits.

  + - Correlation Coefficient for the MSA is less than 0.995.

  Entering "S", "W" or "+" is mutually exclusive.

* M (Method) qualifier - enter:

  - "P" for ICP
  - "A" for Flame AA
  - "F" for Furnace AA
  - "CV" for Cold Vapor AA
  - "AV" for Automated Cold Vapor AA
  - "AS" for Semi-Automated Spectrophotometric
  - "C" for Manual Spectrophotometric
  - "T" for Titrimetric
  - "NR" if the analyte is not required to be analyzed.

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-1XXX

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9320088___

Lab Code: 73469_ Case No.: 16887_ SAS No.: _____ SDG No.: 278___

Matrix (soil/water): SOIL_ Lab Sample ID: 688701____

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _83.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14100			P
7440-36-0	Antimony	18.6		N	P
7440-38-2	Arsenic	4.0			F
7440-39-3	Barium	926			P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	1820			P
7440-47-3	Chromium	52.5			P
7440-48-4	Cobalt	52.3			P
7440-50-8	Copper	69.4		N*	P
7439-89-6	Iron	22500			P
7439-92-1	Lead	2040		*	F
7439-95-4	Magnesium	3140			P
7439-96-5	Manganese	494		*	P
7439-97-6	Mercury	0.79		N	CV
7440-02-0	Nickel	26.0		*	P
7440-09-7	Potassium	1270			P
7782-49-2	Selenium	1.2	U	W	F
7440-22-4	Silver	1.6	U	N	P
7440-23-5	Sodium	399	B		P
7440-28-0	Thallium	1.2	U		F
7440-62-2	Vanadium	31.4			P
7440-66-6	Zinc	2320			P
5955-70-0	Cyanide	0.50	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: P._YELLOW Clarity After: CLEAR_ Artifacts: _____

Comments:

S-1

PB_RUN_AT_200X_DILUTION

FORM I - IN

ILMO2.1

0001340

ATTACHMENT 2-62

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-2XXX

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9320088___

Lab Code: 73469_ Case No.: 16887_ SAS No.: _____ SDG No.: 278___

Matrix (soil/water): SOIL_ Lab Sample ID: 688702____

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _84.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	10700			P
7440-36-0	Antimony_	14.3	U	N	P
7440-38-2	Arsenic__	2.9			F
7440-39-3	Barium___	63.2			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium__	1.2	U		P
7440-70-2	Calcium__	1150	B		P
7440-47-3	Chromium_	26.1			P
7440-48-4	Cobalt___	9.3	B		P
7440-50-8	Copper___	46.9		N*	P
7439-89-6	Iron_____	17700			P
7439-92-1	Lead_____	37.6		*	F
7439-95-4	Magnesium	2200			P
7439-96-5	Manganese	490		*	P
7439-97-6	Mercury__	0.26		N	CV
7440-02-0	Nickel___	21.8		*	P
7440-09-7	Potassium	539	B		P
7782-49-2	Selenium_	1.2	U		F
7440-22-4	Silver___	1.5	U	N	P
7440-23-5	Sodium___	231	U		P
7440-28-0	Thallium_	1.2	U		F
7440-62-2	Vanadium_	31.2			P
7440-66-6	Zinc_____	1010			P
5955-70-0	Cyanide__	0.39	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: P._YELLOW Clarity After: CLEAR_ Artifacts: _____

Comments:

S-2

PB_RUN_AT_4X_DILUTION

FORM I - IN

ILMO2.1

0001341

ATTACHMENT 2.63

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-3XXX

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9320088___

Lab Code: 73469_ Case No.: 16887_ SAS No.: _____ SDG No.: 278___

Matrix (soil/water): SOIL_ Lab Sample ID: 688705____

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _86.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	9200			P
7440-36-0	Antimony_	13.8	U	N	P
7440-38-2	Arsenic__	6.3			F
7440-39-3	Barium___	87.3			P
7440-41-7	Beryllium	0.66	B		P
7440-43-9	Cadmium__	1.1	U		P
7440-70-2	Calcium__	2920			P
7440-47-3	Chromium_	48.4			P
7440-48-4	Cobalt___	20.2			P
7440-50-8	Copper___	122		N*	P
7439-89-6	Iron____	32900			P
7439-92-1	Lead____	241		*	F
7439-95-4	Magnesium	3780			P
7439-96-5	Manganese	729		*	P
7439-97-6	Mercury__	0.41		N	CV
7440-02-0	Nickel___	32.5		*	P
7440-09-7	Potassium	1560			P
7782-49-2	Selenium_	1.2	U	W	F
7440-22-4	Silver___	1.9	B	N	P
7440-23-5	Sodium___	449	B		P
7440-28-0	Thallium_	1.2	U	W	F
7440-62-2	Vanadium_	51.4			P
7440-66-6	Zinc____	1570			P
5955-70-0	Cyanide__	0.63	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: P._YELLOW Clarity After: CLEAR_ Artifacts: _____

Comments:

S-3

PB_RUN_AT_20X_DILUTION

FORM I - IN

0001342 ILMO2.1

ATTACHMENT 2-64

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-4XXX

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9320088___

Lab Code: 73469_ Case No.: 16887_ SAS No.: _____ SDG No.: 278___

Matrix (soil/water): SOIL_ Lab Sample ID: 688706____

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _74.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	9530			P_
7440-36-0	Antimony_	16.1	U	N	P_
7440-38-2	Arsenic__	26.5		S	F_
7440-39-3	Barium___	224			P_
7440-41-7	Beryllium	0.62	B		P_
7440-43-9	Cadmium__	1.3	U		P_
7440-70-2	Calcium__	1810			P_
7440-47-3	Chromium_	56.6			P_
7440-48-4	Cobalt___	32.4			P_
7440-50-8	Copper___	172		N*	P_
7439-89-6	Iron____	40600			P_
7439-92-1	Lead____	436		*	F_
7439-95-4	Magnesium	2300			P_
7439-96-5	Manganese	1870		*	P_
7439-97-6	Mercury__	1.2		N	CV
7440-02-0	Nickel___	17.5		*	P_
7440-09-7	Potassium	1310	B		P_
7782-49-2	Selenium_	1.3	U	W	F_
7440-22-4	Silver___	1.9	B	N	P_
7440-23-5	Sodium___	384	B		P_
7440-28-0	Thallium_	1.3	U	W	F_
7440-62-2	Vanadium_	45.6			P_
7440-66-6	Zinc____	3290			P_
5955-70-0	Cyanide__	0.54			AS

Color Before: BLACK____ Clarity Before: _____ Texture: MEDIUM

Color After: P._YELLOW Clarity After: CLEAR_ Artifacts: _____

Comments:

S-4

PB_RUN_AT_40X_DILUTION

AS_AT_A_4X_DILUTION.

FORM I - IN

ILMO2.1

0001343

ATTACHMENT 2-6

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-5XXX

Lab Name: NYTEST_ENVIRONMENTAL_INC. Contract: 9320088___

Lab Code: 73469_ Case No.: 16887_ SAS No.: _____ SDG No.: 278___

Matrix (soil/water): SOIL_ Lab Sample ID: 688707____

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _89.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	4490			P
7440-36-0	Antimony_	13.5	U	N	P
7440-38-2	Arsenic__	1.1	U	W	F
7440-39-3	Barium___	37.0	B		P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium__	1.1	U		P
7440-70-2	Calcium__	944	B		P
7440-47-3	Chromium_	9.7			P
7440-48-4	Cobalt___	6.2	B		P
7440-50-8	Copper___	13.8		N*	P
7439-89-6	Iron_____	12100			P
7439-92-1	Lead_____	18.1		S*	F
7439-95-4	Magnesium	2290			P
7439-96-5	Manganese	369		*	P
7439-97-6	Mercury__	0.11	U	N	CV
7440-02-0	Nickel___	9.3		*	P
7440-09-7	Potassium	813	B		P
7782-49-2	Selenium_	1.1	U		F
7440-22-4	Silver___	1.5	U	N	P
7440-23-5	Sodium___	216	U		P
7440-28-0	Thallium_	1.1	U		F
7440-62-2	Vanadium_	12.7			P
7440-66-6	Zinc_____	81.3			P
5955-70-0	Cyanide__	0.39	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

S-5

PB_RUN_AT_4X_DILUTION

FORM I - IN

ILMO2.1

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ATTACHMENT 2-