Received:
Reviewed: 3/28/91
Recommend: H

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SITE INSPECTION

Gen Tape Inc/General Plastics Corp.

BLOOMFIELD TOWNSHIP, ESSEX COUNTY

EPA ID No.: ~~NJD101226322~~
NJD981557903

New Jersey Department of Environmental Protection
Division of Hazardous Waste Management
Bureau of Planning and Assessment

GEN TAPE INC./GENERAL PLASTICS CORP.
55 LAFRANCE AVENUE
BLOOMFIELD TOWNSHIP, ESSEX COUNTY, NEW JERSEY
EPA ID. NO. NJD101226322

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Y. GEN TAPE/GENERAL PLASTICS SOIL SAMPLING RESULTS; NOVEMBER 7, 1990

NARRATIVE

GEN TAPE INC./GENERAL PLASTICS CORP.
55 LAFRANCE AVENUE
BLOOMFIELD TOWNSHIP, ESSEX COUNTY, NEW JERSEY
EPA ID. NO. NJD101226322

GENERAL INFORMATION AND SITE HISTORY

Gen Tape and General Plastics are located on Block 63, Lot 1 in Bloomfield Township, Essex County. The site is one large building which houses a number of small businesses on approximately 8 acres. The site is bounded to the north by the Conrail (formerly Erie-Lackawanna) Railroad, Newark and Bloomfield Division. To the east and south is LaFrance Avenue, while to the west the site faces Federal Plaza. Land use in the vicinity of the site is developed for light industrial purposes. The estimated population within 1 mile of the site is greater than 20,000. The population within a 4-mile radius of the site is greater than 300,000.

The Gen Tape Company was founded by the General Plastics Corporation approximately 32 years ago, in 1959, and operated as a separate division until the time General Plastics and Gen Tape were sold in 1973 to the Resistoflex Corporation of Roseland, New Jersey. The property was retained by the seller and incorporated as 55 LaFrance Corporation. In 1978 the Uni Dynamics Corporation of Stanford, Connecticut acquired Resistoflex and its subsidiaries, including General Plastics and Gen Tape. In 1980 the General Plastics Corporation was sold to the Service Color Corporation, a subsidiary of the Plastics Management Corporation of Sun Valley, California. The Plastics Management Corporation purchased the land and buildings from 55 LaFrance Corporation on December 27, 1983. Gen Tape continued manufacturing operations at the site under a lease agreement with General Plastics until 1985 when the Plastics Management Corporation acquired Gen Tape. Gen Tape underwent an Environmental Cleanup Responsibility Act (ECRA) evaluation by the NJDEP, Bureau of Environmental Evaluation and Cleanup Responsibiltiy Assessment (BEECRA) in 1984 prior to being bought by Plastics Management Corporation and was given negative declaration approval in November 1984 by the NJDEP. Prior to 1959 little information is available concerning the site.

At present, Gen Tape and General Plastics continue to operate at the site under the ownership of the Plastics Management Corporation. Although both companies are located on the same property, they are separate companies with different manufacturing operations. Gen Tape produces tapes, dials and panels used primarily for visual display instrumentation in commercial and military aircraft and aerospace vehicles. General Plastics applies teflon and nylon coatings to metal parts. The Plastics Management Corporation currently leases a small portion of the property to Rose Art Industries which is involved in the manufacture of children's coloring crayons. Rose Art Industries does not use, store or generate any hazardous material during their manufacturing operations.

SITE OPERATIONS OF CONCERN

Gen Tape's manufacturing operations generally consist of the following activities: for tape products employees slit and perforate fiberglass tapes that are coated with nylon to allow screen printing and to provide

dimensional stability to the tape. Tapes are then either screen printed or photo etched, spliced and packaged for shipment to the customer. Metal and plastic dials and panels are machined to the customer's specifications and the surface is spray painted. This process is followed by screen printing or photo etching, the final production step prior to shipment. Gen Tape uses the following substances in the following approximate annual quantities in the course of its manufacturing operations: acetone (220 gallons), xylene enamel thinner (55 gallons), methyl alcohol (130 gallons), nitric acid (6 gallons) and petroleum ether (6 gallons). Materials are stored in 55-gallon and 5-gallon containers in a chemical storage shed adjacent to the plant. Waste solvents are removed off site by Solvent Recovery Service of Newark, New Jersey. Waste nitric acid is neutralized with Neutrasorb No. 7 and disposed of as a nonhazardous material.

Gen Tape maintained an outdoor cement-lined drum storage area, located adjacent to the current chemical storage shed, until 1985. The concrete was removed in 1985 when Gen Tape underwent an NJDEP, Division of Hazardous Waste Management (DHWM), Bureau of Environmental Evaluation and Cleanup Responsibility (BEECRA) assessment. Gen Tape maintains no aboveground or underground storage tanks.

In contrast, General Plastics' manufacturing operation consists of custom teflon and liquid nylon coating of metal parts. The metal parts are first degreased and cleaned with a solvent (trichlorethene, xylol, methyl ethyl ketone, methyl Isobutyl ketone) and then spray coated either with a nylon solution prepared in alcohol and water or teflon. The final step prior to shipping involves oven drying the metal parts. General Plastics generates no hazardous waste during its manufacturing operations as all solvents are consumed or evaporated in the process. General Plastics maintains all raw product solvents in 55-gallon and 5-gallon containers, within a garage shed located adjacent to the plant and in various areas inside the plant.

General Plastics also maintains five noncontained aboveground storage tanks varying in size from 1,000 to 2,000 gallons used to store ethyl and methyl alcohol. In addition, General Plastics at one time maintained one 1,000-gallon aboveground anhydrous ammonia tank and one 20,000-gallon underground fuel oil tank which were removed.

A review of historical operations at the Bloomfield facility has identified one spill or release of a hazardous substance. On October 10, 1987 approximately 1,500 gallons of fuel oil leaked from the 20,000 gallon underground fuel oil tank into a storm sewer causing odor problems inside the plant. The tank was excavated and backfilled by FTMS Contracting Company of New Jersey in December 1987.

GROUNDWATER ROUTE

The area surrounding Gen Tape/General Plastics is underlain by unconsolidated, moderately permeable sediment deposited by glaciers or glacial meltdown during the Pleistocene Epoch. The Pleistocene sediment found at the Bloomfield facility is both stratified and unstratified drift. Unstratified drift consists of a heterogeneous mixture of clay, silt, sand, gravel, cobbles and boulders deposited by glacial ice. Stratified drift

consists of either glaciofluvial stratified sand or glacio lacustrine laminated silt and clay, depending upon the depositional environment. The Pleistocene sediment has a combined thickness of approximately 0 to 200 feet. Deposits beneath this overburden comprise the Brunswick Formation. The Brunswick Formation underlies the entire area around the site and most of Essex County. The formation consists primarily of brown, reddish-brown and gray shale, sandy shale and sandstone. The thickness of the formation is not known but is believed to be greater than 6,000 feet.

Groundwater beneath the site exists in the voids of the unconsolidated Quaternary glacial sediments and in the joints and fractures of the Passaic Formation. Groundwater beneath the site flows in a north to south direction and depth to the water table ranges from approximately 8 to 12 feet. Groundwater use in the vicinity of the site is limited to a few industrial wells screened at depths of 20 to 80 feet.

Gen Tape/General Plastics maintains no industrial or monitoring wells on site, nor did they possess a NJPDES permit for groundwater discharge.

Groundwater within 4 miles of the site is used for public and semipublic water supplies and for golf course irrigation, swimming pool supply and noncontact cooling purposes.

The Town of Montclair maintains three wells approximately 2.5 miles upgradient of the site, 300 feet deep which tap the Brunswick Formation and serve up to 66,000 people. In addition the Town of Montclair has agreements for the sale of water to the Township of Little Falls, Cedar Grove Township, Glen Ridge Borough and the City of Clifton.

The City of Orange also maintains wells within 4 miles of the site. Well depths range from 500 to 551 feet and tap the Brunswick Formation. Approximately 32,000 people are serviced by the City of Orange.

The Upper Montclair Country Club (UMCC) and Mountainside Hospital use groundwater for semipublic water supplies. UMCC uses groundwater to supply staff and members with drinking water and Mountainside Hospital uses groundwater to supply patients with drinking water. The populations served by the UMCC and Mountainside Hospital wells are 1,000 and 2,000, respectively.

In addition, 155 acres of golf course property are irrigated by wells drawing from the Brunswick Formation.

Contamination of groundwater is unlikely since chemicals used on site are stored indoors on paved areas and there are no underground storage tanks currently on site. However, General Plastics at one time maintained one 20,000 gallon underground fuel oil tank which leaked approximately 1,500 gallons of fuel oil into a storm sewer.

SURFACE WATER ROUTE

Gen Tape/General Plastics is approximately 0.50 mile upgradient of the Second River. The Second River feeds into the Passaic River approximately 2.5 miles northeast of the site. The Passaic River leads into Newark Bay

approximately 9.5 stream miles southeast of the site. Surface water contamination is unlikely since almost all chemicals on site are stored indoors on paved areas. Although General Plastics maintains five aboveground ethyl and methyl alcohol storage tanks, the potential for a release is slight. There are no records indicating surface water or sediment sampling in the past. The Second and Passaic Rivers are classified as FW2-NT (Freshwater-Nontrout). Uses include recreational, industrial, commercial and irrigation of private golf courses.

There are no drinking water intakes within 15 stream miles and surface water is not used for agricultural irrigation.

General Plastics was issued NJPDES Permit No. NJ0029173 on October 30, 1981 to discharge noncontact cooling water into the Passaic River. The facility redirected the discharge to the local sewerage authority in 1987 and is no longer discharging to the Passaic.

No freshwater wetlands or coastal wetlands are within 1 mile of the site. There are no federally listed endangered species within 1 mile of the site.

AIR ROUTE

Gen Tape, facility ID No. 05728, has seven New Jersey Bureau of Air Pollution Control permits still in effect for various spray booths and drying ovens.

In contrast, General Plastics, facility ID No. 05177, has thirteen New Jersey Bureau of Air Pollution Control permits still in effect for various aboveground storage tanks, spray booths and drying ovens. Air discharge are treated via charcoal filters prior to release.

There are no records indicating air sampling has been conducted in the past at either company. A slight potential for air contamination exists since it is an active site.

SOIL

The soils underlying the site area consist primarily of heavily altered and reworked native glacio-lacustrine deposits and fill materials. These glacio-lacustrine deposits are comprised of interbedded fine sands, silts and clays. These deposits were laid down during the Pleistocene epoch of glacination. In December 1987 a 20,000-gallon No. 4 fuel oil storage tank was excavated. The fuel tank was known to have leaked approximately 1,500 gallons of fuel into a storm sewer. Five post-excavation samples were obtained by J.M. Sorge, Inc. of Somerville, New Jersey. The results of the analyses conducted on these samples yielded petroleum hydrocarbon (PHC) concentrations ranging from 34 to 130 ppm. Reportedly, no visual evidence of contamination was noted in excavated soils.

In July 1989 JM Sorge, Inc. of Somerville, New Jersey conducted a soil investigation at the site in order to determine residual PHC concentration in tank area soils located on General Plastics area of operation. Results indicated PHC concentrations ranging from 32 to 4,400 ppm. However, high readings along the site's northern border were attributed to a former railroad track, microscopic analysis of these soils by JM Sorge revealed

the presence of asphalt particles, indicative of railroad bedding materials.

On September 7, 1990 the NJDEP, Division of Hazardous Waste Management (DWHM), Bureau of Planning and Assessment (BPA) conducted a subsurface investigation throughout the entire site. Samples were analyzed for PHC along with a priority pollutant scan. Results indicated PHC contamination (49 to 2,300 ppm) above NJDEP action levels in both Gen Tape and General Plastics areas of operation. In addition, volatile organic and heavy metal contamination was also observed throughout the site; highest readings noted were along General Plastics tank and drum areas.

DIRECT CONTACT

There have been no reported incidents of direct contact with hazardous waste or materials on site. A security fence surrounds the site limiting access onto the property. However, a slight potential exists if employees come in contact with hazardous materials currently used on site.

FIRE AND EXPLOSION

There have been no reported fires or explosions at the site. A potential for fire and explosion to occur exists as flammable materials are used and stored on site.

ADDITIONAL CONSIDERATIONS

No reported incidents of damage to flora and fauna have been reported or noted, however, a potential does not exist as soil contamination was observed in a sampling episode conducted by the NJDEP, DHWM, BPA on September 7, 1990. Contamination at the food chain may occur as some of the contaminants detected on site are bioaccumulative.

ENFORCEMENT ACTIONS

On May 13, 1988 the NJDEP, Division of Hazardous Waste Management (DHWM) issued a Notice of Violation to General Plastics for a discharge of a hazardous substance pursuant to the Spill and Compensation Control Act. It is unknown if the company was required to pay any fines to NJDEP.

On February 7, 1989 the NJDEP, Division of Environmental Quality (DEQ) issued an Administrative Consent Order to General Plastics for permitting smoke into the outdoor air from the combustion of fuel in a stationary indirect heat exchanger and for altering aforementioned equipment without a permit. General Plastics was required to pay $600 in fines to NJDEP.

There have been no enforcement actions against Gen Tape in the past by NJDEP or other agencies.

SUMMARY OF SAMPLING DATA

1.	Sampling date:	December 18, 1987
	Sampled by:	J.M. Sorge, Inc. Somerville, New Jersey
	Samples:	Five soil samples

Laboratory:	unknown
Parameters:	Petroleum hydrocarbons
Sample description:	Five post-excavation samples collected from a 20,000-gallon underground fuel oil tank excavation.
Contaminants detected:	Sampling results indicated petroleum hydrocarbon contamination ranging from 34 ppm through 130 ppm.
QA/QC:	Not known if submitted to the NJDEP
File location:	NJDEP, DHWM, BME West Orange, New Jersey Data found in Attachment R

2. Sampling dates: July 28, 1988 and January 1, 1989 through March 8, 1989

Sampled by:	J.M. Sorge, Inc. Somerville, New Jersey
Samples:	38 soil samples
Laboratory:	Accutest (#12129) Dayton, New Jersey
Parameters:	Petroleum hydrocarbons
Sample description:	38 soil samples from former tank area and railroad track area
Contaminants detected:	See Table 1
QA/QC:	All required QA/QC information was submitted to the NJDEP
File location:	NJDEP, DWR, BUST Trenton, New Jersey Data found in Attachment V

3. Sampling date: September 7, 1990

Sampled by:	NJDEP, DHWM, BPA Robbinsville, New Jersey
Samples:	12 soil samples
Laboratories:	National Environmental Testing, Inc. (#08153) Thorofare, New Jersey

	Analytikem (#04012) Cherry Hill, New Jersey
Parameters:	Petroleum Hydrocarbons and target compound list
Sample description:	12 soil samples from former tank area, railroad track area and Gen Tape's former drum storage area
Contaminants detected:	See Table 2
QA/QC:	Overall, the data quality was fair and accepted. However, the base neutrals in soil sample S-2 was rejected because the sample was extracted 15 days outside of the holding time allowed. In addition, lead analysis in all samples were rejected because the soil matrix spike and duplicate digestion for lead by the furnace was not reported.
File location:	NJDEP, DHWM, BPA Robbinsville, New Jersey Data found in Attachment Y

RECOMMENDATIONS/CONCLUSIONS

General Plastics/Gen Tape is currently an active facility under the supervision of the Division of Water Resources, Bureau of Underground Storage Tanks (BUST). Presently BUST is reviewing a soil investigation summary report submitted by J.M. Sorge, Inc. to determine if additional sampling or groundwater sampling is required. Sampling by NJDEP, DHWM, BPA conducted in September 1990 confirmed petroleum hydrocarbon contamination and revealed volatile organic, heavy metal and pesticide contamination in various areas throughout the site. This case should be transferred to the NJDEP, DHWM, Bureau of Metro Enforcement to review additional sampling conducted by BPA and to determine if groundwater sampling or remediation is required.

Submitted by

Hayder Camargo
HSMS IV
Bureau of Planning and Assessment
March 12, 1991

TABLE 1
GENERAL PLASTIC CORPORATION
SOIL SAMPLING RESULTS

SAMPLE NUMBER	DEPTH (ft.)	PHC (ppm)
FORMER TANK AREA:		
B-1B	6.0'	ND
B-1C-1	7.0-8.5'	ND
B-1C	8.5'	ND
B-1E	11.0-12.0'	ND
B-1G	13.5-14.0'	ND
B-1I	16.0'	ND
B-2A	8.0-8.5'	ND
B-2B	12.0-12.5'	ND
B-2C	15.0-15.5'	ND
B-3A	8.0-8.5'	59
B-3B	11.0-11.5'	153
B-4A	12.0-12.5'	214
B-4B	14.5-15.0'	73
B-5A	8.0-8.5'	32
B-5B	10.0-10.5'	113
B-5C	11.5-12.0'	ND
B-6A	8.0-8.5'	2077
B-6B	12.0-12.5'	431
B-7A	8.0-8.5'	ND
RAILROAD TRACK AREA:		
TP-8A	1.5-2.0'	ND
TP-8B	5.5-6.0'	ND
TP-9B	3.5-4.0'	ND
B-10	0-0.5'	4400
B-11	0-0.5'	1900
B-11 (DUP)	0-0.5'	1761
TP-11A	0.5-1.0'	ND
TP-11B	2.5-3.0'	ND
B-12	0-0.5'	2500
B-12 (DUP)	0-0.5'	646
B-12A	0.5-1.0'	ND
B-12A (DUP)	0.5-1.0'	100
B-13	0-0.25'	1100
B-14	0-0.25'	1300
B-15	0-0.25'	320
B-15A	3.0-3.5'	ND
B-15B	9.0-9.5'	99
B-16A	3.0-3.5'	ND
B-16B	5.5-6.0'	ND

NOTES:
NA - NOT ANALYZED
PHC - TOTAL PETROLEUM HYDROCARBONS
ppm - PARTS PER MILLION

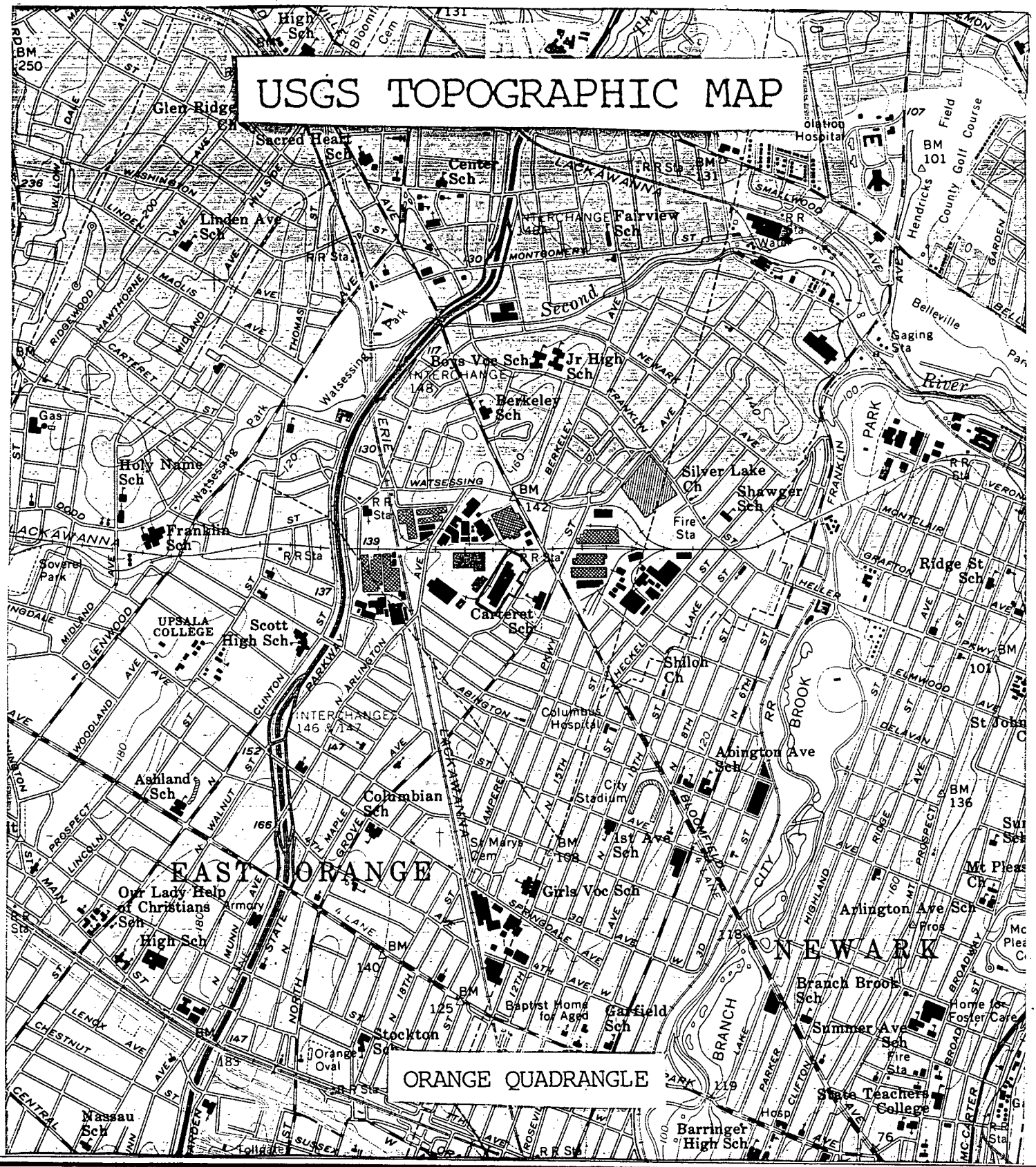
TABLE 2

CONTAMINANT (ppb)	S-1	S-2	S-3	S-4	S-5	S-6	S-7
PETROLEUM HYDROCARBON	660,000	150,000	2,300,000	240,000	180,000	190,000	310,000
1,2-DICHLOROETHENE	ND	71	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	140	ND	1,900	2,100	66	ND
TETRACHLOROETHENE	ND	ND	ND	ND	56	15	ND
FLUORANTHENE	ND	ND	ND	1,300	ND	ND	ND
PHENANTHRENE	ND	ND	ND	830	ND	ND	ND
CHRYSENE	ND	ND	ND	1,100	ND	ND	ND
PYRENE	ND	ND	ND	1,200	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	950	ND	ND	ND
AROCLOR	ND	ND	ND	ND	ND	9,900	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND
LEAD	ND R	569 R	2,450 R	3,740 R	2,770 R	7,410 R	ND R
ZINC	ND	ND	736	490	2,110	1,000	ND
MERCURY	ND	ND	ND	3.10	ND	1.30	ND
CHROMIUM	ND	ND	ND	ND	ND	146	73

CONTAMINANT (ppb)	S-8	S-9	S-10	S-11	S-12
PETROLEUM HYDROCARBON	650,000	150,000	990,000	670,000	49,000
1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND
FLUORANTHENE	1,100	1,600	ND	970	510
PHENANTHRENE	850	820	ND	630	ND
CHRYSENE	650	1,100	ND	1,100	ND
PYRENE	830	1,300	ND	ND	ND
BENZO (A) ANTHRACENE	480	730	ND	ND	ND
AROCLOR	ND	ND	ND	ND	ND
4,4'-DDT	ND	170	ND	ND	ND
LEAD	448 R	124 R	ND R	132 R	381 R
ZINC	450	185	ND	ND	ND
MERCURY	ND	ND	ND	ND	ND
CHROMIUM	ND	ND	ND	ND	ND

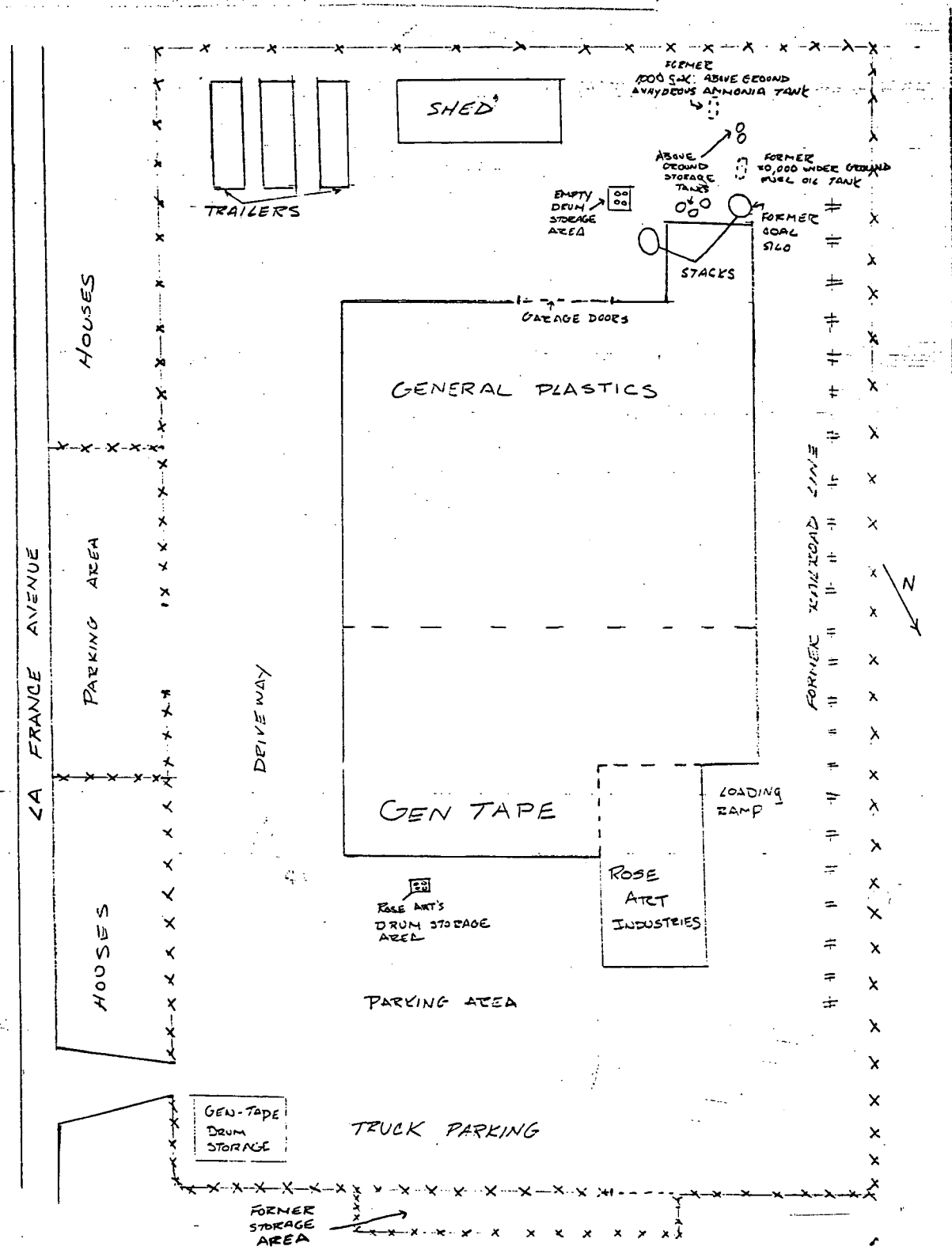
ND = Not detected
R = Rejected by QA/QC

MAPS



GEN TAPE / GENERAL PLASTICS
55 LAFRANCE AVENUE
BLOOMFIELD, ESSEX COUNTY
LATITUDE: 40-46'-44"
LONGITUDE: 74-11'-31"

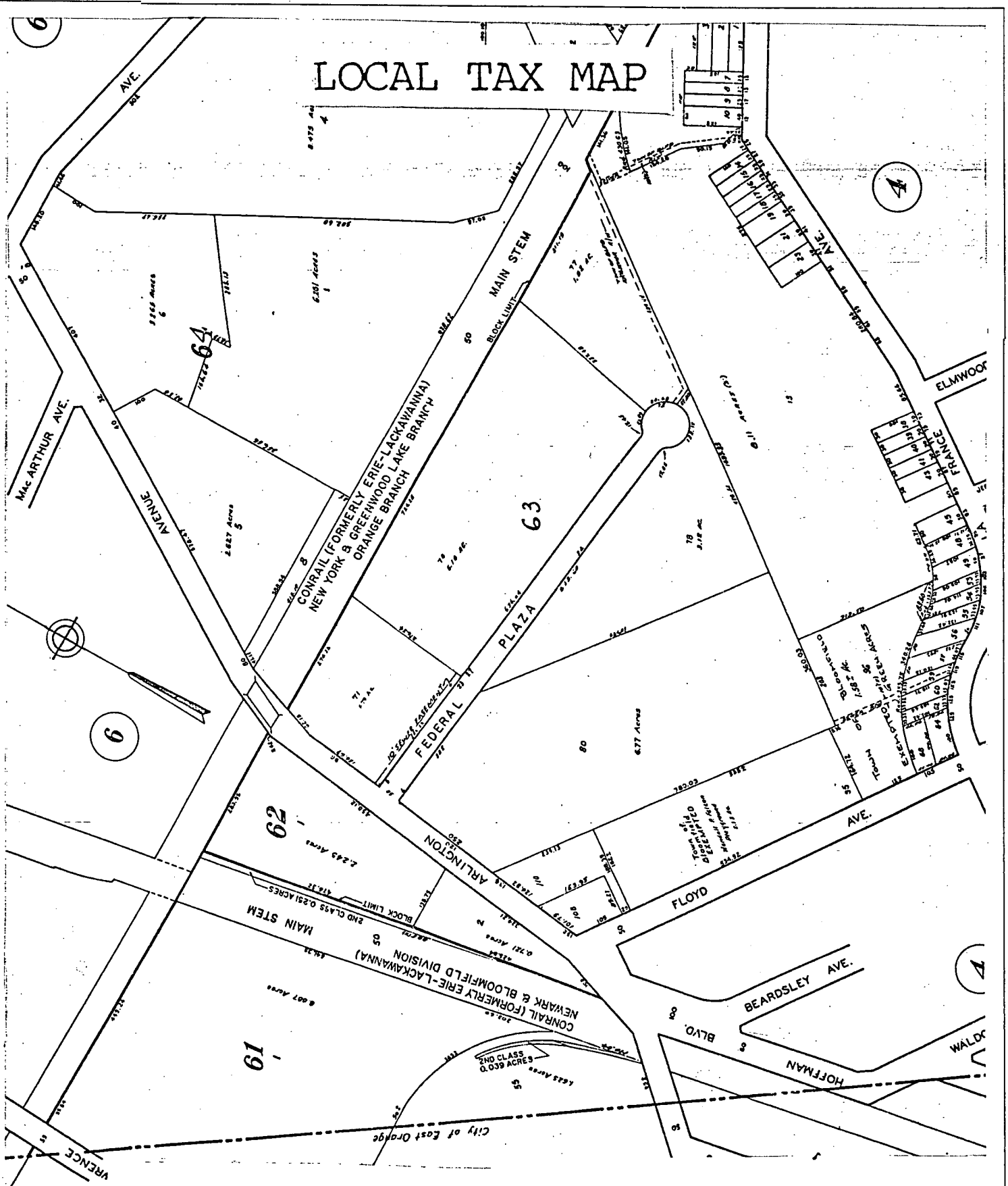
SITE MAP



GEN TAPE / GENERAL PLASTICS
55 LAFRANCE AVENUE
BLOOMFIELD, ESSEX COUNTY
LATITUDE: 40-46'-44"
LONGITUDE: 74-11'-31"

NO SCALE

LOCAL TAX MAP



NO SCALE

GEN TAPE / GENERAL PLASTICS
55 LAFRANCE AVENUE
BLOOMFIELD, ESSEX COUNTY
LATITUDE: 40-46'-44"
LONGITUDE: 74-11'-31"

GEN TAPE / GENERAL PLASTICS
55 LAFRANCE AVENUE
BLOOMFIELD, ESSEX COUNTY

LATITUDE: 40-46'-44"
LONGITUDE: 74-11'-31"

NEW JERSEY ATLAS BASE MAP

SHEET 26

Scale: 1 Mile to an Inch.

Miles: 1 3/4 1/2 1/4 0 1 2 3

Yards: 1000 500 0 1000 2000 3000

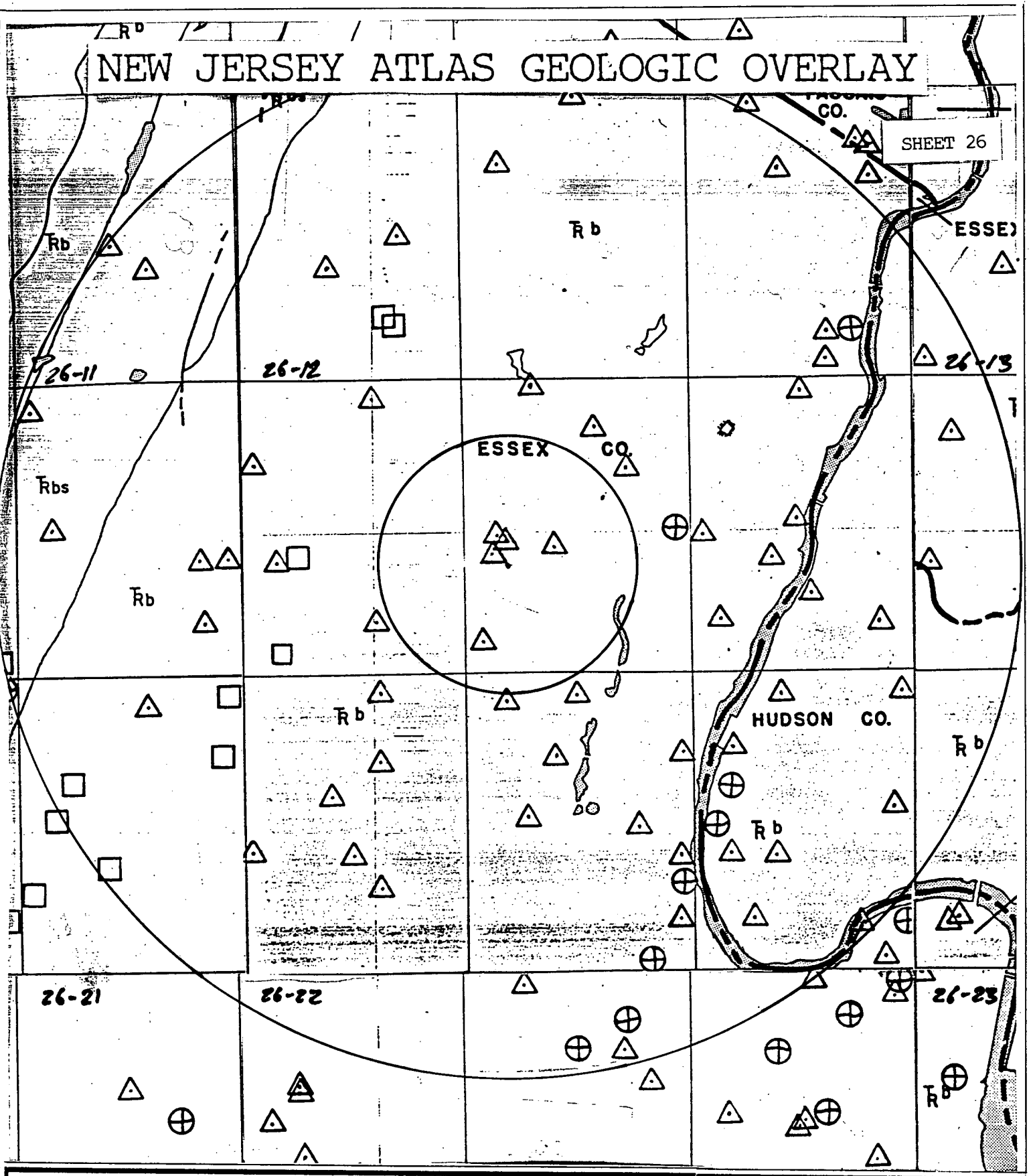
Meters: 1000 500 0 1000 2000 3000

A. HOEN & CO. BALTIMORE, MD

Contour Interval: 20 feet

GEN TAPE / GENERAL PLASTICS
55 LAFRANCE AVENUE
BLOOMFIELD, ESSEX COUNTY
LATITUDE: 40-46'-44"
LONGITUDE: 74-11'-31"

NEW JERSEY ATLAS GEOLOGIC OVERLAY



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GEN TAPE / GENERAL PLASTICS
55 LAFRANCE AVENUE
BLOOMFIELD, ESSEX COUNTY
LATITUDE: 40-46'-44"
LONGITUDE: 74-11'-31"

LEGEND FOR ATLAS SHEET 26 (GEOLOGY)

△ — INDUSTRIAL WELL YIELD OVER 70 GALLONS PER MINUTE (INCLUDING PRIVATE WELLS)

□ — PUBLIC SUPPLY WELL YIELDING OVER 70 GALLONS PER MINUTE

⊕ — UNSUCCESSFUL ROCK WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

⊙ — UNSUCCESSFUL SAND WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

⊞ — NO TEST — NO DATA ON YIELD

——— FAULT (DASHED WHERE INFERRED)

——— CONTACT (DASHED WHERE INFERRED)

PHYSIOGRAPHIC PROVINCE BOUNDARY

WATER SUPPLY TRANSMISSION LINE

NOTE: WHERE THE PRECAMBRIAN FORMATION BOUNDARIES TERMINATE ABRUPTLY, IT IS THE GEOLOGIST'S OPINION THAT THE GEOLOGICAL COMPLEXITY OF THE AREA PREVENTS FURTHER INTERPRETATIONS.

Kmr — CRETACEOUS MAGOTHY AND RARITAN FORMATIONS (SAND AND CLAY)

Ꞧb — TRIASSIC BRUNSWICK FORMATION

Ꞧc — TRIASSIC CONGLOMERATE BEDS OF THE STOCKTON FORMATION

Ꞧl — TRIASSIC LOCKATONG FORMATION

Ꞧdb — TRIASSIC DIABASE

Ꞧbs — TRIASSIC BASALT FLOWS

Sd — SILURIAN DECKER LIMESTONE AND LONGWOOD SHALE FORMATIONS

Sgp — SILURIAN GREEN POND CONGLOMERATE

Omb — ORDOVICIAN MARTINSBURG SHALE

€ok — CAMBRO ORDOVICIAN KITTATINNY LIMESTONE

€h — CAMBRIAN HARDYSTON SANDSTONE

PRECAMBRIAN:

gh - HORNBLENDE GRANITE WITH PYROXENE GRANITE

ga - ALASKITE

am - AMPHIBOLITE

px - PYROXENE GNEISS

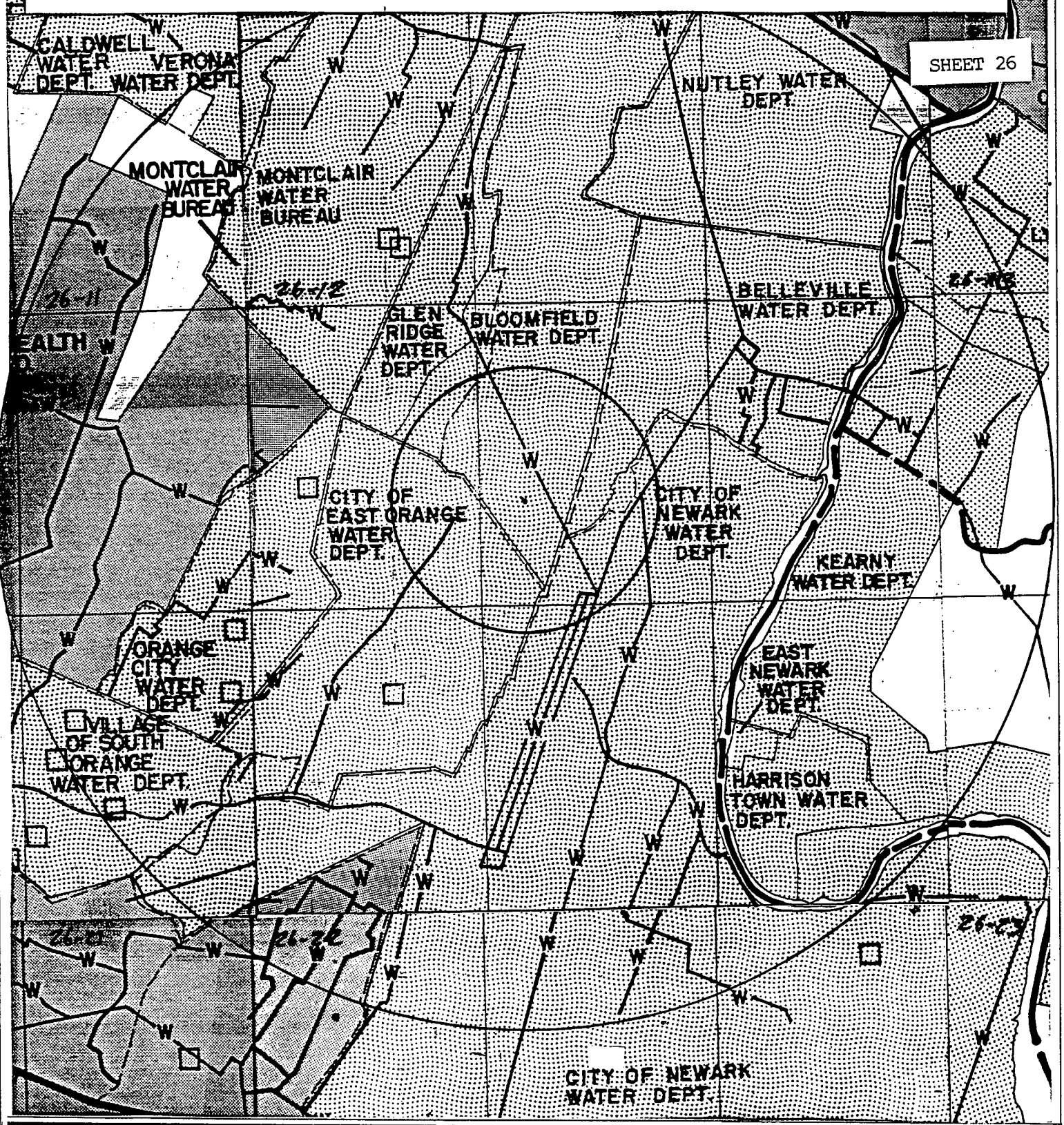
gnq - QUARTZ PLAGIOCLASE GNEISS

gnb - BIOTITE GNEISS

sk - SKARN, GRAPHITE SCHIST

fnd — FORMATION NOT DETERMINED

NEW JERSEY ATLAS WATER SUPPLY OVERLAY



Scale: 1 Mile to an Inch.

Miles: 1 3/4 1/2 1/4 0 1 2 3

Yards: 1000 500 0 1000 2000 3000

Meters: 1000 500 0 1000 2000 3000

A. HOEN & CO. BALTIMORE, MD

Contour Interval: 20 feet

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55 LAFRANCE AVENUE
BLOOMFIELD, ESSEX COUNTY
LATITUDE: 40-46'-44"
LONGITUDE: 74-11'-31"

LEGEND

WATER SUPPLY

- AREA SERVED BY PRIVATE WATER SERVICE COMPANIES
- AREA SERVED BY REGIONALLY OWNED WATER SERVICE COMPAN
- AREA SERVED BY MUNICIPALLY OWNED WATER SERVICE COMPAN
- AREA NOT PRESENTLY SERVED BY WATER SERVICE
- PUBLIC SUPPLY WELLS
- WATER MAIN ACROSS HIGHW. FOR FUTURE USE
- SURFACE WATER INTAKE
- —W— MAJOR WATER MAINS

SEWAGE, LANDFILL

- AREA SERVED BY PUBLIC SEWAGE SERVICE
- AREA NOT PRESENTLY SERVED BY SEWAGE SERVICE
- SANITARY LANDFILLS
- SEWAGE TREATMENT PLANTS (CAPACITY <0.3mgd)
- SEWAGE TREATMENT PLANTS (CAPACITY ≥0.3mgd)
- —S— MAJOR SEWAGE TRANSMISSION LINES

DRAINAGE BASIN

- DRAINAGE BASIN BOUNDARY
- RIVER BASIN BOUNDARY
- HUDSON DRAINAGE BASIN NAME
- STREAMS AND RIVERS
- FLOOD PRONE AREAS

POPULATION

- COUNTY BOUNDARY
- MUNICIPAL BOUNDARY
- ( ) POPULATION DENSITY IN PERSONS PER SQUARE MILE
- [ ] AREA IN SQUARE MILES
- % PERCENT AREA OF MUNICIPALITY ON BLOCK
- MARKET ROADS
- BUILT UP AREAS
- STATE BOUNDARY

A. Caldwell, Elizabeth, Orange, Roselle

B. Arthur Kill-Rahway, Elizabeth; Passaic-Lower Passaic, Upper Passaic

C. 1. Cranford - Non-recording temperature and precipitation gauges

2. Map No.	Location	Period of Record
38	Peckman Brook at Verona Lake, Verona	7/23/45
3. 245	Passaic River near Livingston (Rt.10)	1964-
253	Peckman River at Verona (Rt. 506)	1964-

Water Quality Stations: (explained in Atlas Sheet description)
FW2 except where classified FW3

D. Brunswick Formation (Trb), Basalt Flows (Trbs)

E. 1. Physiographic Province: Piedmont
Subdivision: Triassic Lowlands
Major Topographic Features: Red Sandstone Plain, Watchung Ridges, Passaic Valley
Elevations (ft.above sea level): ridges 650, valleys 250
Relief (ft.): 400

2. a. Normal Year: 48"
Dry Year: 43"
Wet Year: 57"

b. January: 31°F
July: 74°F

c. 241 days. Last killing frost: 4/20; first killing frost: 10/20

F. Essex County:
West Essex Park
Eagle Rock Reservation
South Mountain Reservation
East Orange:
Municipal Watershed
Orange City:
Municipal Watershed

G. National Park Service - Edison National Historical Site

H. Edison National Historic Site, West Orange

NOTE:

YELLOW = INDUSTRIAL WELLS

PINK = MUNICIPAL WELLS

MAP 7.2

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Formation
26-11-118	Boro of Essex Fells	1957		96	No test	Q
26-11-134	"	1956		190	95	Trb
26-11-137	Resistoflex Corp.	1968	76	305	250	"
26-11-142	Essex Fells, Boro of			200	255	Q-Trb
26-11-152	Polander, M. & Son	1968	124'9"	389	221	Trb
26-11-157	Kidde, W. & Co.			405	30	"
26-11-185	Twp. of Livingston	1955	66'10"	442	97	"
26-11-185	"	1955	88'10"	313	230	"
26-11-186	"	1955	68'7"	384	290	"
26-11-211	Boro of Essex Fells	1959	61	89	457	Q
26-11-212	"			260	0	Trbs
26-11-213	"			300	0	"
26-11-221	"			248	10	"
26-11-224	"			295	400	Trb
26-11-225	"			80	25	Q
26-11-256/9	"			43	120	"
26-11-266	Nichols, C.W.			510	25	Trbs
26-11-354	Eagle Rock Mfg. Co.			841	110	"
26-11-359	Montclair Golf Club	1964	16	500	138	Trb
26-11-426	A&P	1954		298	145	"
26-11-451	Twp. of Livingston	1955		291	412	"
26-11-464	"	1964	107	114	No test	Q
26-11-512	Whalen, S.(U.S.Cigar Store)			502	60	Trbs
26-11-546	Rahway Water Dept.	1966	22/40	269	390	Trb
26-11-599	Rock Springs Country Club	1956	19'9"	406	25	Trb-Trbs
26-11-611	Essex Co.Country Club	1965	62'11"	72	715	Q
26-11-645	"	1954	21	115	100	Trbs
26-11-668	Nickel Alkaline Battery Div.	1961	46	520	190	Trb
26-11-669	Tell Mfg. Co., Inc.			500	120	"
26-11-695	Carl Del'Spina & Co.	1958	25	400	330	"
26-11-913	East Orange, City of	1958	68	102	700	Q
26-11-717	"	1958	81'9"	116	775	"
26-11-717	"	1958	78	110	700	"
26-11-728	"	1962	125'4-1/2"	171	20	"
26-11-735	St.Barnabas Medical Ctr. 1961		32	819	170	Trbs-Trb
26-11-793	City of Orange			75	1040	Q
26-11-796	"			14	0	Trbs
26-11-797	"			104	700	Q
26-11-819	"	1966	73'6"	132	1404	"
26-11-833	Rock Springs Country Club	1957	22	750	35	Trbs-Trb
26-11-847	City of Orange			99	1480	Q
26-11-896	Village of South Orange			355	220	Trb
26-11-923	Orange Products	1960	35'3"	500	257	"
26-11-933	Orange Water Dept.	1958	35	551	300	"
26-11-939	City of Orange	1967	56'3"	550	350	"
26-11-943	Village of South Orange	1956	45	350	560	"
26-11-945	"			301	400	"
26-11-957	"	1956	21'10"	343	350	"
26-11-971	"			122	275	"

J. Geodetic Control Survey monuments described
Index Maps 20,21,25,26

A. Elizabeth, Orange

B. Arthur Kill-Elizabeth, Rahway; Hackensack-Hackensack; Passaic-Lower Passaic

C. 2.

Map No.	Location	Period of Record
63	Second River at Brighton Ave.,East Orange	7/23/38
64	Second River at Bloomfield Ave., Bloomfield	7/23/38
65	Second River at Belleville	1937-1961
66	Second River at Newark Pipe, Belleville	7/23/38
67	Elizabeth River at Irvington	1931-1938

3. 262 Passaic River at Harrison 1967-1971

Water Quality Standards: (explained in Atlas Sheet description)
FW3, TW2 except where classified TW3

D. Brunswick Formation (Trb), Basalt Flows (Trbs)

E. 1. Physiographic Province: Piedmont
Subdivision: Triassic Lowlands
Major Topographic Features: Red Sandstone Plain, Watchung Ridges
Elevations (ft.above sea level): ridges 650, valleys 0
Relief (ft.): 650

2. a. Normal Year: 45"
Dry Year: 37"
Wet Year: 55"

b. January: 31°F
July: 74°F

c. 243 days. Last killing frost: 4/15; first killing frost: 10/20

F. Bergen County:
Riverside County Park and Hackensack River Area
Essex County:
Eagle Rock Reservation
Branch Brook Park

H. Montclair Railroad Terminal, Montclair
Israel Crane House, Montclair
Sydenham House, Newark
Kruegar Mansion, Newark
Penn Station, Newark
First Baptist Peddie Memorial Church, Newark
Saint James A.M.E., Newark
Saint Stephan's Church, Newark
Saint James's Church, Newark
Saint Mary's Church, Newark
Saint Barnabas, Newark
Saint Columba's Church, Newark
Saint John's Church, Newark
Saint Patricks Procathedral, Newark
Queen of Angels Church, Newark

H.(contd.)

Cathedral Evangelica Reformada, Newark
New Point Baptist Church, Newark
South Park Presbyterian Church, Newark
Pan American C.M.A. Church, Newark
First United Methodist Church, Newark
House of Prayer Episcopal Church and Rectory, Newark
Grace Church, Newark
North Reformed Church, Newark
The Old First Presbyterian Church, Newark
Trinity Episcopal Church, Newark

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Formation
26-12-157	Hahne & Co.			505	240	Trb
26-12-164	Quadrel, Michael	1955	18	151	75	"
26-12-194	Town of Montclair	1966	21/41	300	950	"
26-12-194	Montclair Water Bureau	1966	16/36	300	470	"
26-12-218	Glen Ridge Country Club	1967	40	300	200	"
26-12-222	Bloomfield Savings Bank	1956		145	100	"
26-12-313	Hoffman-LaRoche			902	128	"
26-12-327	Food Fair Stores, Inc.			209	70	"
26-12-334	Kingsland's Paper Mills			400	125	"
26-12-335	Wiggins Plastics, Inc.	1963	24'-3/12"	378	180	"
26-12-338	Federal Telecommunications Lab	1958	39'6"	500	114	"
26-12-386	Liquid Carbonic Corp.			518	100	"
26-12-389	National Yeast Corp.			512	126	Trbs
26-12-394	Federal Leather Co.			802	60	Trb
26-12-417	Schering Corp.			478	127	"
26-12-423	Kidde W. & Co.			400	400	"
26-12-448	Orange Dairy Co.			250	75	"
26-12-449	City of Orange	1970	61'5"	500	524	"
26-12-478	"	1971	56	506	500	"
26-12-486	Colonial Life Ins. Co.			357	323	"
26-12-513	Leonora Corp.	1957	33	200	70	"
26-12-526	Eastern Tool & Mfg.Co.			550	126	"
26-12-537	National Grain & Yeast Corp.			457	125	"
26-12-545	MGM Records (Div.of Loews)	1959	23	211	115	"
26-12-545	"	1960	36	579	120	"
26-12-547	"			400	275	"
26-12-557	Warner Mfg. Co.			395	220	"
26-12-566	Tiffany & Co.			800	50	"
26-12-577	Bloomfield Moulding Co.	1968	18	350	200	"
26-12-622	Mansol Ceramics Co.			250	100	"
26-12-644	Droll Molding Co., Inc.	1962	50	300	80	"
26-12-655	Summit Chemical Prod.Corp.			414	150	"
26-12-657	Crowhurst, A.J. & Sons			83	325	Q
26-12-675	Aluminum Finishing Co.			150	100	Trb
26-12-682	North Newark Ice Co.			250	123	"
26-12-695	V.H. Swenson Co.	1962	49	40	170	"

26-12-723	Mountain Ice Co.			634	300	Trb
26-12-729	Vinton Apartments Inc.	1955	52	255	160	"
26-12-747	Columbia Theaters, Inc.	1953	26	312	140	"
26-12-751	Woolworth & Co.	1965	76'10"	300	80	"
26-12-758	Food Fair Stores	1956	73	214	180	"
26-12-783	Pabst Brewing Co.			535	300	"
26-12-812	Ward Baking Co.			200	111	"
26-12-822	Crabb, W. & Co.			600	300	"
26-12-827	Trent Hat Corp.			200	150	"
26-12-839	Reid Ice Cream Co.			600	100	"
26-12-846	Fagin Brothers Coal Yard			150	100	"
26-12-864	Barton Realty Co., Inc.	1965		385	100	"
26-12-869	Alderney Dairy Co.			450	113	"
26-12-893	Ballantine & Son Ale			1200	0	"
26-12-896	Mutual Benefit Life Ins.Co.	1965	44'8"	312	219	"
26-12-898	Prudential Life Ins. Co.			1225	15	"
26-12-918	Abbey Record Co.	1962	24	697	135	"
26-12-921	Two Guys from Harrison	1959	99	405	628	"
26-12-933	DuPont			202	148	"
26-12-942	N.J. Rolling Mills	1963	99	400	20	"
26-12-944	Harrison Supply Co.	1966	88	174	50	"
26-12-948	Mountain Ice & Fuel Co.			350	122	"
26-12-957	Doelger Brewery			400	175	"
26-12-966	Verzelano, N.	1959	146	235	150	"
26-12-976	Driver-Harris Co.	1946	241	337	600	Q
26-12-994	Acme Refining Co.	1960	144	500	150	Trb
26-12-996	Lister Brothers			1200	0	"
26-12-998	Stanley Tools			637	125	"

J. Geodetic Control Survey monuments described
Index Maps 21,26; adjacent Index Maps 20,25

A. Jersey City, Orange, Weehawken

B. Hudson-Hudson; Hackensack-Hackensack; Passaic-Lower Passaic

C. 3.

Map No.	Location	Period of Record
242	Berry's Creek at Moonachie, Moonachie Ave.	1964-
263	Hackensack River at Harrison, Belleville Tpk.	1967-

Water Quality Standards: (explained in Atlas Sheet description)
TW2 except where classified TW3

D. Brunswick Formation (Trb), Stockton Formation (Trs), Diabase (Trdb), Manhattan Schist (Oms)

E. 1. Physiographic Province: Piedmont
Subdivision: Triassic Lowlands
Major Topographic Features: Red Sandstone Plain, Palisades Ridge, Hackensack Meadows
Elevations (ft.above sea level): ridges 250, valleys 0
Relief (ft.): 250

2. a. Normal Year: 43"
Dry Year: 36"
Wet Year: 53"

b. January: 32°F
July: 74°F

c. 245 days. Last killing frost: 4/10; first killing frost: 10/20

F. Bergen County:
Riverside County Park and Hackensack River Area

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Formation
26-13-157	Pennick, S.B. Co.	1966	42	352	180/200	Trb
26-13-177	Breyer Ice Cream Co.			702	200	"
26-13-195	Omni Chemical Corp.	1968	39	300	157	"
26-13-195	Sika Chemical Corp.	1966	25	302	220	"
26-13-214	Trubeck Laboratories	1956	191	201	105	Q
26-13-215	Beckton & Dickinson	1966	118	363	251	Trb
26-13-216	Marijon Piece Dye Co.	1965	45	285	135	"
26-13-226	Hackensack Water Co.	1954	92'11"	103	No test	Q
26-13-234	U.S. Printing Ink Co.	1965	70	220	60	Trb
26-13-268	Top Notch Plating Co.	1965	21	300	190	"
26-13-298	Alpha Refining Co.			400	115	"
26-13-415	Minit-Man Auto Car Wash	1957	39	180	90	"
26-13-447	Food Fair Stores, Inc.	1956	30	320	82	"
26-13-499	Pfaff Tool & Mfg. Co.	1963	66.5	740	145	"

MAP-7.7

26-13-598	Erie Railroad			184	200	Trs
26-13-598	"			182	4	Trb
26-13-615	Keystone Metal Finishers	1968	20	200	312	"
26-13-642	"	1950	18	200	76	"
26-13-655/6	"	1960	21	150	150	Trs
26-13-668	Kiesewetter			380	0	Trdb-Trs
26-13-695	North Bergen Realty Co.			72	90	Q
26-13-775	Fairmount Chemical Co.	1965	114	300	300	Trb
26-13-775	United Shellac Co.			475	200	"
26-13-921	Miller & Co.			135	925	Q
26-13-924	DeAngelis Packing Co.	1948		45	0	"
26-13-983	Mehl, John & Co.	1913		1020	150	Trdb
26-13-983	"	1923		1050	40	"
26-13-984	Mountain Ice Co.			950	0	Trdb-PG
26-13-987	Steel Laundry Co.			1028	130	" "
26-13-994	General Refrigerator			1350	0	Trs-PG
26-13-995	Columbia Amusement Park			200	100	Trs

J. Geodetic Control Survey monuments described
Index Maps 21,26; adjacent Index Map 16

BLOCK #26-22

8/76

A. Elizabeth

B. Arthur Kill-Elizabeth, Elizabeth Channel, Morses Creek; Passaic-Lower Passaic

C. 1. Newark WSO AP - Detailed meteorologic data

2.

Map No.	Location	Period of Record
67	Elizabeth River at Irvington	1931-1938
68	Elizabeth River at Nye Ave., Irvington	7/23/38
72	Elizabeth River at Elizabeth	1921-

3.

262	Passaic River at Harrison	1967-1971
272	Elizabeth River at Morris Ave., Elizabeth	1964-

Water Quality Standards: (explained in Atlas Sheet description)
FW3, TW2 except where classified TW3

D. Brunswick Formation (Trb), Stockton Formation (Trs), Diabase (Trdb)

E. 1. Physiographic Province: Piedmont
Subdivision: Triassic Lowlands
Major Topographic Features: Wisconsin Terminal Moraine, Red Sandstone Plain, Hackensack Meadows, Newark Bay, Palisades Ridge
Elevations (ft.above sea level): ridges 300, valleys 0
Relief (ft.): 200

2. a. Normal Year: 44"
Dry Year: 36"
Wet Year: 53"

b. January: 32°F
July: 74°F

c. 243 days. Last killing frost: 4/15; first killing frost 10/20

F. Essex County:
Weequahic Park
Union County:
Elizabeth River Park
Warinanco Park

H. Boxwood Hall/Boudinot Mansion, Elizabeth (State Owened)

MAP-7.9

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Formation
26-22-143	Irvington Smelting & Ref.Wks.	1953	71	209	192	Trb
26-22-143	"	1953	62'4"	304	300	"
26-22-145	Associated Mech.Devices	1960	83	250	80	"
26-22-149	Gallo Asphalt Co.	1961	107	201	200	"
26-22-213	Krueger Brewing Co.			656	435	"
26-22-228	Smith & Smith Funeral Parlor			776	25	"
26-22-234	U.S. Navy			565	39	"
26-22-237	Conmar Corp.			300	450	"
26-22-262	National Lock Washer Co.			800	100	"
26-22-275	Linde Air Products Co.	1954	44'5"	500	124	"
26-22-293	New York Port Authority	1968	60	370	260	"
26-22-322	Standard Bitulithic Co.	1964	89'11"	406	360	"
26-22-327	Pfeiffer, H.			505	12	"
26-22-333	Arkansas Co., Inc.	1965	72'9"	400	65	"
26-22-333	Ronson Metals Corp.	1965	80	300	220	"
26-22-334	Wilson, H.A. Co.			778	8	"
26-22-345	Chem-Fleur	1965	97	306	200	"
26-22-355	Englehard Ind., Inc.	1966	54/79'8"	428	167	"
26-22-355	"	1965	80'7"	400	401	"
26-22-356	"	1966	78.5/92	495	4	"
26-22-368	Rutherford & Delaney Hldg.Co.	1956	42	220	100	"
26-22-411	Bristol Meyers	1967	49	500	159	"
26-22-418	Dillon-Beck Mfg. Co.			379	100	"
26-22-449	Elizabethtown Water Co.			400	550	"
26-22-463	Orbis Products Corp.	1958	157	350	12	"
26-22-517	Pennick, S.B. Co.	1961	64'10"	585	24	"
26-22-518	Pure Carbonic			600	30	"
26-22-546	Black Diamond Grit Co.	1960	92	265	150	"
26-22-574	Londat Aetz Fabric Co.	1965	50	600	30	"
26-22-574	Elizabeth Abbatoir			641	75	"
26-22-744	Morey LaRue Laundry			700	15	"
26-22-745	"			600	14	"
26-22-785	Stevenson Car Co.			300	95	"
26-22-786	Feldman Brothers			805	54	"
26-22-795	Reichold Chemical Co.	1967	39'6"	400	415	"
26-22-828	Singer Mfg. Co.			1200	90	"
26-22-833	General Chemical Co.	1965	106	500	70	"
26-22-842	Clauss Bottling Works			500	50	"
26-22-847	Elizabethtown Gas & Light			300	0	"
26-22-852	Riker Motor Co.			500	0	"
26-22-854	Thomas & Betts Co., Inc.			500	264	"

J. Geodetic Control Survey monuments described
Index Map 26; adjacent Index Map 31

WATER WITHDRAWAL POINTS MAP

WATER WITHDRAWAL
POINTS AND
NJGS CASE INDEX
SITES WITHIN
5.0 MILES OF:

LATITUDE 404644
LONGITUDE 741131

DRAFT

SCALE: 1:63,360

1 mile

× WATER WITHDRAWAL POINTS
◊ NJGS CASE INDEX SITES
1 MILE AND 5 MILE RADII INDICATED

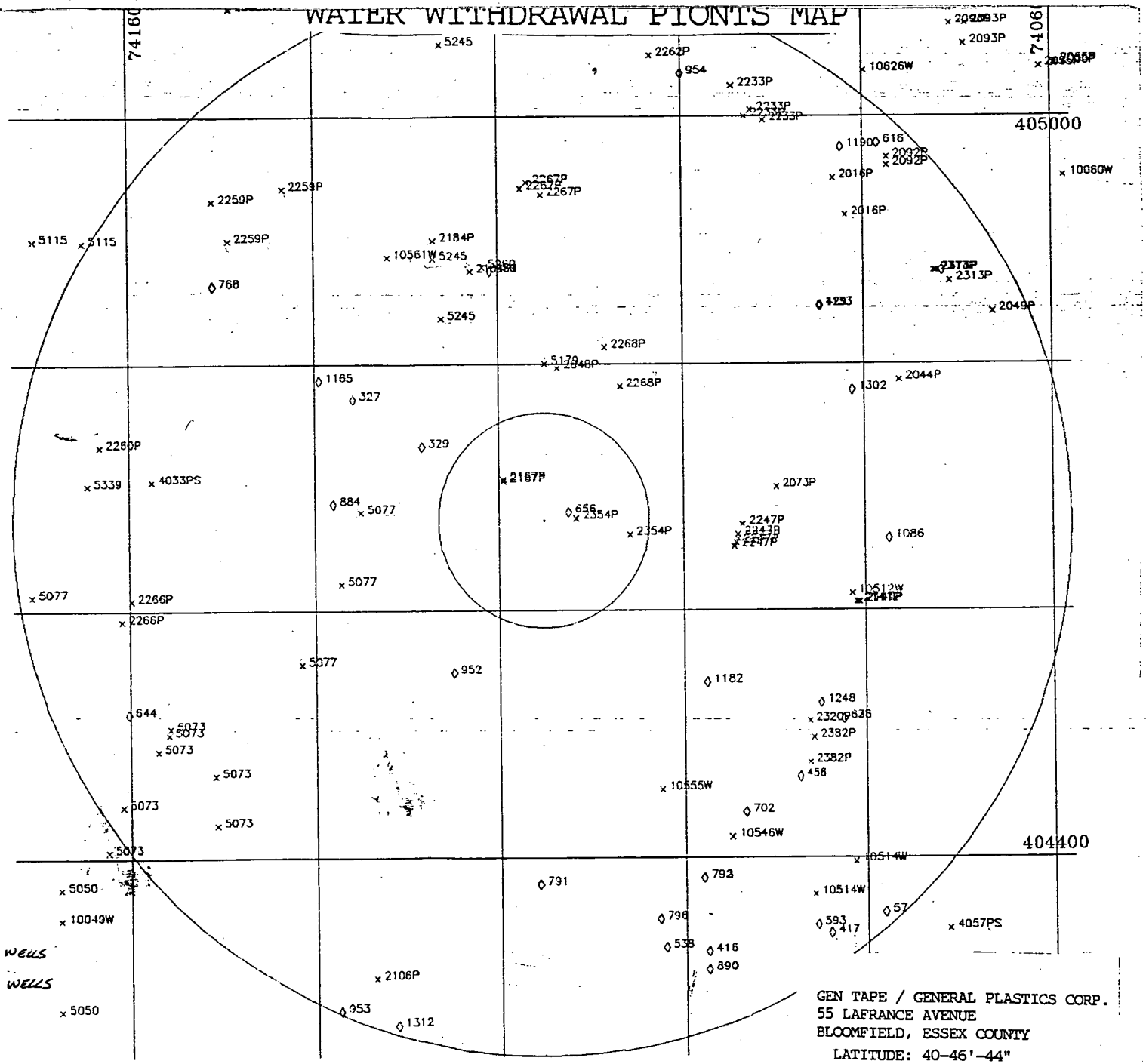
NJGS CASE INDEX DATA RETRIEVED FROM:
NEW JERSEY GEOLOGICAL SURVEY
ON 12/22/87

PLOT PRODUCED BY:
NJDEP
DIVISION OF WATER RESOURCES
BUREAU OF WATER ALLOCATION
CN-029
TRENTON, NJ 08625

DATE: 05/09/90

NOTE: YELLOW = INDUSTRIAL WELLS
PINK = MUNICIPAL WELLS

SUBJECT TO REVISION



GEN TAPE / GENERAL PLASTICS CORP.
55 LAFRANCE AVENUE
BLOOMFIELD, ESSEX COUNTY
LATITUDE: 40-46'-44"
LONGITUDE: 74-11'-31"

MAP - 8

 PRELIMINARY SURVEY OF WATER WITHDRAWAL POINTS WITHIN 5.0 MILES OF 404644 LAT. 741131 LON. (IN ORDER BY PERMIT NUMBER) - 05/09/90

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
10049W	MAPLEWOOD COUNTRY CLUB	2602808	1	404330	741645	T	5.9	13	11	60	CTRB		500
10060W	CARLSTADT - E. RUTHERFORD SOE	2603920	1	404931	740552	F	5.9	03	12	225	GTRB		125
10512W	V.H. SWENSON CO., INC.	2602717	1	404606	740809	F	3.0	17	07	400	GTRB		150
10514W	RONSON METALS CORP.	2603406	1	404358	740908	T	4.3	13	14	300	GTRB		150
	RONSON METALS CORP.	2604993	3	404342	740835	T	4.3	13	14	165			100
10546W	PUBLIC SERVICE ELECTRIC & GAS	4600103	1	404410	740930	F	3.4	17	04	216	GTRB		250
10555W	NEW JERSEY BELL TELEPHONE	2603173	1	404433	741015		2.7	13	14	215	GTRB		90
10561W	HOHNE'S	2600119	2	404352	741312	F	2.9	13	13	350	GTRB		175
10624W	FALSTROM COMPANY, INC.	2601494	1	405022	740759	T	5.2	31	07	300	GTRB		145
2016P	ITT AVIONICS DIVISION	2601834	1	404930	740820	T	4.2	13	16	500	GTRB		150
	ITT AVIONICS DIVISION	2601835	2	404930	740820		4.2	13	16	450	GTRB		150
	ITT AVIONICS DIVISION	2601905	3	404930	740820		4.2	13	16	500	GTRB		150
	ITT AVIONICS DIVISION	2604692	4/SEALED	404912	740812		4.1	13	16	500	GTRB		200
2044P	GRAND UNION CO.	4600002		404732	740738	S	3.6	03	39	300	GTRB		80
2046P	NATIONAL STARCH & CHEMICAL	2604314	1	404758	741122	T	1.4	13	02	410	GTRB		200
2049P	SIKA CORPORATION	2604036	1	404625	740638		4.7	03	32	302	GTRB		220
2052P	GANES CHEMICAL, INC.	4600080	2	405026	740857	F	6.5	03	05	490	GTRB		200
	GANES CHEMICAL, INC.	2600005	4	405024	740607	F	6.3	03	05	526	GTRB		80
	GANES CHEMICAL, INC.	2604277	5	405025	740857	F	6.4	03	05	430	GTRB		30
2073P	VAN DYK, DIV. OF MALLINCKRODT	4600092	1	404700	740900	T	2.2	13	01	352	GTRB		100
	VAN DYK, DIV. OF MALLINCKRODT	4600093	2	404700	740900	T	2.2	13	01	400	GTRB		150
	VAN DYK, DIV. OF MALLINCKRODT	2605113	3	404700	740900	T	2.2	13	01	400	GTRB		130
2092P	GIVAUDAN CORPORATION	4600006	6	404936	740745	F	4.7	31	02	297	GTRB		225
	GIVAUDAN CORPORATION	4600007	7	404940	740745	F	4.7	31	02	250	GTRB		110
2093P	ORVAL KENT FOOD COMPANY, INC.	2604317	1	405045	740704	F	6.0	03	12	550	GTRB		150
	ORVAL KENT FOOD COMPANY, INC.	2604341	2	405045	740654	S	6.1	03	12	300	GTRB		155
	ORVAL KENT FOOD COMPANY, INC.	2604382	3	405035	740655	T	6.0	03	12	470	GTRB		430
2106P	JERSEY PLASTIC MOLDERS, INC.	2604728	2	404301	741322		4.6	13	09	330	GTRB		320
2141P	PFAFF TOOL & MANUFACTURING CO.	2602162	1	404604	740804	F	3.1	17	07	590	GTRB		175
	PFAFF TOOL & MANUFACTURING CO.	2602735	2	404604	740806	F	3.1	17	07	740	GTRB		140
	PFAFF TOOL & MANUFACTURING CO.	2604269	3	404604	740806	F	3.1	17	07	550	GTRB		155
	PFAFF TOOL & MANUFACTURING CO.	2604711	4	404604	740806	F	3.1	17	07	333	GTRB		
2167P	SCHERING PLOUGH CORP.	2600921	1	404704	741157		0.5	13	02	478	GTRB		160
	SCHERING PLOUGH CORP.	2604498	2	404703	741157		0.5	13	02	400	GTRB		130
2184P	MOUNTAINSIDE HOSPITAL	2602296	1	404845	741218	U	2.4	13	13	400	GTRB		350
	MOUNTAINSIDE HOSPITAL	2604827	2	404900	741242	U	2.8	13	13	402	GTRB		250
2233P	HOFFMANN-LAROCHE INC.	4600153	30	405000	740919	F	4.2	13	16	402	GTRB		100
	HOFFMANN-LAROCHE INC.	4600156	32	405015	740927	F	4.4	31	02	650	GTRB		260
	HOFFMANN-LAROCHE INC.	4600157	33	405003	740915	F	4.3	31	02		GTRB		165
	HOFFMANN-LAROCHE INC.	4600158	37	404958	740907	F	4.3	31	02	720	GTRB		300
2247P	SETON COMPANY	4600160	2	404637	740925	F	1.8	13	14	300	GTRB		200
	SETON COMPANY	4600161	3	404635	740925	F	1.8	13	14	250	GTRB		75
	SETON COMPANY	4600162	4	404633	740926	F	1.8	13	14	200	GTRB		200
	SETON COMPANY	2604969	5	404631	740927	F	1.8	13	14	400	GTRB		500
	SETON COMPANY	2604968	6	404642	740922	F	1.9	13	14	400	GTRB		100
2259P	MONTCLAIR GOLF CLUB	4600163	1	404900	741455	F	4.0	13	22	300	GTRB		225
	MONTCLAIR GOLF CLUB	4600164	2	404900	741455	F	4.0	13	22	360	GTRB		25
	MONTCLAIR GOLF CLUB	4600165	3	404900	741455	F	4.0	13	22	300	GTRB		125
	MONTCLAIR GOLF CLUB	2602882	4	404925	741420	F	3.9	13	22	500	GTRB		150
	MONTCLAIR GOLF CLUB	2615027	5	404919	741505	F	4.3	13	22	75	GOED		225
2260P	ESSEX COUNTY, DEPT. OF PARKS	2603045	1	404720	741619	S	4.3	13	22	72	GOED		420
2263P	UPPER MONTCLAIR COUNTRY CLUB	2601199	1	405052	741025		4.8	31	02	490	GTRB		90
	UPPER MONTCLAIR COUNTRY CLUB	2604390	2	405057	741035		4.9	13	02	335	GTRB		132
	UPPER MONTCLAIR COUNTRY CLUB	2604825	3	405030	741020	T	4.4	31	02	300	GTRB		60
	UPPER MONTCLAIR COUNTRY CLUB	POND	SW	405050	741040	T	4.8	13	02	12	GOED		1100

MAP - 9.1

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLSEC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
2266P	ROCK SPRING CLUB	4600167	1	404555	741605	F	4.1	13	22	406	GTRB		76
	ROCK SPRING CLUB	2601607	2	404555	741605	F	4.1	13	22	750	GTRB		50
	ROCK SPRING CLUB	LAKE		404605	741559	S	4.0	13	22		GTRBS		500
2267P	GLEN RIDGE COUNTRY CLUB	2601882	1	404922	741132	S	3.0	13	02	353	GTRB		400
	GLEN RIDGE COUNTRY CLUB	2604134	2	404925	741145	S	3.1	13	02	300	GTRB		200
	GLEN RIDGE COUNTRY CLUB	4600168	3	404938	741141	F	3.1	13	08	400	GTRB		10
2268P	FOREST HILL FIELD CLUB	2604258	1	404749	741041	S	1.4	13	02	238	GTRB		60
	FOREST HILL FIELD CLUB	POND		404808	741051	F	1.7	13	02	14	SP		1300
2313P	FENCO OF LYNDHURST INC.	4600172	1	404845	740714		4.4	03	32	267	GTRB		110
	FENCO OF LYNDHURST INC.	4600173	2	404845	740715		4.4	03	32	313	GTRB		125
	FENCO OF LYNDHURST INC.	2601699	3	404845	740715	F	4.4	03	32	410	GTRB		150
	FENCO OF LYNDHURST INC.	2603804	4	404840	740705	F	4.5	03	32	352	GTRB		125
2320P	HONEYCOMB PLASTICS CORP.	4600182	1	404506	740838	S	3.1	17	07	500	GTRB		210
	HONEYCOMB PLASTICS CORP.	2602384	2	404506	740838	S	3.1	17	07	700	GTRB		500
2354P	ESSEX COUNTY DEPT. OF PARKS	2604894	2	404645	741110	T	0.3	13	14	450	GTRB		180
	ESSEX COUNTY DEPT. OF PARKS	4600216	1	404637	741035	S	0.8	13	14	300	GTRB		240
2363P	ESSEX COUNTY HOSPITAL CENTER	2604891	10	405053	741453		5.6	13	04	524	GTRB		250
	ESSEX COUNTY HOSPITAL CENTER	2604849	9	405053	741453		5.6	13	04	524	GTRB		200
	ESSEX COUNTY HOSPITAL CENTER	4602613	8	405053	741453		5.6	13	04	200	GTRB		200
	ESSEX COUNTY HOSPITAL CENTER	4602612	7	405053	741453		5.6	13	04	200	GTRB		200
2382P	CAPITAL CITY PRODUCTS COMPANY	2604523	NORTH WELL	404446	740838	S	3.4	17	07	584	GTRB		500
	CAPITAL CITY PRODUCTS COMPANY	2604614	SOUTH WELL	404458	740835	F	3.3	17	07	615	GTRB		1000
4033PS	ESSEX COUNTY COUNTRY CLUB	POND		404703	741545	T	3.7	13	22		SY		
4057PS	RTC PROPERTIES INC	PASSAIC RIVER	INTAKE 1	404325	740708	F	5.4	17	07		SPUMP		1500
5060	ELIZABETHTOWN WATER COMPANY	4600039	1	404345	741645		5.7	39	17	124	GTRB		100
	ELIZABETHTOWN WATER COMPANY	4600040	1A	404345	741645		5.7	39	17	132	GTRB		250
	ELIZABETHTOWN WATER COMPANY	4600041	2A	404345	741645		5.7	39	17	158	GTRB		250
	ELIZABETHTOWN WATER COMPANY	4600042	5A	404345	741645		5.7	39	17	140	GTRB		150
	ELIZABETHTOWN WATER COMPANY	4600043	6A	404345	741645		5.7	39	17	141	GTRB		300
	ELIZABETHTOWN WATER COMPANY	4600044	7	404345	741645		5.7	39	17	420	GTRB		100
	ELIZABETHTOWN WATER COMPANY	4600045	7A	404345	741645		5.7	39	17	140	GTRB		250
	ELIZABETHTOWN WATER COMPANY	4600046	9R	404345	741645		5.7	39	17	130	GTRB		150
	ELIZABETHTOWN WATER COMPANY	4600047	9R	404345	741645		5.7	39	17	130	GTRB		200
	ELIZABETHTOWN WATER COMPANY	4600048	11	404345	741645		5.7	39	17	162	GTRB		100
	ELIZABETHTOWN WATER COMPANY	4600049	12A	404345	741645		5.7	39	17	200	GTRB		100
	ELIZABETHTOWN WATER COMPANY	4600050	21R	404345	741645		5.7	39	17	130	GTRB		200
	ELIZABETHTOWN WATER COMPANY	4600051	24	404345	741645		5.5	39	17	200	GTRB		100
	ELIZABETHTOWN WATER COMPANY	4600052	36	404345	741645		5.7	39	17	200	GTRB		100
	ELIZABETHTOWN WATER COMPANY	4600053	42	404345	741645		5.7	39	17	200	GTRB		125
	ELIZABETHTOWN WATER COMPANY	4600054	47	404345	741645		5.7	39	17	200	GTRB		125
	ELIZABETHTOWN WATER COMPANY	4600055	48	404345	741645		5.7	39	17	200	GTRB		100
	ELIZABETHTOWN WATER COMPANY	4600056	50	404345	741645		5.7	39	17	200	GTRB		150
	ELIZABETHTOWN WATER COMPANY	4600057	53R	404345	741645		5.7	39	17	107	GTRB		100
	ELIZABETHTOWN WATER COMPANY	4600058	54	404345	741645		5.7	39	17	98	GTRB		250
	ELIZABETHTOWN WATER COMPANY	4600059	55	404345	741645		5.7	39	17	103	GTRB		500
	ELIZABETHTOWN WATER COMPANY	2604082	LAYNE 3	404345	741645		5.7	39	17	301	GTRB		300
	ELIZABETHTOWN WATER COMPANY	2604083	LAYNE 6	404345	741645		5.7	39	17	303	GTRB		200
6073	SOUTH ORANGE TOWNSHIP	4600060	1	404425	741605	U	4.8	13	19	274	GTRB		300
	SOUTH ORANGE TOWNSHIP	2600241	2	404425	741605	T	4.8	13	19	182	GTRB		200
	SOUTH ORANGE TOWNSHIP	2600242	3	404425	741605	T	4.8	13	19	115	GTRB		250
	SOUTH ORANGE TOWNSHIP	2600243	5	404425	741605	T	4.8	13	19	156	GTRB		100
	SOUTH ORANGE TOWNSHIP	2600244	7	404425	741605	T	4.8	13	19	299	GTRB		200
	SOUTH ORANGE TOWNSHIP	2600245	8	404425	741605	T	4.8	13	19	122	GTRB		225
	SOUTH ORANGE TOWNSHIP	4600061	11	404500	741535	T	4.1	13	19	304	GTRB		400
	SOUTH ORANGE TOWNSHIP	4600062	12	404425	741605	U	4.8	13	19	382	GTRB		200
	SOUTH ORANGE TOWNSHIP	4600063	13	404425	741605	U	4.8	13	19	349	GTRB		600

MAP - 8.2

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GED1	GED2	CAPACITY
	SOUTH ORANGE TOWNSHIP	4600064	14	404425	741605	U	4.8	13	19	355	GTRB		250
	SOUTH ORANGE TOWNSHIP	2602780	15	404503	741534	F	4.0	13	19	200	GTRB		450
	SOUTH ORANGE TOWNSHIP	2602369	16	404416	741504	F	4.2	13	19	350	GTRB		450
	SOUTH ORANGE TOWNSHIP	2602401	17	404440	741505	T	3.9	13	19	343	GTRB		400
	SOUTH ORANGE TOWNSHIP	2603643	19	404452	741542	F	4.2	13	19	500	GTRB		
	SOUTH ORANGE TOWNSHIP	2604546	20	404403	741615	F	5.2	13	19	200	GTRB		175
	SOUTH ORANGE TOWNSHIP	2604550	21	404403	741615	F	5.2	13	11	196	GTRB		
5077	ORANGE CITY	2603440	7	404534	741409	S	2.7	13	17	551	GTRB		350
	ORANGE CITY	2604322	8	404648	741330	S	1.7	13	17	500	GTRB		600
	ORANGE CITY	2604444	9	404613	741343	F	2.0	13	17	506	GTRB		500
	ORANGE CITY	RAHWAY RIVER		404607	741702	F	4.9				SYRAH		
5115	ESSEX FELLS TOWNSHIP	4600201	2	404859	741629	S	5.1	13	21	40	GCSD		150
	ESSEX FELLS TOWNSHIP	4600202	5	404900	741700	U	5.5	13	06	275	GTRB		400
5179	BLOOMFIELD TOWN	2604763	1	404800	741130	T	1.5	13	02	380	GTRB		330
5245	MONTCLAIR TOWN	2603687	RAND W. #1	404822	741237	S	2.1	13	13	300	GTRB		400
	MONTCLAIR TOWN	2603688	GLENFLD #2	404851	741242	F	2.6	13	13	300	GTRB		600
	MONTCLAIR TOWN	2604577	LORRAINE 3	405035	741237	F	4.5	13	13	300	GTRBG		400
5260	GLEN RIDGE WATER DEPT.	2604827	2	404847	741210	S	2.4	13	08	400	GTRB		300
5339	RAHWAY, CITY OF	RAHWAY RIVER		404701	741627		4.3	39	13		SYRAH		7000

Number of Observations: 130

MAP- 8.3

ATTACHMENT A

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
HAZARDOUS SITE MITIGATION ADMINISTRATION
BUREAU OF INDUSTRIAL SITE EVALUATION

ENVIRONMENTAL CLEANUP RESPONSIBILITY ACT (ECRA)

APPLICATION FOR ECRA REVIEW

SITE EVALUATION SUBMISSION

This is the second part of a two part application submittal and must be submitted within 30 days following public release of the decision to close operations or execution of an agreement of sale or option to purchase.

DATE July 25, 1984

NAME OF APPLICANT Gentape Company

ADDRESS 51 LaFrance Avenue

CITY OR TOWN Bloomfield, NJ ZIP CODE 07003

MUNICIPALITY _____ COUNTY Essex

SUBMIT THE FOLLOWING:

9. A scaled site map identifying all areas where hazardous substances or wastes have been or currently are generated, manufactured, refined, transported, treated, stored, handled or disposed, above or below ground.

IS THIS MAP ENCLOSED? ___ YES, (See Appendix #___) X NO but see unscaled drawing attached as APPENDIX #1

10. A detailed description of the current operations and process at the industrial establishment organized in the form of a narrative report designed to guide the Department step-by-step through a plant evaluation, with particular emphasis on areas of the process stream where hazardous substances and wastes are generated, manufactured, refined, transported, treated, stored, handled or disposed on site, above or below ground. Please note that establishments which ceased production prior to December 31, 1983, but are subject to ECRA because of on-going storage beyond that date, must provide details on past operations.

IS THIS REPORT ENCLOSED? X YES, (See Appendix # 2) ___ NO

IF YOU HAVE CHECKED "NO," STATE THE REASON(S): _____

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CE NUMBER 84-195

ATTACHMENT A-1

ECRA-2-5/84

11.A. A description of the types, age, construction material, capacity, contents, and locations of storage vessels, surface impoundments, landfills, or other types of storage facilities, including drum storage, containing hazardous substances or wastes.

ARE THESE FACILITIES IDENTIFIED ON YOUR SITE MAP OR DESCRIBED IN A NARRATIVE REPORT? X YES, (See Appendix #3) ___ NO

IF YOU HAVE CHECKED "NO," STATE THE REASON(S): _____

11.B. The Department requires that satisfactory leak tests such as the Petrotite (formerly the Kent Moore test) or the Leak Lokator LD-2000 Test or Soil Borings be performed to verify the integrity of all underground tanks and that the results of such tests be submitted to the Department.

ARE THE RESULTS OF THE LEAK DETECTION TEST OR THE SOIL BORINGS ENCLOSED? ___ YES, (See Appendix #___) X NO

IF YOU HAVE CHECKED "NO," STATE THE REASON(S): No leak detection test or soil borings have been taken in view of (i) the small quantities stored, (ii) the condition of the storage containers in the storage building and (iii) the lack of appearance of any leakage from the storage containers or the containment building.

12. A complete inventory of hazardous substances and wastes, including description and location of all hazardous substances or wastes generated, manufactured, refined, transported, treated, stored, handled or disposed on site, above and below ground, and a description of the location, types and quantities of hazardous substances and wastes that will remain on site. (Attach additional sheets if necessary.)

MATERIAL	QUANTITY	LOCATION	METHOD	TO REMAIN ON SITE (YES OR NO)
Acetone	220 gals.	Chemical Storage		YES
Xylene Enamel Thinner	55 gals.	" "		"
Methanol Alcohol	130 gals.	" "		"
Nitric Acid Reagent	6 gals.	Manufacturing Area		"
Petroleum Ether	6 gals	Chemical Storage		"

ATTACHMENT A-2

MATERIAL	QUANTITY	LOCATION	METHOD	TO REMAIN ON SITE (YES OR NO)

13. A detailed description, date and location on a scaled map of any known spill or discharge of hazardous substances or wastes that occurred during the historical operation of the site and a detailed description of any remedial actions undertaken to handle any spill or discharge of hazardous substances or wastes. (Attach additional sheets if necessary.)

IS THIS INFORMATION ENCLOSED? ___ YES, (See Appendix #___) X NO

IF YOU HAVE CHECKED "NO," STATE THE REASON(S): There are no known spills or discharges of any hazardous substances or wastes on the property leased by Gentape during its historical operation.

ARE THE SPILLS IDENTIFIED ABOVE INDICATED ON THE SCALED SITE MAP? ___ YES ___ NO

NOT APPLICABLE

ATTACHMENT A-3

IF YOU HAVE CHECKED "NO," STATE THE REASON(S): _____

14. A detailed sampling or other environmental evaluation measurement plan which includes proposed soil, groundwater, surface water, surface water sediment, and air sampling determined appropriate for the site. (This sampling plan must be developed in conformance with ECRA Regulations N.J.A.C. 7:1-3.14 et seq., and Quality Assurance Guidelines as developed by DEP, copies of which are enclosed.)

IS THE SAMPLING PLAN ENCLOSED? ___ YES, (See Appendix #___) X NO

IF YOU HAVE CHECKED "NO," STATE THE REASON(S): In view of the small quantities and nature of the hazardous materials stored and used on the site and in view of the absence of any known spills or discharges of such materials at the site, such a plan should not be required.

15. A detailed description of the procedures to be used to decontaminate and/or decommission equipment and buildings involved with the generation, manufacture, refining, transportation, treatment, storage, handling, or disposal of hazardous waste or substances including the name and location of the transporter, the ultimate disposal facility, and any other organizations involved.

IS THE DETAILED DESCRIPTION ENCLOSED? ___ YES, (See Appendix #___) X NO

IF YOU HAVE CHECKED "NO," STATE THE REASON(S): NOT APPLICABLE

16. Copies of all soil, groundwater and surface water sampling results, including effluent quality monitoring, conducted at the site of the industrial establishment during the history of ownership by the owner or operator, including a detailed description of the location, collection, chain of custody, methodology, analyses, laboratory, quality assurance/ quality control procedures, and other factors involved in preparation of the sampling results;

ARE HISTORICAL RESULTS ENCLOSED? ___ YES, (See Appendix #___) X NO

IF YOU HAVE CHECKED "NO," STATE THE REASON(S): No such samplings or analyses have been prepared. See answer to 14 above.

17. If you currently have a Spill Prevention Control and Countermeasure Plan (SPCC) for this facility, enclose a copy with this submittal.

IS YOUR SPCC PLAN ENCLOSED? ___ YES, (See Appendix #___)
_X_ NO, this facility is not required to have an spcc plan.

18. Please list any other information you are submitting: NONE

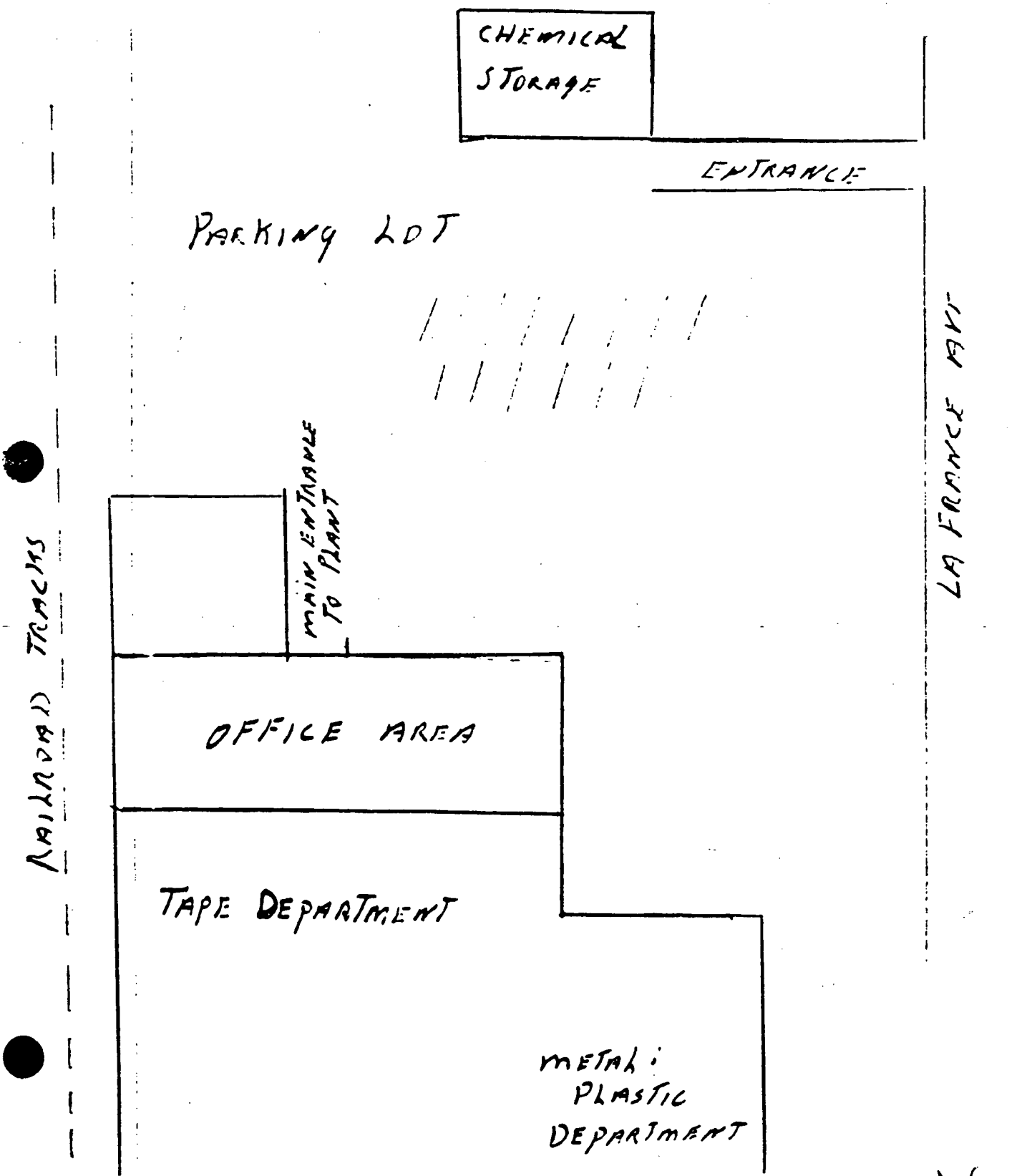
Send complete information package to:

BUREAU OF INDUSTRIAL SITE EVALUATION
DIVISION OF WASTE MANAGEMENT
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
CN-028
TRENTON, N.J. 08625
ATTN: ECRA NOTICE SUBMISSION

ATTACHMENT A-5

APPENDIX L

GENTAPE CO.
51 LA FRANCE AVE
BLOOMFIELD, N.J. 07003
201/ 748 5506



ATTACHMENT A-6

APPENDIX #2

Gentape manufactures tapes, dials and panels used primarily for visual display instrumentation in commercial and military aircraft and aerospace vehicles. Gentape's manufacturing operations generally consist of the following activities. For tape products employees slit and perforate fiberglass tapes that are coated with nylon to allow screen printing and to provide dimensional stability to the tape. Tapes are then either screen printed or photo etched, spliced and packaged for shipment to the customer. Metal and plastic dials and panels are machined to the customer's specifications and the surface is spray painted. This process is followed by screen printing or photo etching, the final production step prior to shipment. Gentape uses the following substances in the following approximate annual quantities in the course of its manufacturing operations:

Substance	Manufacturer's Name	Department of Transportation Hazardous Class Flamable Liquid No.	Annual Quantity
(1) Acetone	Stoney Mueller) Miller Chemical) Aetna Chemical)	UN1090	220 gals.
(2) Xylene Enamel Thinner	Stoney Mueller	UN1307	55 gals.
(3) Methanol Alcohol	Stoney Mueller	UN1230	130 gals.
(4) Nitric Acid Reagent	J. T. Baker Co.	Unknown	6 gals.
(5) Petroleum Ether	J. T. Baker Co.	Unknown	6 gals.

APPENDIX #2 continued

No disposal is made of items (1), (2) and (3) above. To the extent not used, items (1) and (5) evaporate and items (2) and (3) are reused. Item (4) above is neutralized with Neutrasorb #7 and disposed of as a non-hazardous material. Gentape's facilities consist of approximately 26,000 square feet of office and manufacturing space. Total sales for the year 1983 were less than $1.5 million. The Company employs approximately 50 people.

ATTACHMENT A-8

APPENDIX #3

Gentape stores its hazardous materials in a separate building located approximately 75 feet from its manufacturing facility. When use of these materials is required during the manufacturing process, five gallons are requisitioned from the storage area. Upon delivery to Gentape's premises, these materials are stored in the manufacturer's containers, which are normally 55 gallon steel drums. The storage area is a brick building approximately 40 years old with a cement floor. The entrance door is padlocked at all times.

At any one time the following materials are stored in the storage area in the following approximate quantities:

Acetone	3 - 55 gallon drums
Xylene	5 - 55 gallon drums
Methanol Alcohol	2 - 55 gallon drums
Petroleum Ether	1 - 5 gallon container

Nitric Acid Reagent is stored in the manufacturing area in a five gallon container.

The signature of an authorized officer of Uni-Dyanamics, in the spaces indicated below, will signify the acceptance of this proposal of Plastic Management Corp. for the acquisition of GenTape Corporation, a division of Uni-Dynamics.

Very truly yours,

PLASTIC MANAGEMENT CORPORATION

Lori M. Johnson

LORI M. JOHNSON
VICE PRESIDENT

ACCEPTED BY:

UNI-DYNAMICS

BY_____

TITLE_____

DATE_____

ATTACHMENT A-10

ATTACHMENT B

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
HAZARDOUS SITE MITIGATION ADMINISTRATION
BUREAU OF INDUSTRIAL SITE EVALUATION

ENVIRONMENTAL CLEANUP RESPONSIBILITY ACT
INITIAL NOTICE
GENERAL INFORMATION SUBMISSION

(This is the first part of a two-part application form. This information must be submitted within 5 days following public release of a decision to close operations or the signing of a sales agreement or option to purchase involving an Industrial Establishment as defined in N.J.S.A. 13:1K-6, the Environmental Cleanup Responsibility Act.)

~~CONFIDENTIAL~~

Please refer to N.J.A.C. 7:1-3.7 et seq. before filling out this form. Answer all questions. Please print or type.

Date July 25, 1984

1. A. Industrial Establishment

Name Gentape Co. Telephone No. 201-748-5506

Street Address 51 LaFrance Avenue

City or Town Bloomfield State NJ Zip Code 07003

Municipality _____ County Essex

B. Lot number 13 Block number 63

C. Standard Industrial Classification (SIC) Number 2995/3728/3811

D. Current Owner (Property owner)

Name General Plastics Corp. Telephone No. 201-748-5500

Street Address 55 LaFrance Avenue

Municipality Bloomfield State NJ Zip Code 07003

E. If the industrial establishment discharges to a publicly-owned treatment plant, provide the name and address of that facility.

Name Unknown Telephone No. _____

Street Address _____

Municipality _____ State _____ Zip Code _____

FOR DEP use only
Date Received 25 JUL 1984
Notice Number 84-795

ECRA-1 5/84

ATTACHMENT B-1

F. Has an ECRA application been filed for this Industrial Establishment or location previously? No If so, when? _____ For what reason? _____

Final Disposition? N/A

G. How is this Industrial Establishment heated?(gas,oil,electricity) Oil

2. Previous owner(s) and current address (es)(attach additional sheets if necessary).

Name	Current Address	Description of the Operation
55 LaFrance Corp.	55 LaFrance Ave.	Industrial Plant
	Bloomfield, NJ 07003	

3. If the transaction initiating an ECRA review is the closure of operations, fill in the date of public release of the decision to close the facility and enclose a copy of the public announcement.

Date of the public release of the decision N/A

Is the public release enclosed? _____ Yes X No

If you checked "no", state the reason(s) Business is being sold to the owner of the property, General Plastics Corp., 55 LaFrance Avenue, Bloomfield, NJ 07003.

No public release will be made and the employees have yet to be notified.

ATTACHMENT B-2

4. If the transaction initiating an ECRA review is an agreement of sale or option to purchase, fill in the date of the execution of that instrument plus provide a copy of the document July 2, 1984.

Name and address of the other parties to the transfer:

Name	Street Address and Municipality	Phone No.
Plastics Management Corp. or General Plastics Corp.	55 LaFrance Avenue Bloomfield, NJ 07003	201-748-5500

Is a copy of the agreement of sale or option to purchase attached? x Yes ____ No

If you checked "no", state the reason(s) N/A

5. Actual date proposed for closure of operations or transfer of title 7/26/84 or as soon as possible

6. Authorized agent designated to work with the Department.

Name Thomas C. Fish

Street Address 51 LaFrance Avenue

Municipality Bloomfield State NJ Zip Code 07003

Telephone No. 201-748-5506

7. List all federal and state environmental permits applied for and received at this facility (attach additional sheets if necessary).

N/A Check here if no permits are involved.

ATTACHMENT B-3

A. New Jersey Bureau of Air Pollution Control.

Permit Number	Date of Approval or Denial	Reason for Denial (if applicable)	Expiration Date
N/A			

B. New Jersey Pollutant Discharge Elimination System

Number	Discharge Activity	Date issued or Denied	Expiration Date	Body of Water Discharged into
N/A				

C. United States Environmental Protection Agency(EPA) Identification Number.

N/A

D. All other federal, state, local environmental permits.

Agency Issuing Permit	Permit Number	Date of Approval or Denial	Expiration Date
N/A			

ATTACHMENT B-4

8. If applicable, identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, civil penalties, or criminal actions concerning the environment issued against the facility during the last ten years.

__x__ Check here if no enforcement actions are involved

A. Date of Action _____

Section of Law or Statute violated _____

Type of Enforcement Action _____

Description of the violation _____

How was the violation resolved?

B. Date of Action _____

Section of Law or Statute violated _____

Type of Enforcement Action _____

Description of the violation _____

How was the violation resolved? _____

(Add additional pages, if necessary)

ATTACHMENT B-5

Send this completed form to:

N.J. Department of Environmental Protection
Division of Waste Management
Bureau of Industrial Site Evaluation
CN 028
Trenton, New Jersey 08625

Attn: ECRA Initial Notice

ATTACHMENT B-6

ATTACHMENT C

GENTAPE COMPANY
51 LaFrance Avenue
Bloomfield, New Jersey 07003

July 25, 1984

CONFIDENTIAL

Mr. Anthony McMahon
Bureau of Industrial Site Evaluation
65 Prospect Street
CN028
Trenton, New Jersey 08625

Dear Mr. McMahon:

Enclosed is an affidavit reciting the minimal involvement of Gentape Company in the use of hazardous substances and waste. Based upon the affidavit, Gentape requests that the proposed sale of its business be made exempt from the provisions of the New Jersey Environmental Clean Up Responsibility Act relating to New Jersey EPA approval for the proposed sale.

Please forward a Letter of Non-Applicability to the above address by Federal Express, charging the recipient for the cost involved (Account No. 1013-0472-8).

Very truly yours,

Thomas C. Fish
President

TCF:ebm
Enclosure

CONFIDENTIAL

received
25 JUL 1984

ATTACHMENT C-1

STATE OF CONNECTICUT)
) ss:
COUNTY OF FAIRFIELD)

AFFIDAVIT

The undersigned, THOMAS C. FISH, being duly sworn, deposes and says:

1. That he is the president of Gentape Company ("Gentape") which is located at 51 LaFrance Avenue, Bloomfield, New Jersey. The facility is leased from General Plastics Corporation, 55 LaFrance Avenue, Bloomfield, New Jersey, which has the sole obligation to supply all utilities to Gentape, including heat. All of the oil heating equipment is located on the adjoining premises occupied by the Landlord, and Gentape has no legal access to, or control over, such equipment.

2. The Gentape business conducted in Bloomfield, New Jersey, is classified in the following "SIC" categories:

2295
3728
3811

3. Gentape manufactures tapes, dials and panels used primarily for visual display instrumentation in commercial and military aircraft and aerospace vehicles. Gentape's manufacturing operations generally consist of the following activities. For tape products employees slit and perforate fiberglass tapes that

ATTACHMENT C-2

are coated with nylon to allow screen printing and to provide dimensional stability to the tape. Tapes are then either screen printed or photo etched, spliced and packaged for shipment to the customer. Metal and plastic dials and panels are machined to the customer's specifications and the surface is spray painted. This process is followed by screen printing or photo etching, the final production step prior to shipment. Gentape's facilities consist of approximately 26,000 square feet of office and manufacturing space. Total sales for the year 1983 were less than $1.5 million. The Company employs approximately 50 people.

4. Deponent is familiar with the New Jersey Environmental Clean Up Responsibility Act ("ECRA") and the lists of hazardous substances and wastes ("hazardous materials") issued under ECRA by the State of New Jersey, Department of Environmental Protection, copies of which are attached as Exhibit 1. Deponent has investigated the nature of the materials and substances used in Gentape's manufacturing processes and represents that except as specified in the next succeeding sentence Gentape is not and has not been engaged in the generation, manufacture, refining, transportation, treatment, storage or handling of hazardous materials on its premises, above or below ground. Gentape uses the following substances in the following approximate annual quantities in the course of its manufacturing operations:

Substance	Manufacturer's Name	Department of Transportation Hazardous Class Flamable Liquid No.	Annual Quantity
(1) Acetone	Stoney Mueller) Miller Chemical) Aetna Chemical)	UN1090	220 gals.
(2) Xylene Enamel Thinner	Stoney Mueller	UN1307	55 gals.
(3) Methanol Alcohol	Stoney Mueller	UN1230	130 gals.
(4) Nitric Acid Reagent	J. T. Baker Co.	Unknown	6 gals.
(5) Petroleum Ether	J. T. Baker Co.	Unknown	6 gals.

No disposal is made of items (1), (2) and (3) above. To the extent not used, items (1) and (5) evaporate and items (2) and (3) are reused. Item (4) above is neutralized with Neutrasorb #7 and disposed of as a non-hazardous material.

5. Gentape has not been cited for violation of any Federal or State Environmental Statute.

6. On July 2, 1984 Gentape received an offer from Plastics Management Corporation of Sun Valley, California to purchase substantially all the assets and to assume substantially all the liabilities of Gentape Company. A copy of the offer is attached as Exhibit 2.

7. Since Gentape's utilization of hazardous materials is limited to the usage described above and does not otherwise generate, manufacture, refine, transport, treat, store or handle any

ATTACHMENT C-4

hazardous materials, Deponent submits that Gentape is entitled to, and hereby requests, a "Letter of Non-Applicability" from the State of New Jersey, Department of Environmental Protection, Bureau of Industrial Site Evaluation, with reference to the proposed sale and transfer of the business of Gentape to Plastics Management Corporation or its subsidiary, General Plastics Corporation.

THOMAS C. FISH

SWORN to this 24th day
of July, 1984.

Elaine B. Mydlarz
NOTARY PUBLIC

ATTACHMENT C-5

ATTACHMENT D

UniDynamics
Gentape

Gentape Company
51 LaFrance Avenue
Bloomfield, New Jersey 07003
201-748-5506

A division of
UniDynamics Corporation

August 3, 1984

Mr. Anthony McMahon
Environmental Protection Agency
Bureau of Industrial Site Evaluation
65 Prospect Street
CN028
Trenton, NJ 08625

Dear Mr. McMahon:

Confirming our phone conversation this past Wednesday, I have enclosed a copy of the Sales Agreement between Zallea Systems, Inc., a subsidiary of UniDynamics Corporation (owner of Gentape Company), and the proposed buyer, General Plastics Corporation. While this contract is in preliminary form, it captures the essence of the proposed sale between the two parties.

I would like to supplement the information provided in our initial notice and general information submission to ECRA dated July 25, 1984. Question 2 listed the previous owner of the property as being 55 LaFrance Corporation. Gentape Company was founded by General Plastics Corporation approximately 25 years ago and operated as a separate division up until the time General Plastics and Gentape were sold in 1973 to Resistoflex Corporation of Roseland, New Jersey. The property was retained by the seller and incorporated as 55 LaFrance Corporation. UniDynamics Corporation acquired Resistoflex and its subsidiaries, including General Plastics and Gentape, in 1978. In 1980 General Plastics Corporation was sold to Service Color Corporation. The owner of General Plastics Corporation purchased the land and buildings from 55 LaFrance Corporation on December 27, 1983.

I hope this clarifies the prior ownership and history of the company.

We are awaiting notification as to when a site evaluation will be made at Gentape, since we are anxious to conclude the sale of this business to General Plastics Corporation.

Very truly yours,

Thomas C. Fish
President

TCF:ebm
Enc.

Telex 138710
TWX 710-734-4336

Received
06 AUG 1984

ATTACHMENT D

ATTACHMENT E

Bureau of Industrial Site Evaluation
Environmental Cleanup Responsibility Act

Report of Inspection

ECRA CASE # 84-195 Date of Inspection 8-23-84

Inspection Category: Preliminary X Final ____

Inspector Charles Bartolone

Industrial Establishment Gentape Company

Location 51 LaFrance Avenue

Bloomfield, NJ

Individuals Involved: Thomas C. Fish - Gentape Company.

NARRATIVE DESCRIPTION: Gentape prepares tapes, dials and panels used primarily for visual display instrumentation in commerical and military aircraft and aerospace vehicles.

DEFICIENCIES NOTED:

1. Paints and chemicals were observed in many areas of the plant
2. No documentation received on prior waste disposal methods.
3. No EPA ID#
4. Paint spray booths were installed without Air Pollution permits.

ACTIONS REQUIRED ON THE PART OF THE APPLICANT:

1. Complete inventory of paints and chemicals inside the building
2. Reorganize the paints and chemicals inside the plant and enact a proper waste disposal method.
3. Obtain an EPA ID#
4. Obtain Air permits for the paint spray booths
5. The integrity of the 20,000-gallon underground fuel oil tank must be demonstrated through a leak test in accordance with NFPA Criterion 329 or a subsurface investigation in the form of soil boring or trenching followed by appropriate chemical analysis.

Inspector/Case Manager Signature Charles Bartolone

Approved: Richard Kit, Assistant Chief
Bureau of Industrial Site Evaluation

ATTACHMENT E

ATTACHMENT F

SCHEDULE D

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
JOHN FITCH PLAZA, CN027, TRENTON, N.J. 08625

November 13, 1984

Mr. Thomas Fish
Uni Dynamics Corporation
Gentape Company
51 LaFrance Avenue
Bloomifeld, NJ 07003

Dear Mr. Fish:

This letter is to advise you that Permits to Construct, Install or Alter Control Apparatus or Equipment and Certificates to Operate Control Apparatus or Equipment have been approved by the Bureau of Engineering and Technology as follows:

Company Name: Gentape ID# To Be Assigned (05728)

Plant Location: Bloomfield

Company Designation of Stacks:

#1 Spray Booth
#2 Spray Booth
#3 Spray Booth
#4 Spray Booth
#5 Spray Booth
#6 Spray Booth
#7 PQ Oven

RECEIVED
NOV 19 1984

Approval Date: November 9, 1984

Tracking Numbers:

84-3027
84-3572
84-3573
84-3574
84-3575
84-3576
84-3577

Certificate Status: Temporary

You will be sent forms VEM-017 at a later date. Forms VEM-017 will include your New Jersey Plant ID Number, New Jersey Stack Number, and Permit and Certificate Number.

New Jersey Is An Equal Opportunity Employer

ATTACHMENT F-1

If you have any questions regarding these approvals, please contact Mr. Pat Zigrand at 609-984-3030 and refer to the Tracking Numbers above.

Very truly yours,

William F. Hart
Supervisor
New Source Review Section

dmo

cc: P. Zigrand
MRO

Attachment

RECEIVED
NOV 19 1984

ATTACHMENT F-2

ATTACHMENT G

STATE OF CONNECTICUT)
) ss: Stamford
COUNTY OF FAIRFIELD)

AFFIDAVIT OF NEGATIVE DECLARATION

The undersigned, THOMAS C. FISH, being duly sworn, deposes and says:

1. That he is the president of Gentape Company ("Gentape") which is located at 51 LaFrance Avenue, Bloomfield, New Jersey (the "Plant"). The Plant is leased from General Plastics Corporation, 55 LaFrance Avenue, Bloomfield, New Jersey, (the "Landlord") which under the lease furnishes all heating requirements to Gentape. All of the oil heating equipment including the heating oil tank is located on the adjoining premises owned and occupied by the Landlord. Gentape has no legal access to, or control over, such equipment.

2. Gentape manufactures tapes, dials and panels used primarily for visual display instrumentation in commercial and military aircraft and aerospace vehicles. Gentape's manufacturing operations generally consist of the following activities. For tape products employees slit and perforate fiberglass tapes that are coated with nylon to allow screen printing and to provide dimensional stability to the tape. Tapes are then either screen printed or photo etched, spliced and packaged for shipment to the customer. Metal and plastic dials and panels are machined to the customer's specifications and the surface is spray painted. This

ATTACHMENT G-1

process is followed by screen printing or photo etching, the final production step prior to shipment.

3. On July 2, 1984 Gentape received an offer from Plastics Management Corporation of Sun Valley, California on behalf of its wholly owned subsidiary General Plastics Corporation to purchase substantially all of the assets and assume certain liabilities of Gentape Company. The parties are awaiting clearance from the State of New Jersey, Department of Environmental Protection in order to complete the sale.

4. Deponent is familiar with the New Jersey Environmental Clean Up Responsibility Act ("ECRA") and the lists of hazardous substances and wastes ("hazardous materials") issued under ECRA by the State of New Jersey, Department of Environmental Protection. Deponent has investigated the nature of the materials and substances used in Gentape's manufacturing processes and represents that except as specified in the next succeeding sentence Gentape is not and has not been engaged in the generation, manufacture, refining, transportation, treatment, storage or handling of hazardous materials on its premises, above or below ground. Further, Deponent is not aware of any "discharge into the environment" by Gentape of any hazardous materials. Gentape uses the following substances in the following approximate annual quantities in the course of its manufacturing operations:

ATTACHMENT G-2

Substance	Manufacturer's Name	Department of Transportation Hazardous Class Flamable Liquid No.	Annual Quantity
(1) Acetone	Stoney Mueller) Miller Chemical) Aetna Chemical)	UN1090	220 gals.
(2) Xylene Enamel Thinner	Stoney Mueller	UN1307	55 gals.
(3) Methanol Alcohol	Stoney Mueller	UN1230	130 gals.
(4) Nitric Acid	J. T. Baker Co.	Unknown	6 gals.
(5) Petrolem Ether	J. T. Baker Co.	Unknown	6 gals.

To the extent not used, items (1) and (5) evaporate and items (2) and (3) are reused and subsequently collected in waste containers for authorized disposal. Item (4) above is neutralized with Neutrasorb #7 and disposed of as a non-hazardous material.

5. In a letter dated September 17, 1984 to Gentape from the State of New Jersey, Department of Environmental Protection, a copy of which is attached hereto as Schedule A, that Department directed Gentape to take certain actions concerning environmental matters at its Plant. In response to that letter, Gentape has taken the following steps:

(a) An extensive inventory of paints and chemicals (the "Inventory") utilized inside the Plant was made and a copy is attached hereto as Schedule B.

(b) Using the Inventory as a basis, Gentape has reorganized its paints and chemicals by consolidating duplicate materials, segregating paints and chemicals into designated locations and clearly labeling of materials where necessary. In addition, Gentape has now located clearly marked five gallon "safety can" waste containers in six (6) major areas in the Plant. A procedure has been established whereby the safety cans are emptied regularly into large hazardous waste containers in a chemical storage shed adjacent the Plant. A licensed waste hauler, Solvent Recovery Service of New Jersey, Inc. has been retained to make regular pickups of the waste material held in the chemical storage shed. A copy of a letter dated October 8, 1984 from Solvent Recovery Service of New Jersey, Inc. describing the services to be performed, is attached hereto as Schedule C.

(c) Effective September 14, 1984, Gentape was granted a U.S. Environmental Protection Agency identification number NJD101226322.

(d) Gentape obtained an Air Pollution Approval dated November 9, 1984 from the New Jersey State Department of Environmental Protection Agency (Division of Environmental Quality) to authorize use of its existing production spraying equipment. A copy of the Approval letter dated November 13, 1984 from the New Jersey

State Department of Environmental Protection Agency is attached hereto as Schedule D.

(e) Gentape arranged for the testing of a 20,000 gallon underground fuel oil tank owned and operated by the Landlord which supplies heating oil to the Plant. A letter dated October 29, 1984 from Fairfield Maintenance, Inc. (an oil tank testing company) states that the Landlord's oil tank meets all the accepted criteria of the National Fire Protection Association concerning leakage and the tank was therefore certified as tight. A copy of the letter of certification is attached hereto as Schedule E.

In the initial stages of testing, the manway cover gasket of the tank was found to be defective. The gasket was replaced and as stated above, the tank was certified as tight. In a notarized letter dated November 19, 1984, Fairfield Maintenance Inc. reported that there was no contamination of the surrounding soil due to the gasket defect. A copy of the letter is attached hereto as Schedule F.

The tank test described above required that the tank be filled to its 20,000 gallon capacity. In October 1984, Gentape arranged for delivery of, and initially paid for, the necessary oil to fill the Landlord's tank for testing. The Landlord has arranged

to reimburse Gentape for the cost of the oil. The oil has never been recorded in the Gentape inventory.

6. In July 1981, Robert Goldsmith ("Goldsmith") the former landlord of Gentape was notified by the Department of Health of Bloomfield, New Jersey that he had responsibility for certain refuse (including bills of lading, cassette tapes and papers) that had been disposed of in a vacant lot adjoining the Gentape Plant. Under the supervision of the Department of Health, Goldsmith arranged to have the refuse transported to a dump site. After the refuse was removed, the area was covered with clean fill. Gentape has been advised by Miss Gloria Hedstrom, Chief Sanatarian for the Department of Health that the "condition was corrected" in a manner deemed satisfactory by the Department of Health. A copy of the report from the Department of Health dated September 15, 1981 (signed by Miss Hedstrom) is attached hereto as Schedule G.

ATTACHMENT G-6

7. Deponent believes that it has met all the requirements and supplied all the information required by the State of New Jersey, Department of Environmental Agency relating to environmental matters and that Gentape is now entitled to written approval of this Negative Declaration from the Department.

THOMAS C. FISH

SWORN to before me
this 26th day of
November, 1984.

NOTARY PUBLIC

CORINNE A. O'BRIEN
NOTARY PUBLIC
MY COMMISSION EXPIRES MAR. 31, 1987

ATTACHMENT G-7

ATTACHMENT H

ECRA ACTION TRACKING SUMMARY Notice #: <84195> Case manager: <CB >

Industrial establishment: <GENTAPE CO. >
a.k.a.:
Facility address: 51 LaFrance Ave. County-municipality #:
Municipality: BLOOMFIELD Zip: 07003 County: ESSEX
SIC #: <2995> Block: 63 Lots: 13
Agent's name: Thomas C. Fish Phone #: (201)7485506
Agent's firm: Gentape Co.
Address: 51 LaFrance Ave City: Bloomfield, NJ Zip: 07003

Company target dates:
sign sales agreement/purchase option: 7/ 2/84 announce closing:
finalize transfer/sale: 7/26/84 terminate operations:
Transaction type: S B=bankruptcy C=cessation F=foreclosure
P=sale of property S=sale of business T=stock transfer X=condemnation
Law firm:
Consultant: Lab:

Initial notice: GIS received: 7/25/84 reviewed by: RJK date: 7/30/84
SES received: 7/25/84 reviewed by: RJK date: 7/30/84
Complete? GIS: Y (Y or N) checklist sent: new data rec'd:
SES: Y (Y or N) checklist sent: new data rec'd:

File rev's: 9/20/84 by: CB ltr to mayor: contact H.O.:
Other names:
Comments: also SIC 3728,3811

Prelim Insp by: CB date: 8/23/84 report drafted: sent: 9/17/84
Comments: notice claimed air permits N/R; paint spray booths noted during inspection.

Negative Dec: submitted: 11/ 5/84 suspense: < >
disapproved: resubmitted: 11/21/84 approved: 11/30/84
Prop owner Neg Dec: submitted: suspense: < >
disapproved: resubmitted: approved:

Sampling Plan: received: reviewed by: date:
to BEERA: authorized: taken:
observed by: splits requested?
obtained? (Y,N or A=n/a) results rec'd: rev'd by
comments: N/R

Cleanup plan: submitted: reviewed by: to BEERA:
date completed: approved: disapproved:
comments: N/R
Deferral requested: suspense: app'd: denied:
Cleanup authorized: begun: completed:
spot checks of cleanup progress on:

Financial assurance received: reviewed by: approved:
amount: $ 0 type: B=bond L=letter of credit S=self-bonding
Financial assurance released:

Final inspection performed by: date:
COMMENTS N/R

Final disposition: <N> date: <11/30/84> by: AJM fee: $ 0
N=negative declaration C=cleanup plan W=withdrawn E=exempt

ATTACHMENT H

ATTACHMENT I

J-8
2nd

NPDES PERMIT NO. NJ 0029173

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

By authority of Richard Dewling, Acting Regional Administrator, Region II U.S. Environmental Protection Agency ("EPA"), and in compliance with the provisions of the Clean Water Act, as amended, 33 U.S.C. §1251 et seq. (the "Act"),

General Plastics Company

hereinafter referred to as "the Permittee" is authorized to discharge from a facility located at

55 LaFrance Avenue
Bloomfield, New Jersey 07003

to receiving waters named

Passaic River

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective on October 30, 1981.

This permit and the authorization to discharge shall expire at midnight, October 29, 1986.

Signed this 24th day of August 1981

JULIO MORALES-SANCHEZ
DIRECTOR
ENFORCEMENT DIVISION

ATTACHMENT I-1

State of New Jersey
Department of Environmental Protection
Division of Water Resources
401 East State Street, CN-029
Trenton, New Jersey 08625

FACT SHEET
FOR DRAFT NJPDES PERMIT TO DISCHARGE INTO THE WATERS OF THE STATE OF NEW JERSEY

Permit No. NJ 0029173

NAME AND ADDRESS OF APPLICANT:

General Plastics Corp.
55 La France Avenue
Bloomfield, New Jersey 07003

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

General Plastics Corp.
55 La France Avenue
Bloomfield, Essex County

RECEIVING SURFACE WATER:
Passaic River

SURFACE WATER CLASSIFICATION:
FW2-NT

DESCRIPTION OF FACILITY

The above named applicant manufactures teflon coating. Approximately .047 million gallons per day of non-contact cooling water were being discharged into the Passaic River. The facility redirected the discharge to a sewerage authority in 1987 and is no longer discharging to the Passaic.

ATTACHMENT I-2

ATTACHMENT J

GENERAL PLASTICS CORPORATION
55 LA FRANCE AVENUE BLOOMFIELD, NEW JERSEY 07003
TEL. (201) 748-5500 TWX 710-994-4754

January 19, 1984

N.J. Environmental Protection
1100 Raymond Boulevard
Room 510
Newark, New Jersey 07102

Dear Mr. Bogen:

With reference to our phone conversation, please find enclosed a copy of the report from Power Chemicals on our boiler blow down.

If further information is required, please advise.

Very truly yours,

GENERAL PLASTICS CORPORATION

Joe Shumlas

JOE SHUMLAS
Maintenance Supervisor

JS:rf

RECEIVED
JAN 23 1984
DEPT. ENVIRONMENTAL PROTECTION
NEWARK OFFICE

ATTACHMENT J-1

CHEMISTRY
ENGINEERING
SERVICE

Power Chemicals, Inc.

SEVEN CHURCH STREET · PATERSON, NEW JERSEY 07505 · 201-278-0130

• BOILER WATER TREATMENT
GUARANTEED TO ELIMINATE SCALE AND CORROSION

• COOLING WATER TREATMENT
AIR CONDITIONERS AND COOLING TOWER CHEMICALS

• FUEL OIL TREATMENT
REMOVES SLUDGE, CONDITIONS OILS, IMPROVES COMBUSTION

January 9, 1984

General Plastics Corp.
55 LaFrance Avenue
Bloomfield, NJ 07003

Attn: Mr. Joseph Shumlas

Gentlemen:

Power Chemicals, Inc. supplies the following treatments for use in the Heating Boiler:

Liquid Boiler Water Treatment

Dry Boiler Water Treatment

Heavy Duty Scale Remover

These treatments are designed to precipitate the calcium and magnesium hardness of the water in the form of a carbonate-phosphate sludge. They do not contain chromium, zinc, copper or other heavy metals.

The boiler is operated about five months during the year. The blowdown from the boiler is about 5 gallons per day (or approximately 20 liters).

The Total Dissolved Solids in the blowdown water are about 2000 mg/l. This is equal to 40 grams (or 1.4 oz.) of dissolved solids in each daily blowdown. The blowdown water contains sodium carbonate and hydroxide, with lesser amounts of sodium phosphate, sulfite and chlorides and a trace of organic matter.

The sludge in the blowdown water consists of calcium and magnesium carbonates and calcium and magnesium phosphates.

It is evident from these figures that the total amount of chemicals in the boiler blowdown is very small.

If further information is required regarding our treatments, we shall be glad to furnish it.

Yours truly,

Lew Bowitch

Lew Bowitch
Sales & Service

LB/ag

ATTACHMENT 5-2

ATTACHMENT K

VEMINSLS-1 03/14/90 11:54:38

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
STACK LOG LISTING

PLANT ID	COUNTY	MUNICIPALITY	BUSINESS NAME	PLANT NAME	PLANT CONTAC
05174	ESS	LIVINGSTON	BERLISS BEARING COMPANY		BERNARD BROU

STACK	CERT	COND	STATUS	EXP. DAT	COMPANY DESIGNATION	LAST INS	BY
000			ZERO		MISCELLANEOUS INSPECTIONS		
001	069261		PERM	09/20/92	ROOF FAN #1 & #2 AND WALL FAN	07/31/87	629

PLANT ID	COUNTY	MUNICIPALITY	BUSINESS NAME	PLANT NAME	PLANT CONTAC
05176	ESS	E ORANGE	PROSPECT PARK APARTMENTS		ROBERT CASHI

STACK	CERT	COND	STATUS	EXP. DAT	COMPANY DESIGNATION	LAST INS	BY
000			ZERO		MISCELLANEOUS INSPECTIONS		
001	049772		PERM	05/10/91	BOILER STACK	03/26/86	300

PLANT ID	COUNTY	MUNICIPALITY	BUSINESS NAME	PLANT NAME	PLANT CONTAC
05177	ESS	BLOOMFIELD	GENERAL PLASTICS-DIVISION OF PMC INC.	GENERAL PLASTICS DIVISION OF PMC INC.	JOSEPH SHUMI

STACK	CERT	COND	STATUS	EXP. DAT	COMPANY DESIGNATION	LAST INS	BY
000			ZERO		MISCELLANEOUS INSPECTIONS		
001	024432		PERM	02/11/92	ETHYL ALCOHOL TANK	02/08/85	001
002	024504		PERM	02/11/92	METHYL ALCOHOL TANK	02/08/85	001
003	005468		PERM	07/01/92	WHEELABRATOR BLAST MACH.	02/08/85	001
004	005937		PERM	06/25/92	COAT DEPT-BINK SB FF67T	02/08/85	001
005	007660		PERM	03/20/93	COAT-UNIT F-72-124	02/08/85	001
006	012249		DELETE	02/19/89	AUTO.DEPT-CONVEYOR SP.UN	02/08/85	001
007	018641		PERM	03/04/91	TWIN TEFLON SPRAY LINE	02/08/85	001
008	018642		PERM	03/04/91	TWIN TEFLON SPRAY LINE	02/08/85	001
009	021727		PERM	03/04/91	500 GAL.KETTLE W/CONDENS	02/08/85	001
010	022197		PERM	04/23/91	AUTO.DEPT-CONVEYOR SP BO	02/08/85	001
011	022000		PERM	04/03/91	DEGREASER	02/08/85	001
012	060986		PERM	03/26/92	STORAGE TANK- ETHYL ALCOHOL	02/08/85	001

**** DENOTES UNDEFINED STATUS

ATTACHMENT E-1

LS-1 03/14/90
11:54:38

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
STACK LOG LISTING

COUNTY	MUNICIPALITY	BUSINESS NAME	PLANT NAME
ESS	BLOOMFIELD	GENERAL PLASTICS-DIVISION OF PMC INC.	GENERAL PLASTICS DIVISION OF PMC INC.

STACK	CERT	COND	STATUS	EXP. DAT	COMPANY DESIGNATION	LAST INS	BY
013	063641		PERM	03/14/93	STORAGE TANK- METHANOL/WATER MIX	02/08/85	001
014	089778		PERM	03/14/94	MAIN BOILER ROOM		

ESS NUTLEY — ATLANTIC INDUSTRIES INC.

STACK	CERT	COND	STATUS	EXP. DAT	COMPANY DESIGNATION	LAST INS	BY
000			ZERO		MISCELLANEOUS INSPECTIONS		
001	069860		PERM	10/15/94	TORIT DUST COLLECTOR	01/20/89	62
002	031706		PERM	08/11/92	BLDG19 PACKED TOWER	01/20/89	62
003	017103		EXPD	02/12/90	BLDG25 BOWEN LAB. DRYER	01/20/89	62
004	022224		PERM	07/02/91	DISPERSING TANKS BAG FILTER	01/20/89	62
005	017946		DELETE	01/06/80	BLDG18 ROTOCLONE(SIZE12)		
006	044579		PERM	02/19/91	SPRAY DRYER #1 WITH AAF4H38	01/20/89	62
007	019332		PERM	04/05/91	BLDG22-PACKED TCWER	01/20/89	62
008	022223		PERM	04/06/91	BLDG21 MANUAL DRUMMING	01/20/89	62
009	069954		PERM	10/05/91	DISPERSING TANK NO. 3	01/20/89	62
010	022291		DELETE	03/02/81	BLDGS11,18-ROTOCLONE(NO2	08/02/82	01
011	022298		DELETE	03/02/81	BLDGS11,15,16-AIR WASHER	08/02/82	01
012	023437		PERM	03/06/93	BLDG26-3 PACKED TOWERS	01/20/89	62
015	031839		DELETE	02/09/93	BLDG26-K56 CO2 VENT.	10/30/86	08
016	032652		PERM	07/06/92	BLDG15-NACL STORAGE TANK	01/20/89	62
017	032653		PERM	11/09/92	NEARBLDG19-SALTSTORAGETK	01/20/89	62
019	042984		PERM	01/28/91	BLDGS23,24SCRUBBERFILTER	01/20/89	62
020	038268		PERM	05/07/93	SCRUBBER BETWEEN BLDGS.11 & 16	01/20/89	62
021	038269		PERM	05/07/93	SCRUBBER BETWEEN BLDGS.11 & 16	01/20/89	62
022	038270		PERM	05/07/93	BLDG15 PACKED TOWER	08/24/89	63
023	038271		PERM	05/07/93	PTOWERBLDG15SERVG BLDG11	08/24/89	63
024	044144		PERM	01/28/91	BLG#28 SPRAY DRYER#2	01/20/89	62
025	044145		PERM	01/28/91	BLG#28 SPRAY DRYER#3	01/20/89	62
026	066808		PERM	12/20/94	BLDG. 23 TRAY DRYER	01/20/89	62
027	079115		PERM	10/13/92	SODIUM ACETATE SOLUTION STOR TNK	01/20/89	62
028	093427	X	TEMP	04/04/90	HYDROCHLORIC ACID SCRUBBER		

ESS BLOOMFIELD — BLOOMFIELD, TOWN OF, BOARD OF EDUCATION NORTH JUNIOR HIGH SCHOOL

STACK	CERT	COND	STATUS	EXP. DAT	COMPANY DESIGNATION	LAST INS	BY
000			ZERO		MISCELLANEOUS INSPECTIONS		

DENOTES UNDEFINED STATUS

ATTACHMENT K-2

ATTACHMENT L

COMPANY NAME GENERAL PLASTICS CORPORATION PLANT I.D.# 05177

LEGAL ACTION LOG

A DATE	B SUBCHAPTER SECTION PARAGRAPH	C ACTION TAKEN	D LOG #	E PENALTY DATE PAID	F COMPLIANCE DATE
1-25-72	8.3 (a)(b)	ORDER	6563	—	3-27-72
3-14-78	9.2 (a)	ORDER RESCINDED 3-30-78	14027	—	3-29-78
2-7-89	8.3(a)(b)	ORDER	4890512	400 6-2-89	6-30-89 3-7-89
2-7-89	3.2(a)	ORDER	4890511	200 6-2-89	IMMED.

ATTACHMENT L

ATTACHMENT M

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
METRO BUREAU OF REGIONAL ENFORCEMENT
2 BABCOCK PLACE
WEST ORANGE, NEW JERSEY 07052

JOHN W. GASTON JR., P.E.
DIRECTOR

DIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

April 3, 1986

Mr. Efim Stein, President
General Plastics Company
55 LaFrance Avenue
Bloomfield, NJ 07003

Re: Compliance Evaluation Inspection
General Plastics Company
NJPDES No. NJ 0029173
Bloomfield/Essex County

Dear Mr. Stein:

A Compliance Evaluation Inspection of your facility was conducted by a representative of this Division on January 7, 1986. A copy of the completed inspection report form is enclosed for your information.

Your facility received a rating of "CONDITIONALLY ACCEPTABLE" due to the following deficiencies:

1) Improvement is needed in general housekeeping throughout the site.

2) Numerous drums are improperly labeled, sealed, and stored on the property.

Since the deficiencies cited are presently, or could, in the future, adversely affect effluent quality, you are requested to institute measures to correct the deficiencies. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, should be submitted to this Department and USEPA, Permits Administration Branch within thirty (30) calendar days of the date of this correspondence.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
P.O. Box 2809 Trenton, N.J. 08625

DISCHARGE SURVEILLANCE REPORT

PERMIT #: NJ0029173 NO. OF DISCHARGES: 001 CLASS: MIN/INO

DISCHARGER: GENERAL PLASTICS COMPANY

OWNER: PLASTICS MANAGEMENT

MUNIC: BLOOMFIELD COUNTY: ESSEX WATERSHED CODE: P

LOCATION: 55 LAFRANCE AVENUE

RECEIVING WATERS: PASSAIC RIVER STREAM CLASS: TW-2

LIC. OPERATOR & PLANT CLASS: JOSEPH SHUMLAS

TRAINEE/ASST: PLANT ENGINEER OTHER INFO: 201-748-5500

MAJOR DEFICIENCIES NOTED: IMPROVEMENT IS NEEDED IN GENERAL HOUSEKEEPING THROUGHOUT THE SITE. NUMEROUS DRUMS ARE IMPROPERLY LABELED, SEALED AND STORED THROUGHOUT THE SITE. CONDENSATE FROM THE BOILER DISCHARGES TO THE SURFACE WATERS OF THE STATE.

OVERALL RATING: [ ] Acceptable [X] Conditionally Acceptable [ ] Unacceptable

EVALUATOR: MICHAEL J. PIERDINOCK TITLE: ENVIRONMENTAL COMPLIANCE INVESTIGATOR III

INFORMATION FURNISHED BY: (name) EFIM STEIN

(title) PRESIDENT (organization) GENERAL PLASTICS

DATE OF INSPECTION: JANUARY 7, 1986

ATTACHMENT M-2

Form DWR-053-A
4/78

N.J.D.E.P.
D.W.R.
DISCHARGE SURVEILLANCE REPORT

Permit #: NJ0029173
Date: 1/7/86

INDUSTRIAL TREATMENT PROCESS EVALUATION

RATING CODES: S = Satisfactory M = Marginal U = Unsatisfactory NA = Not Applicable

		RATING	COMMENTS
GENERAL	DISCHARGE # 001	---	
	WASTEWATER SOURCE(S)	---	NON CONTACT COOLING WATER ⇒ CONDENSORS
	CONTINUITY OF OPERATION	---	
	BYPASSES/OVERFLOWS	NA	
	S.P.C.C. PLAN	NA	
	ALARM SYSTEMS	NA	
	ALTERNATE POWER SUPPLY	NA	
TREATMENT PROCESSES		NA	
SLUDGE HANDLING	±20 DRUMS (55 GALLON) OF NYLON OR ALCOHOL	U	IMPROPERLY LABELED, SEALED AND STORED.
		NA	
	DISPOSAL SITE	NA	
INFORMATION	FLOW METER & RECORDER	S	CITY WATER, METERED
	RECORDS	S	
	SAMPLING PROCEDURES	S	PERSONNEL
	ANALYSES PERFORMED BY	S	ENVIRONMENTAL TESTING LABORATORIES INC. LANOKA HARBOR, N.J. 08734
OTHER	APPLY TEFLON AND NYLON COATINGS TO METAL PARTS		
	OIL SPILLAGE AROUND THE 20,000 GALLON UNDERGROUND FUEL OIL TANK.		
	FINAL EFFLUENT APPEARENCE		
	REC. WATERS APPEARENCE		

ATTACHMENT M-3

Form DWR-053
3/81

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029, Trenton, N.J. 08625

DISCHARGE SURVEILLANCE REPORT

Permit # NJ0029173
Date 1/7/86

PLANT DIAGRAM AND FLOW SEQUENCE:

CITY WATER → NON CONTACT COOLING WATER FOR CONDENSORS IN NYLON DISPERSION OPERATION → 001

DISCHARGE DATA

SOURCE: 001 PERIOD: GRAB

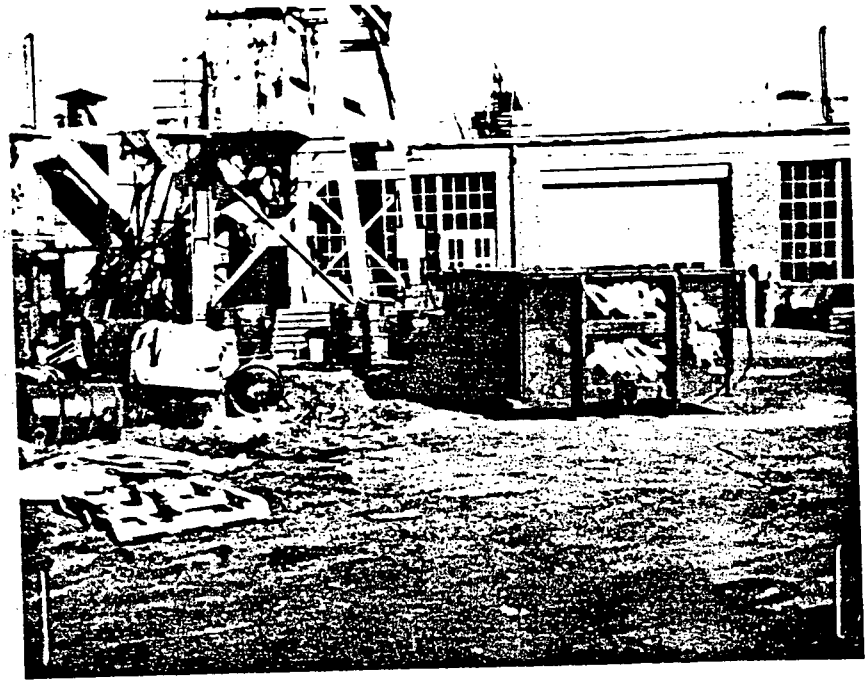
DIS	PARA	SAMPLE TYPE	PERMIT LIMITS	DATA	DIS	PARA	SAMPLE TYPE	PERMIT LIMITS	DATA
001	TEMP	GRAB	30°C	—	001	Cu	GRAB	1.0 mg/l	.011 mg/l
"	pH	"	6.0-9.0	—					
"	TSS	"	—	3.0 mg/l					
"	PETRO. HYDRO.	"	10 mg/l	<1 mg/l					
"	COD	"	50 mg/l	<5 mg/l					
"	Cr.	"	0.5 mg/l	.005 mg/l					
"	Zn	"	1.0 mg/l	.011 mg/l					

MONITORING DEFICIENCIES: NONE

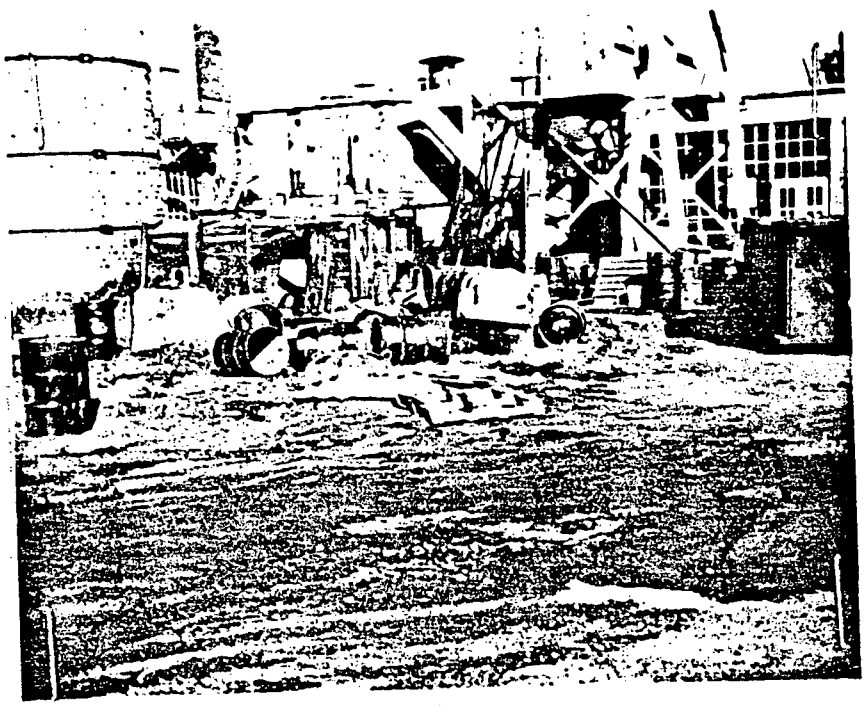
ATTACHMENT M-4

55 LA FRANCE AVENUE
BLOOMFIELD, N.J.

NJ0029173



DRUMS IMPROPERLY SEALED LABELED AND STORED.



ATTACHMENT M-5

GENERAL PLASTICS COMPANY
55 LAFRANCE AVENUE
BLOOMFIELD N.J.

NJ0029173

SPILLAGE OF OIL FROM UNDERGROUND FUEL OIL TANK

POINT OF BOILER DISCHARGE, NEAR DRUMS.

ATTACHMENT M-6

GENERAL PLASTICS CORPORATION
55 LA FRANCE AVENUE BLOOMFIELD, NEW JERSEY 07003
TEL. (201) 748-5500 TWX 710-994-4754

Alpril 24, 1986

Mr. J. Pierdinock, Compliance Investigator
Department of Environmental Protection
Division of Water Resources
2 Babcock Place
West Orange, New Jersey 07052

Subject: Compliance evaluation inspection
General Plastics Company
NJPDES No. NJ 0029173

Dear Mr. Pierdinock:

In reference to your letter dated April 3, 1986 please be advised that the following conditions have been corrected.

1. All drums have been and will continue to be labeled as to type of nylon solution contained.

2. Condensate from boiler: Pipe has been removed and plugged to eliminate any possibility of condensate to be discharged onto ground.

3. Empty drums from nylon dispersion have been properly disposed of.

We are certain that all conditions will be found satisfactory. Thank you.

Very truly yours,

GENERAL PLASTICS COPRORATION

Joseph Shumlas
Plant Engineer

JS:mcm

RECEIVED
APR 28 1986
DEPT. ENVIRONMENTAL PROTECTION
NEWARK OFFICE

ATTACHMENT M-7

ATTACHMENT N

file

Let's protect our earth

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
METRO BUREAU OF REGIONAL ENFORCEMENT
2 BABCOCK PLACE
WEST ORANGE, NEW JERSEY 07052

GEORGE G. McCANN, P.E.
DIRECTOR

DIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

January 9, 1987

Mr. Efim Stein, President
General Plastics Company
55 LaFrance Avenue
Bloomfield, NJ 07003

Re: Compliance Evaluation Inspection
General Plastics Company
NJPDES No. NJ 0029173
Bloomfield/Essex County

Dear Mr. Stein:

A Compliance Evaluation Inspection of your facility was conducted by a representative of this Division on November 25, 1986.

Your facility received a rating of "ACCEPTABLE". A copy of the completed inspection report form is enclosed for your information. Please address any minor deficiencies noted therein.

This Division anticipates your continued cooperation in assisting us in the prevention and control of water pollution in New Jersey.

Very truly yours,

for Richard G. Perusse
Environmental Compliance
Investigator
Metro Bureau of
Regional Enforcement

E10:G25

cc: Dr. Richard A. Baker, USEPA
Mr. Paul Molinari, USEPA
Mr. Richard Proctor, H.O.

Enclosure

New Jersey Is An Equal Opportunity Employer

ATTACHMENT N-1

Form DWR-053
3/81

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029, Trenton, N.J. 08625

DISCHARGE SURVEILLANCE REPORT

PERMIT # NJ0029173 NO. OF DISCHARGES 001 CLASS MIN/(NI)

DISCHARGER GENERAL PLASTICS COMPANY

OWNER PLASTICS MANAGEMENT CORPORATION

MUNICIPALITY BLOOMFIELD COUNTY ESSEX WATERSHED CODE P

LOCATION 55 LAFRANCE AVENUE

RECEIVING WATERS PASSAIC RIVER STREAM CLASS TW-2

~~LICENSED OPERATOR~~ & ~~PLANT CLASS~~ MR. EFIM STEIN

~~TRAINEE/ASSISTANT~~ PRESIDENT OTHER INFO. (201) 748-5500

DEFICIENCIES OR COMMENTS

GENERAL HOUSEKEEPING IN NEED OF IMPROVEMENT.

OVERALL RATING ☒ Acceptable ☐ Conditionally Acceptable ☐ Unacceptable

EVALUATOR RICHARD PERUSSE MAUREEN COPTES TITLE ENVIRONMENTAL COMPLIANCE INVESTIGATOR ENVIRONMENTAL SPECIALIST

INFORMATION FURNISHED BY (Name) MR. DAVID FERNEE

(Title) CHEMICAL ENGINEER (Organization) GENERAL PLASTICS

DATE OF INSPECTION NOVEMBER 25, 1986

ATTACHMENT N-2

Form DWR-053-A
4/78

N.J.D.E.P.
D.W.R.
DISCHARGE SURVEILLANCE REPORT

Permit #: NJ0039173
Date: NOVEMBER 25, 1980

GENERAL PLASTICS INC.

INDUSTRIAL TREATMENT PROCESS EVALUATION

RATING CODES: S = Satisfactory M = Marginal U = Unsatisfactory NA = Not Applicable

		RATING	COMMENTS
GENERAL	DISCHARGE # 001	---	
	WASTEWATER SOURCE(S)	---	NON CONTACT COOLING WATER → ONE CONDENSOR
	CONTINUITY OF OPERATION	---	8 HOURS/DAY, 5 DAYS/WEEK
	BYPASSES/OVERFLOWS	NA	
	S.P.C.C. PLAN	NA	ONE 20,000 GALLON UNDERGROUND FUEL OIL TANK
	ALARM SYSTEMS	NA	
	ALTERNATE POWER SUPPLY	NA	
TREATMENT PROCESSES	NONE		
SLUDGE HANDLING	DISPOSAL SITE	NA	
INFORMATION	FLOW METER & RECORDER	S	CITY WATER METERED
	RECORDS	S	DWR'S PERMIT
	SAMPLING PROCEDURES	NI	DAVID FERNEE
	ANALYSES PERFORMED BY	S	UNITED STATES TESTING EAST BRUNSWICK CERT # 09370
OTHER	APPLY TEFLON AND NYLON COATINGS TO METAL PARTS		
	FINAL EFFLUENT APPEARENCE	S	
	REC. WATERS APPEARENCE	NI	

ATTACHMENT D-3

N.J.D.E.P.
D.W.R.
DISCHARGE SURVEILLANCE REPORT

Permit #: NJ0029173
Date: NOVEMBER 25, 1986

GENERAL PLASTICS INC.

PLANT DIAGRAM AND FLOW SEQUENCE:

CITY WATER → NON CONTACT COOLING WATER FOR ONE CONDENSER → 001

NO SAMPLES TAKEN ---- RESULTS FROM 11/1/85 - 4/30/86 DMR

SAMPLING PERIOD: ——— COMPOSITE INTERVAL: ———

DISCHG	PARA	SAMPLE TYPE	PERMIT LIMITS	SAMPLE RESULT	DISCHG	PARA	SAMPLE TYPE	PERMIT LIMITS	SAMPLE RESULT
001	T°	GRAB	30°	20.5°					
	COD		50	0					
	pH		6.0 — 9.0	7.4					
	TSS		—	2					
	PETRO HYDRO		10	0					
	FLOW		—	10,800 - * 12,600					

*GPD

ATTACHMENT D-4

ATTACHMENT O

Let's protect our earth

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
METRO BUREAU OF REGIONAL ENFORCEMENT
2 BABCOCK PLACE
WEST ORANGE, NEW JERSEY 07052

GEORGE G. McCANN, P.E.
DIRECTOR

DIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

December 3, 1987

Mr. Jim Keeler, Plant Manager
General Plastics Company
55 LaFrance Avenue
Bloomfield, NJ 07003

Re: The New Jersey Pollutant Discharge Elimination System
General Plastics Incorporated/NJPDES No. NJ 0029173
Bloomfield/Essex County

Dear Mr. Keeler:

On November 10, 1987, a representative of the Division of Water Resources (DWR) conducted a Compliance Evaluation Inspection at the General Plastics Company facility in Bloomfield, New Jersey. A copy of the inspection report is enclosed for your information.

The inspection revealed that the NJPDES permitted discharge for your facility has been rerouted to the local sanitary sewer. If it is your intention to permanently eliminate this discharge, the forms to file for an Affidavit of Exemption from the requirements of your NJPDES permit can be obtained from DWR by contacting Mr. George Caporale, Chief, Bureau of Permits Administration at (609) 984-4428. Please be advised that all requirements of the existing permit remain in effect pending your submission of a completed Affidavit of Exemption.

If you have any questions, please contact this office at (201) 669-3900.

Very truly yours,

Richard White
Environmental Compliance
Investigator
Metro Bureau of Regional
Enforcement

New Jersey Is An Equal Opportunity Employer

ATTACHMENT 2

ATTACHMENT P

TRENTON DISPATCH

TD LOG# 6941

L PROTECTION
IONS AND SUPPORT SERVICES

ATION REPORT

CASE NO. 87 - 10 - 12 - 12:08
(Yr) (Mo) (Day) (Time)

87-10-14-04M

REVIEWED BY

General Plastic
#4 fuel oil.
55 Lafrance ave
Bloomfield
Don Taylor HO
A Lobrutto
743-4400.

Name
Street
City
Phone 201-748-0500
State
Affiliation/Title BLOOMFIELD POLICE DEPT. OPERATOR

INCIDENT LOCATION: ___ Transportation XXX Facility ___ Other
Name (Site): GENERAL PLASTICS Phone 748-5500
Street 55 La FRANCE AVE.
City BLOOMFIELD County ESSEX State N.J. Zip Code

Date of Incident: 10 (Mo) - 10 (Day) - 87 Time: UNKNOWN

IDENTITY OF SUBSTANCE(S) SPILLED, RELEASED, ETC.: ___ Known XX Suspected ___ Unknown
Name of Substance(s) [Gas, Liquid, Solid]: STRONG FUEL ODORS
CAS Number:
Amount Released/Spilled UNKNOWN ___ Actual ___ Potential ___ Estimated
Substance Contained (Y/N/U)
Type of Release/Spill: ___ Terminated XXX Continuous ___ Intermittent

Hazardous Material (Y/N) UNK.

NATURE OF INCIDENT: ___ Complaint XXX Munic. Notification ___ Emergency ___ Sub. 20

INCIDENT DESCRIPTION:
___ Fire ___ Explosion ___ Air Rel ___ Spill ___ MVA ___ Derailment ___ Smoke/Dust
XXX Odors ___ Sewage ___ NJPDES ___ Noise ___ Illegal Dumping ___ Wildlife
___ Equip Start-up/Shutdown, Equip Fail/Upset, etc.
___ Other (specify)

Injuries (Y/N/U)
Facility Evacuation (Y/N/U)
Contamination of XX Air ___ Land ___ Water
Potable Water Source (Y/N/U)
Receiving Water
Location Type: ___ Residential XX Industrial ___ Rural ___ Sensitive Population (Hosp.,School,Nurs. Home)

Public Exposure (Y/N/U)
Police at Scene (Y/N/U)
Assistance Requested (Y/N/U)
Wind Direction/Speed /
Precipitation (rain/snow)

STATUS AT INCIDENT SCENE CALLER STATED WORKERS DISCOVERED ODORS ON SATURDAY VERY FAINT. TODAY ODORS ARE VERY STRONG AND WORKERS ARE THREATENING TO WALK OFF JOB. FIRE DEPT. WAS ON SCENE AND LEFT. ODORS ARE COMING FROM STORM SEWER.

RESPONSIBLE PARTY: ___ Known ___ Suspected XXX Unknown
Company Name Phone
Contact Title
Street
City County State Zip Code

OFFICIALS NOTIFIED (Name/Title):
NJSP: TPR. MISHAK / NJSP OEM Phone 882-2000 Date/Time 10-12-87 / 12:39 (T/M)
Local Health / Phone Date/Time / (T/M)
Local Munic: / Phone Date/Time / (T/M)
USEPA: / Phone Date/Time / (T/M)

INCIDENT REFERRED TO:
___ DEQ ___ DWR ___ DSWM ___ DHSM ___ DHWM ___ DOH ___ DFG ___ DPF ___ DCJ ___ DCR
Region: ___ Northern ___ Metro ___ Central ___ Southern XXX ER1 ___ ER2
1. Name/Affil CHRIS DWYER / ER-1 Phone HOME Date/Time 10-12-87 / 12:36 (T/M)
2. Name/Affil / Phone Date/Time / (T/M)
3. Name/Affil / Phone Date/Time / (T/M)

IMMEDIATE DEP RESPONSE (Y/N) [Emergency (Y/N) Enforcement (Y/N)]

COMMENTS 12:30 T.D. CONTACTED LOCAL FIRE DEPT. AND SPOKE WITH CAPT. KILEY WHO STATED ODORS ARE OF A KEROSENE BASE , HE ALSO STATED LOCAL HEALTH DEPT. IS ENROUTE TO SCENE.

COPIES: White - Lead Agency Yellow - Comm. Center Pink - A310 Goldenrod - Other

ATTACHMENT P

ATTACHMENT Q

07-02-10

New Jersey Department of Environmental Protection
Division of Environmental Quality
Bureau of Emergency Response
Region I

INVESTIGATION

Case #: 87-10-12-1208 File #: 07-02

Investigators: Alan Latyn Date: 10/12/87 Time Arrived: 1430
Time Departed: 1545

Location: General Plastics
Address: 55 La France Avenue
Bloomfield, N.J.
Location Phone #: 201-748-5500

Health Dept. Rep: Dan Taylor Phone #: 201-743-4400

Origin of Complaint: Operator 5/ Bloomfield PD Phone #: 201-748-0500
Nature of Complaint: Strong kerosene base smell in sewer.

Findings: 1430 - Arrived on site. Met with Jim Keeler-Plant Manager. Keeler reported that an underground fuel line was found to be leaking #4 fuel oil. The oil migrated into the storm sewer causing odor problems inside the plant. Latyn accompanied Keeler to the sand blasting room, where the odors were first noticed. A faint odor of fuel could be detected. The manhole cover in the room was removed and a slight trace of oil was observed. Keeler reported that more oil was in the sewer earlier that day, but the amount decreased since shutting down the fuel tank at 1130.

1445 - Latyn called Gary Allen with an update. Keeler reported the tank contained 16,183 gallons of oil on 9/31/87. The quantity of the tank on 10/12/87 was 14,601 gallons. He also said the boiler was on for at least 20 hours between those two dates, indicating that most of the oil was burned. The outside oil tank and surrounding areas were inspected. A strong odor of fuel was detected in a storm drain near the tank. Keeler said that he will have the line repaired and soil cleaned up the following day. Dan Taylor-Bloomfield Health Department, arrived on site. Taylor spoke with Steve Cappola-Bloomfield Engineering Department about the flow of the storm sewer. Cappola stated that he was sure the sewer line flowed into the sanitary sewer. Taylor said that he would contact the Bloomfield Sewer Department to make an exact determination. He also agreed to follow up on the fuel line repair work and clean up.

1545 - Latyn secured site.

Conclusion: A fuel line was found to be leaking #4 fuel oil. The fuel oil migrated into the storm sewer causing odor problems inside the plant. The fuel line has been shut down. The company will repair the line and have a contractor do the clean up.

Recommendation: This case should be referred to the DHWM Metro office.

ATTACHMENT Q.

ATTACHMENT R

GENERAL PLASTICS CORPORATION
55 LA FRANCE AVENUE, BLOOMFIELD, NEW JERSEY 07003
EASLINK: 62897806 TEL: (201) 748-5500 TWX: 5106001622

December 30, 1987

Department of Environmental Protection
Division of Environmental Quality
2 Babcock Place
West Orange, NJ 07052

RECEIVED
DEC 31 1987

Attn: Ed Phillips

Dear Mr. Phillips:

Enclosed you will find lab reports in reference to our 20,000 gallon #4 Fuel Oil Tank which leaked and was extracted. If any follow up is required please contact me at 748-5500.

Sincerely,

Jim Keeler

JK/dmc

Encl.

ATTACHMENT R-1

December 23, 1987

Report For: General Plastics, Bloomfield, NJ

Prepared By: Gary Bedrosian

On December 14, 15, and 16 a 20,000 gallon #4 Fuel Oil Tank Excavation Project was conducted at General Plastics, Bloomfield, NJ. The tank had previously passed a Petro-Tite Leak Test (see attachment 1) and had also been emptied and steam cleaned.

I arrived on site on December 14 at 1:00 P.M. Temperature was approximately 40 degrees. A crew from FTMS Contracting Company was on site. The crew had already begun removal of the tank, and excavated material was being removed by a small backhoe and piled adjacent to the excavation area. The material was comprised of rock and soil, and there was no evidence of oil saturation.

I spoke with Jim Keeler, General Plastics. FTMS has contracted to have a 30 ton crane on site that evening, which would remove the tank. I decided to leave the site and return 12/15 to conduct the soil sampling.

I returned on December 15, a light rain was falling at the site, I was informed that because of the problems with several concrete footings on site, the crane was unable to remove the tank. Personnel were cutting the tank with blow torches and removing it section by section. The work continued until approximately 7 P.M.. All but one section of the tank was removed. Soil samples were taken from locations around the tank (see Attachment II). Rain and groundwater had begun to accumulate inside the excavation area. A rainbow sheen and small amount of a black liquid was observed floating on this water. Sorbent pads were applied, and this material removed and placed in 2-55 gallon drums. This area was filled with the excavated soil.

The crew continued to attempt to remove the last section of the tank on 12/16. However, problems with concrete footings made it impossible to remove this last section with the backhoe currently being used. It was determined they would return with a larger backhoe on 12/18 to remove the remaining section.

I returned to the site on 12/22/87. The remaining section of the tank had been excavated, and the area backfilled.

ATTACHMENT R-2

Sampling Method and Procedures

Soil samples were obtained from five areas under the tank (see Attachment II). These samples were first placed in 950 ml clear sample bottles, then transferred to 40-ml vials. Five (5) sample vials were filled for each sample location, and denoted GEB 147, GEB 148, GEB 149, GEB 151, GEB 152. The samples were stored in a styrofoam chest and remained cooled, locked in the sampler's vehicle before transport to the laboratory.

Sample Results

Sample Number	Results (pp~~b~~M)
1--GEB 147	130
2--GEB 148	34
3--GEB 149	95
4--GEB 151	80
5--GEB 152	80

Discussion

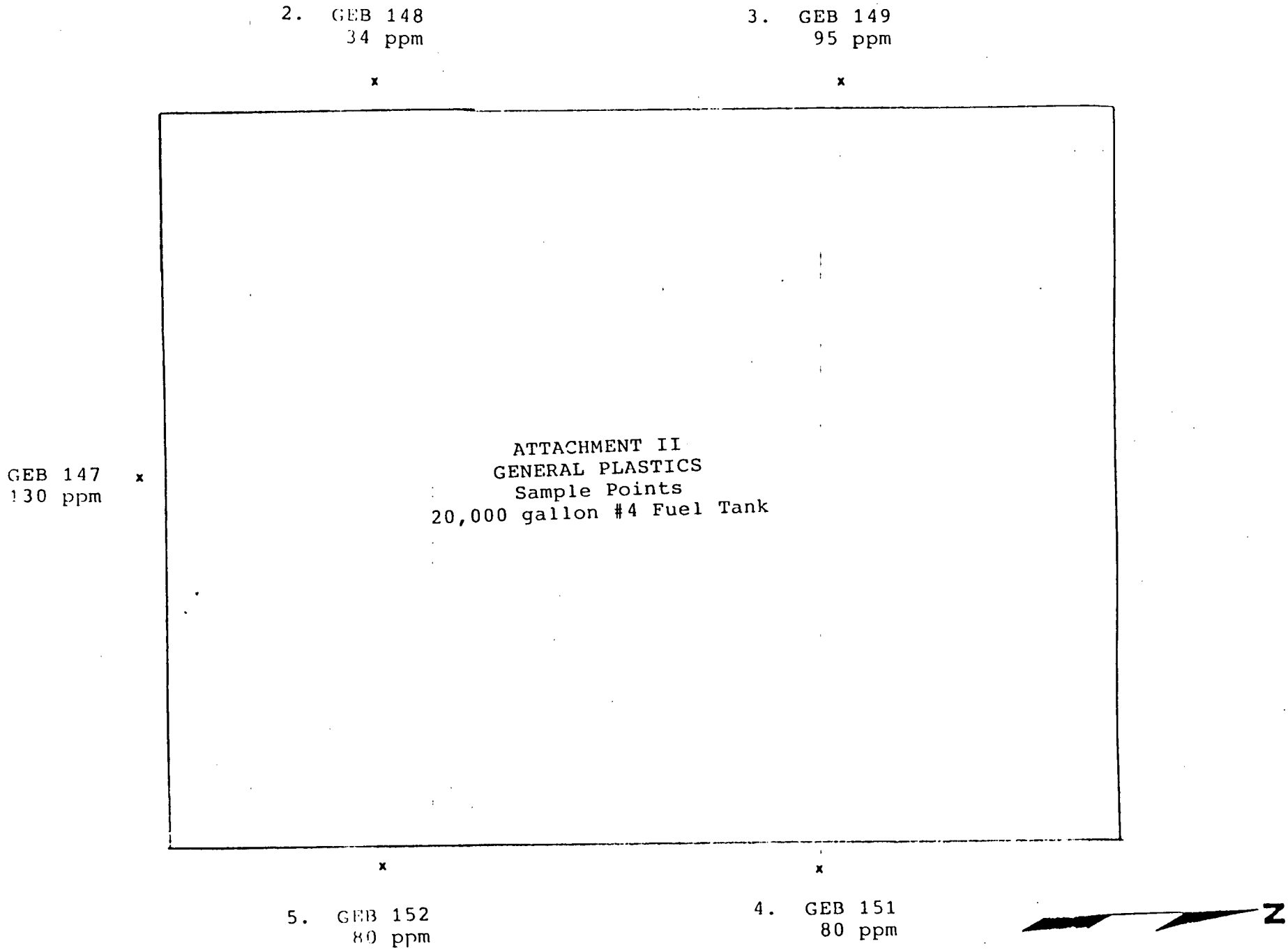
Laboratory results were generally below the 100 ppm level. Conversations with plant employees indicated the plant did not experience a loss of material from the tank or infiltration of water into the tank. These are indications the tank did not suffer significant structural damage. Visual inspections of the tank confirmed this. Also, inspections of the excavated soil did not reveal areas of soil saturation.

Recommendations

No further remedial work be performed.

ATTACHMENT R-3

ATTACHMENT 24



ATTACHMENT S

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
John J. Trela, Ph.D., Acting Director
2 Babcock Place
West Orange, N.J. 07052
201 - 669 - 3960

January 25, 1988

Mr. Jim Keeler
General Plastics Corporation
55 LaFrance Avenue
Bloomfield, N.J. 07003

Dear Mr. Keeler:

Be advised that I have reviewed all the information forwarded to this office concerning the tank removal operation at your company.

Based upon this information, it is necessary to conduct an investigation for groundwater contamination. This conclusion is based upon the following:

1. Groundwater was encountered during the removal of the tank.
2. The water was observed to have a rainbow sheen on the surface. Additionally, a noticeable amount of black liquid (oil) was observed.
3. The excavation was backfilled with the contaminated soil.

You or your environmental consultant may contact me to discuss the details of this investigation.

As always, I can be reached at 201-699-3960.

Sincerely,

Edward Phillips

Edward Phillips
Environmental Specialist

New Jersey is an Equal Opportunity Employer

ATTACHMENT S

ATTACHMENT T

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
Trenton, N.J. 08625-0029
Fax # (609) 984-7938

George G. McCann, P.E.
Director

FEB 27 1989

General Plastics Corporation
55 La France Avenue
Bloomfield, NJ 07003
c/o Jim Keeler

CERTIFIED
RETURN RECEIPT REQUESTED

Re: Discharge from Underground Storage Tank System
General Plastics Corporation, 55 La France Avenue
Bloomfield Town, Essex County
Case #87-10-14-0400

Dear Mr. Keeler:

On July 1, 1988, the responsibility within the New Jersey Department of Environmental Protection (the Department) for the above listed case was transferred from the Division of Hazardous Waste Management, Hazardous Waste Enforcement to the Division of Water Resources, Bureau of Underground Storage Tanks. Accordingly, please address all correspondence concerning the status of this case to the above address. Please use the noted case number on all documentation.

On October 14, 1987 the Department received notification of a discharge of hazardous substances from your facility. Our files indicate the following steps were taken regarding site assessment and the initiation of corrective action for your facility.

One 20,000 gallon underground fuel oil storage tank was removed and soil samples were taken.

Enclosed is a Scope of Work prepared by the Bureau of Underground Storage Tanks which outlines acceptable procedures for the investigation and initiation of corrective action for a facility which has discharged hazardous substances. These procedures are intended to be implemented by a hydrogeologic consultant who meets the technical qualifications of the Department. The hydrogeologic consultant must have sufficient professional training and experience to conduct a satisfactory investigation and cleanup as outlined in the Scope of Work. Since the

Department does not license or certify such consultants, it is recommended that you research the qualifications of any consultant prior to retaining their services. Examples of acceptable qualifications include licenses from other states or professional certificates from national trade associations. This certification must be submitted along with the Discharge Investigation and Corrective Action Report described later in this letter.

Your work on site has covered a number of the procedures outlined in the Scope of Work, however, in order to complete all requirements, the following topics must be addressed:

1. Submit a detailed site and area-wide plan (Scope of Work, Section IV A).

2. Remove or remediate any contaminated soil found on site (Scope of Work, Section IV B).

3. Determine the source of discharge and the horizontal and vertical extent of groundwater contamination (Scope of Work, Section IV C).

4. If detected, free product recovery must be initiated (Scope of Work, Section IV D).

A written report must be submitted to this Bureau at the above address, within 90 days of the date of this letter, specifying all activities conducted in compliance with the requirements listed in this letter. In addition, a schedule with target dates for the implementation of those activities remaining to be completed to comply with all requirements must be submitted at the same time. Upon review of the written report, the Department will notify you of any further requirements.

It is possible that due to the case transfer, our files are incomplete at this time. If further work has been done on site which would fulfill the requirements discussed within the Scope of Work, please forward us the appropriate information.

Failure to comply with the Scope of Work requirements listed in this letter may result in the assessment of penalties as provided for by law. Any discharge of hazardous substances not in compliance with a valid permit is in violation of the Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11 et seq., and the Underground Storage of Hazardous Substances Act, N.J.S.A. 58:10A-21 et seq.. Violators are liable for penalties of up to $50,000 per day for each day of continuing violation.

ATTACHMENT I-2

If you have any questions, please contact either Stephen Tatar or any available member of my staff, at (609) 984-3156.

Very truly yours,

Joseph A. Miller

Joseph A. Miller
Acting Section Chief
Program Assistance Section
Bureau of Underground Storage Tanks

cc: Bloomfield Health Deptment
Attachments: Scope of Work

ATTACHMENT I-3

INFORMATION SHEET FOR BACKLOG LETTER

1. Name and Address:

GENERAL PLASTICS CORPORATION
55 LA FRANCE AVENUE
BLOOMFIELD, NJ 07003
C/O JIM KEELER

2. Site Name, Location and Case Number:

GENERAL PLASTICS CORPORATION, 55 LAFRANCE AVENUE, BLOOMFIELD TOWN, ESSEX COUNTY, CASE# 87-10-14-0400

3. Salutation: MR. KEELER

4. Date of discharge notification: OCT 14 1987

5. Recieved notification of / confirmed * Circle one *

6. List/summary of work documented:

ONE 20000 GALLON UNDERGROUND FUEL OIL STORAGE TANK WAS REMOVED AND SOIL SAMPLES WERE TAKEN

7. List of work to be done:

1) SUBMIT A DETAILED SITE AND AREA-WIDE PLAN (SCOPE OF WORK SECTION IV
2) REMOVE OR REMEDIATE ANY CONTAMINATED SOIL FOUND ON SITE (SOW, SEC.
3) DETERMINE SOURCE OF DISCHARGE AND DIRECTION OF GROUNDWATER FLOW, (SOW SEC IV C) 4) IF DETECTED, FREE PRODUCT RECOVERY MUST BE INITIATED. (SOW, SEC IV D)

8. Number of days: 60

9. Is registration paragraph necessary? Yes / No

10. Case Manager: STEPHEN TATAR

11. Carbon copies to be sent to:

ATTACHMENT I-4

ATTACHMENT U

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
Trenton, N.J. 08625-0029

Jorge H. Berkowitz, Ph.D.
Acting Director

(609) 292-1637
Fax # (609) 984-7938

Mr. Thomas Laned, Plant Manager
General Plastics Corp.
55 LaFrance Avenue
Bloomfield, New Jersey 07003

JUN 7 1989

Dear Mr. Laned:

Re: NJPDES No. NJ0029173
General Plastics Corp.
Bloomfield, Essex County
Termination of Permit

General Plastics Corporation submitted an Affidavit of Exemption, dated December 17, 1987, to the Department of Environmental Protection (Department), Wastewater Facilities Management Element, regarding the termination of the NJPDES discharge to surface water permit. The Bureau of Industrial Discharge Permits (BIDP) is currently in the process of reviewing the affidavit. However, the following information is necessary in order to process this termination. A copy of the approval from the local sewerage authority to which General Plastics Corporation is now discharging should be submitted to this writer at the above address. This information shall be submitted within 15 working days of the date of this letter.

If you have any questions feel free to contact me. I can be reached at (609)292-4860.

Sincerely,

Christine Lomack

Christine Lomack
Bureau of Industrial
Discharge Permits

c: Metro Bureau of
Regional Enforcement

Date 06/06/89

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Recycled Paper

ATTACHMENT U

ATTACHMENT V

GENERAL PLASTICS CORPORATION
55 LA FRANCE AVENUE, BLOOMFIELD, NEW JERSEY 07003
EASLINK: 62897806 TEL: (201) 748-5500 TWX: 5106001622

July 11, 1989

Joseph A. Miller, Acting Section Chief
New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN 029
Trenton, N.J. 08625-0029

Re: General Plastics Corp
Case #87-10-14-0400

Dear Mr. Miller,

In response to your letter dated February 27, 1989, General Plastics is submitting the attached report on "Proposed Future Actions" for the former underground storage tank area. In addition, our consultant has prepared a "Soils Investigation Summary Report" describing all monitoring performed on the site to date. A copy of this report, along with the technical qualifications of the Hydrogeologist, are also enclosed for your review.

Please direct any questions regarding this submittal to Betty Lou Stirrat of my staff at (201)262-7149.

Respectfully,

Michael E Fessler

Michael E. Fessler
Director, Environmental Affairs

cc: Bob Scher
Bharat Patel

RECEIVED
JUL 14 4 31 PM '89

ATTACHMENT V-1

GENERAL PLASTICS UNDERGROUND STORAGE TANK: PROPOSED FUTURE ACTIONS

History

Before describing General Plastics (GP) proposal for future actions on the underground storage tank area, it appears that a number of historical events need to be clarified. In order to facilitate this review, events are analyzed in chronological order.

December 14-22, 1987: General Plastics had the 20,000 gallon underground storage tank removed. The tank was emptied and cleaned prior to the excavation. Due to the concrete footing of a nearby above-ground storage tank, the contractor was unable to remove the underground storage tank in one piece and was forced to cut it into sections using a blow torch. To further complicate the situation, it rained the entire time of the excavation. Based of the following observations and analytical results, the project manager decided no further remediation actions were required.

1) Stockpiled soils showed no signs of contamination.

2) Analytical results for samples taken within the tank area did not indicate contamination.

3) Plant employees did not experience any loss of material from the tank or flow of water into the tank.

The project manager did observe a rainbow sheen and small amount of black material floating on the water in the tank excavation pit. This material was subsequently removed with sorbent pads. It is quite evident from the description of the tank removal operation that the observed oily substance was due to rainwater washdown from the tank. At one point, approximately one half of the cut tank in the excavation pit had one to two feet of standing rainwater in it. Since the tank had to be cut with a blowtorch, any residual materials remaining inside the tank (even after cleaning) may have been loosened and transported off in the rainwater. Following complete removal of the tank, the area was backfilled with clean fill and excavated soils that showed no signs of contamination.

December 30, 1987: Jim Keeler sent a report of the tank excavation to the New Jersey Department of Environmental Protection (NJDEP). Although Mr. Keeler referenced the "20,000 gallon #4 fuel oil tank which leaked and was extracted", General Plastics feels there was no evidence of tank leakage. Mr. Keeler was maintenance manager at the

ATTACHMENT V-2

time and did not possess the expertise to determine tank leakage. We believe this statement was made in error.

January 25, 1988: The NJDEP notified GP that a groundwater investigation must be conducted based on the following statements.

1) Groundwater was encountered during the excavation.

2) The water was observed to have a rainbow sheen and black liquid on the surface.

3) The excavation was backfilled with contaminated soils.

General Plastics would like to refute these statements based upon the following facts.

1) Water was noted in the excavation pit in the report submitted to the NJDEP. However, it is the opinion of GP that the water in the pit was collected rainwater, not groundwater, since it rained the entire time of the tank excavation.

2) General Plastics strongly feels that the rainbow sheen and black liquid encountered were due to the nature of the removal operation. The use of the blow torch in cutting the tank apart caused any residual material in the tank to loosen and be carried away with the rainwater.

3) The soil used to backfill the excavation pit showed no signs of contamination. GP feels that the NJDEP can not assume contamination when witnesses to the removal operation have stated otherwise.

4) Analytical results from samples collected from the excavation sidewall showed that no contamination from the tank had occurred.

5) The extensive post-tank excavation samples reported in the accompanying report by JM Sorge confirm that no tank leakage had occurred.

May 13, 1988: General Plastics received a Notice of Violation (NOV) for the discharge of a hazardous substance under the New Jersey Spill, Compensation, and Control Act. GP feels that this NOV was inappropriately issued as a discharge of a hazardous substance was never proven.

ATTACHMENT V-3

May, 1988 to the Present: General Plastics embarked on an extensive investigation of soil contamination. The goals of the investigation were:

1) To collect additional information to further determine whether a release of a hazardous substance had occurred.

2) To determine the need for a groundwater investigation.

GP has employed the services of JM Sorge, a hydrogeologic consultant, to assist in this project.

To date, analytical results of soil samples taken in and around the excavated tank area do not indicate a release. However, GP does recognize that an elevated level of petroleum hydrocarbons (PHC) was encountered at one of our sample points. To further investigate this particular area, GP is planning to employ the use of a backhoe, excavate the area in question, stockpile and sample questionable soils, and if necessary, properly dispose of any contaminated soils found.

General Plastics feels that the use of a backhoe is the most efficient way to investigate contaminated soils. Due to the facts outlined above, it is our opinion that the installation of a groundwater monitoring well is not warranted at this time.

Proposed Soil Investigation

Analytical results for samples taken within the area of the excavated tank reveal insignificant levels of petroleum hydrocarbons. The only elevated PHC concentration occurred at the northern end of the former tank (B-6 Area). As noted in the attached report from our consultant, the PHC concentrations found in the area of the railroad track are due to railroad bedding material and coal, which was transported on the railroad.

To further investigate the former fuel oil tank area, we plan on excavating at boring location B-6 using a rubber tired backhoe. Soils will be stockpiled on 5-mil plastic sheeting and covered with the same waterproof material. The excavated soils will then be sampled to determine contamination. In addition, samples will be taken from the sidewalls of the excavation pit to verify complete contamination removal (if any). Further soil excavation and remediation will be based on the results of soil sampling. GP does not anticipate an expanded sample plan since only residual amounts of PHC have been found. Upon receipt of the analytical results, the area will be backfilled. If necessary, clean fill will be purchased and used.

ATTACHMENT V-4

All soil samples will be analyzed for PHC. Samples collected will be properly transported to the laboratory and handled using standard chain of custody protocols. The analysis will be performed by a NJDEP certified laboratory using EPA method 418.1 for PHC analysis.

Health and safety practices will be adhered to during the investigation. General Plastics does not expect to encounter significant soil contamination and hence significant vapor build up. However, the sampling site will be monitored using an HNU photoionizing detector and respiratory protection will be provided accordingly. Protective work clothing will also be used during the sampling event.

Groundwater Investigation

Based on the analytical results collected to date, installation of a groundwater monitoring well is not warranted.

GPUST616.BL

ATTACHMENT V-5

SOILS INVESTIGATION SUMMARY REPORT

GENERAL PLASTICS DIVISION
55 La France Avenue
Bloomfield, NJ 07003
Case #87-10-14-0400

Prepared for

PMC Inc.
West 100 Century Road
Paramus, NJ 07652

Prepared by

J M Sorge, Inc.
50 County Line Road
Somerville, NJ 08876

July 1989

ATTACHMENT V-6

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ATTACHMENT V-7

LIST OF FIGURES

Number	Title
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2	Sample Location Map

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2	Soil Sampling Results

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A	Laboratory Analytical Results (Veritech and PMC Sampling Programs)
B	Laboratory Analytical Results (JMS Sampling Program)
C	Soil Sampling Procedures
D	Well Inventory (1-mile radius of site)

ATTACHMENT V-8

1.0 INTRODUCTION

J M Sorge, Inc. (JMS) was retained by Plastics Management Corp. Inc. (PMC), to conduct soil investigations at its General Plastics (GP) division facility. The GP facility is located at 55 La France Avenue, Bloomfield, New Jersey (Figure 1).

The soil investigation was conducted in the area of a former underground storage tank, the 20,000 gallon capacity tank was used for the storage of # 4 fuel oil. This report provides a summary of the completed soils investigation.

ATTACHMENT V-9

2.0 SITE BACKGROUND

The former 20,000-gallon oil tank was located in the northwest section of the GP property (Figure 2). The tank serviced the GP facility boiler. In December 1987, the tank was removed and the heating system was converted to natural gas. The tank removal program was managed by PMC personnel.

The tank removal/excavation program, was implemented on December 14 to 18, 1987. The excavation was advanced to an approximate depth of 12 feet and five (5) post-excavation samples were obtained. The results of the analyses conducted on these samples yielded petroleum hydrocarbon concentrations ranging from 34 ppm to 130 ppm. Reportedly, no evidence of contamination was noted in excavated soils or along the excavation sidewalls. Therefore, no further remedial actions were taken and the area was backfilled with the excavated soils.

A summary report detailing the tank removal, excavation and sampling results, was submitted by the facility to the NJDEP - Metro Region Field Office in late 1987. Based on comments received from the NJDEP, JMS was retained to conduct a further soil sampling program.

ATTACHMENT V-10

3.0 ENVIRONMENTAL SETTING

3.1 GENERAL LAND USE

The local land use around the GP facility is primarily residential and commercial with some light industry in the area. The location of the facility in Bloomfield, New Jersey is shown on Figure 1. Figure 2 is included as a site plan showing the location of the former tank area. The facility is bounded to the north and west by light industrial structures and the south and east by residential structures. The percentage of on-site land covered by structures and pavement is approximately 60%.

3.2 TOPOGRAPHY/DRAINAGE

The surface run-off and drainage from the GP facility is directed to the local storm sewer system. The run-off from the railroad track area, located to the west of the tank area, is directed to a surface drain located in the area. Regionally, drainage flows to the Passaic River to the southeast.

3.3 REGIONAL GEOLOGY/HYDROGEOLOGY

The GP facility is located within the Triassic lowlands of the Piedmont Physiographic Province. Altitudes range from sea level in the eastern part of the province to 650 feet along the Watchung Mountains to the west. The topography consists of lowlands and gently rolling hills. The rock types underlying the facility area include the Brunswick Formation of the Newark Group, and the uppermost lithologic unit of the Triassic Era. The Brunswick Formation consists primarily of interbedded red-brown to gray-brown shales, sandstones and some conglomerates. The total thickness of the Brunswick Formation is assumed to exceed 6,000 feet in the area of the site.

Rocks of the Brunswick Formation, primarily the shale and sandstone constituents, are the primary source of groundwater in this part of Essex County. Due to the jointing and fracturing found in the Brunswick Formation, they are generally capable of sustaining moderate to large yield wells. The best producing wells in the Brunswick Formation are commonly set at depths of 300 to 400 feet. Drawdown, due to pumping, is greatest along the strike direction (approximately north 30-degrees east) and least in the direction perpendicular to strike. The average yield of large diameter production wells is in the range of 300 to 400 gallons per minute. Wells located within a one (1) mile radius of the site are identified in Appendix E.

ATTACHMENT V-11

3.4 SITE SPECIFIC GEOLOGY/HYDROGEOLOGY

The soils underlying the GP site area consist primarily of heavily altered and reworked native glacio-lacustrine deposits and fill materials. These glacio-lacustrine deposits are comprised of interbedded fine sands, silts and clays. These deposits were laid down during the Pleistocene epoch of glaciation. The soils present in the vicinity of the former tank area consist of approximately 3.0 to 5.0 feet of fine sands, silts and clays (fill materials) intermixed with varying amounts of cobbles and shale fragments. The railroad track area contained some coal residue. The thickness of these overburden deposits varies from approximately 8.0 - 12.0 feet. Fractured shale bedrock is encountered below the overburden. Groundwater occurs at a depth of 8.0 to 8.5 feet in the former tank excavation area.

ATTACHMENT V-12

4.0 SOILS INVESTIGATION

An extensive soil investigation has been conducted at the site in order to determine residual PHC concentrations in tank area soils. The initial site investigation was conducted in the immediate vicinity of the former tank area. Subsequently, the soil investigation was expanded to the area of the railroad tracks (Figure 2). The two (2) areas are separated by a concrete retaining wall. The purpose of a soil investigation within the railroad track area was to determine the effects of contaminated run-off (if any) from the tank area.

The railroad track area investigation was based on the premise that run-off from the tank area followed a northern route towards the back of the building. However, this theory was made during a dry period when there was no surface water in the area. Observation of the site's surface water drainage patterns was made by PMC personnel during heavy rainfall in May, 1989. At this time it was determined that rainwater in the railroad track area flows towards the retaining wall and into a stormwater drain (Figure 2).

4.1 TANK AREA SAMPLING SUMMARY

The tank area soil investigation was conducted by Veritech, Inc. and the Environmental Affairs Department of PMC. JMS was retained to provide the drilling services during this phase of the soil investigation. The investigation was confined to the immediate area of the former tank location. The preliminary drilling and sampling program was conducted on July 21 and 28, 1988.

A truck-mounted drill rig was utilized to advance each soil boring to the desired sampling depths. A series of eight (8) soil borings, B-1 to B-7 and B-7A, were installed in the vicinity of the former underground fuel oil tank. The total depths of the soil borings ranged from 8.5 feet (B-7A) to 16.0 feet (B-1) below grade. The borings could not be advanced beyond these depths due to the occurrence of shale bedrock in the area resulting in auger refusal. Soil boring B-7 was abandoned at a shallow depth due to sand/gravel collapse, and was relocated (Boring B-7A) to obtain a soil sample. Groundwater occurred at varying depths of 7.5 to 8.5 feet below grade in the former tank area. A total of nineteen (19) soil samples and one (1) field blank sample were collected for laboratory analysis for total petroleum hydrocarbons (PHC) as summarized in Table 1. Soil boring locations are shown on Figure 2.

The results of the PHC analyses identified low petroleum concentrations in five (5) samples, and moderate PHC concentration in one (1) sample. The analytical results are summarized on Table 2. A copy of the laboratory analytical results for the soil sampling program conducted by Veritech and PMC, is provided as Appendix A.

ATTACHMENT V-13

4.2 RAILROAD TRACK AREA SAMPLING SUMMARY

As noted above in Section 4.0, sampling of the railroad track area was initiated based on the area topography, which indicated that the tank area run-off flowed into the railroad track area. However, during the later heavy rainfall period, it was determined that the surface drain received drainage from the railroad area only. Sampling and analysis of surface soils in this area disclosed some elevated levels of PHC. However, microscopic analysis of these soils revealed the presence of asphalt particles - indicative of the railroad bedding materials. In addition, it was determined that the structure located next to the building and the railroad track was at one time a coal silo (Figure 2). The facility originally utilized a coal burning furnace and the coal was transported via railroad cars. It is possible that residual amounts of coal were deposited onto the railroad track during coal unloading operations. Therefore, the elevated PHC results for this sampling event can be attributed to the presence of coal and asphalt.

The soil sampling program conducted by JMS consisted of the collection of surface samples from the railroad area. In addition, several samples were obtained from depths comparable to the base of the former tank. The program consisted of shallow sampling at seven (7) locations, installation of three (3) shallow test pits and installation of three (3) soil borings.

The test pits were installed utilizing a rubber-tired backhoe. A trailer-mounted drill rig was used to install the soil borings. JMS standard surface sample collection procedures (i.e. hand trowel), were utilized to collect all surface and test pit soil samples. Samples from boring locations B-12, B-15A and B-16A were obtained at deeper levels utilizing hand auger sampling techniques (Appendix C). Between sampling all equipment was thoroughly decontaminated utilizing a "triple-rinse" method to minimize potential cross-contamination. The locations of all surface samples, test pits and soil borings are noted on Figure 2. Table 1 provides a summary of all samples by location and analytical parameters.

Surficial samples B-10 and B-11 were collected from the railroad track area at a depth of 0 to 0.5 feet below grade. Samples B-12 and B-12A were collected at respective depths of 0 to 0.5 and 0.5 to 1.0 feet from soils adjacent to the GP facility building. Samples B-13, B-14 and B-15 were also collected from the railroad track area but at a depth of 0 - 3 inches due to the occurrence of a coal-laden ash strata present at a depth of 4 inches. The coal-ash layer is associated with the railroad bedding materials used in this area.

Test Pits TP-8 and TP-9 were located approximately 20 to 25 feet northwest of the previous tank excavation and were extended to respective depths of 6.0 and 4.0 feet. Note that native soils were encountered in these test pits at depths of 4.5 and 3.5 feet, respectively. Soil samples TP-8A, TP-8B and TP-9B were

obtained from these test pits at respective depths of 1.5 to 2.0, 5.5 to 6.0, and 3.5 to 4.0 feet below grade. Finally, the location of Sample B-11 was extended to a depth of 3.0 feet (designated as Test Pit TP-11). Two (2) soil samples, TP-11A and TP-11B, were obtained from TP-11 at depths of 0.5 to 1.0 and 2.5 to 3.0 feet, respectively. Native soils were encountered in TP-11 at 1.5 feet depth.

Soil Borings B-15A and B-16A were installed approximately 20 to 25 feet northwest of the retaining wall and extended to respective depths of 9.5 and 6.0 feet in order to determine if any residual PHC contamination was present at depth. Soil Samples B-15A, B-15B, B-16A and B-16B were collected at depths of 3.0 to 3.5, 9.0 to 9.5, 3.0 to 3.5 and 5.5 to 6.0 feet, respectively.

Groundwater was encountered at relatively shallow depths throughout the railroad track area. Groundwater occurs at a depth of approximately 1.0 foot below surface grade in the vicinity of sample locations B-11 to B-15 and in periods of heavy precipitation is known to rise to grade level. Test Pits TP-8 and TP-9 were installed in areas with slightly elevated surface grades; consequently, groundwater was encountered at depths ranging from 3.5 to 4.5 feet. Groundwater was found in Borings B-15A and B-16A at a depth of approximately 3.5 feet.

A total of sixteen (16) soil samples were selected for laboratory analysis. Soil Samples B-10 to B-12, B-12A, B-13 to B-15, B-15A, B-15B, B-16A and B-16B, as well as TP-8A, TP-8B, TP-9B, TP-11A and TP-11B were analyzed for total petroleum hydrocarbons (PHC). Due to the high amounts of coal ash and fill material present in the railroad track area, Samples B-11 and B-15 were also selected for microscopic analysis to determine the nature of materials present in the samples. The laboratory analyses were conducted by Accutest Laboratories, Inc., of Dayton, New Jersey. Additionally, duplicate samples of B-11, B-12 and B-12A were collected during the sampling program. Duplicate samples were analyzed for PHC by Veritech Laboratories of Butler, New Jersey. The laboratory analytical results data and chain-of-custody control documentation is included as Appendix B. The analytical results are summarized on Table 2.

obtained from these test pits at respective depths of 1.5 to 2.0, 5.5 to 6.0, and 3.5 to 4.0 feet below grade. Finally, the location of Sample B-11 was extended to a depth of 3.0 feet (designated as Test Pit TP-11). Two (2) soil samples, TP-11A and TP-11B, were obtained from TP-11 at depths of 0.5 to 1.0 and 2.5 to 3.0 feet, respectively. Native soils were encountered in TP-11 at 1.5 feet depth.

Soil Borings B-15A and B-16A were installed approximately 20 to 25 feet northwest of the retaining wall and extended to respective depths of 9.5 and 6.0 feet in order to determine if any residual PHC contamination was present at depth. Soil Samples B-15A, B-15B, B-16A and B-16B were collected at depths of 3.0 to 3.5, 9.0 to 9.5, 3.0 to 3.5 and 5.5 to 6.0 feet, respectively.

Groundwater was encountered at relatively shallow depths throughout the railroad track area. Groundwater occurs at a depth of approximately 1.0 foot below surface grade in the vicinity of sample locations B-11 to B-15 and in periods of heavy precipitation is known to rise to grade level. Test Pits TP-8 and TP-9 were installed in areas with slightly elevated surface grades; consequently, groundwater was encountered at depths ranging from 3.5 to 4.5 feet. Groundwater was found in Borings B-15A and B-16A at a depth of approximately 3.5 feet.

A total of sixteen (16) soil samples were selected for laboratory analysis. Soil Samples B-10 to B-12, B-12A, B-13 to B-15, B-15A, B-15B, B-16A and B-16B, as well as TP-8A, TP-8B, TP-9B, TP-11A and TP-11B were analyzed for total petroleum hydrocarbons (PHC). Due to the high amounts of coal ash and fill material present in the railroad track area, Samples B-11 and B-15 were also selected for microscopic analysis to determine the nature of materials present in the samples. The laboratory analyses were conducted by Accutest Laboratories, Inc., of Dayton, New Jersey. Additionally, duplicate samples of B-11, B-12 and B-12A were collected during the sampling program. Duplicate samples were analyzed for PHC by Veritech Laboratories of Butler, New Jersey. The laboratory analytical results data and chain-of-custody control documentation is included as Appendix B. The analytical results are summarized on Table 2.

The PHC analyses conducted on the railroad track area soil samples identified elevated PHC concentrations in six (6) of the samples. Surface samples (less than 0.5 foot depth) exhibited low PHC concentrations of 4400, 1900, 1500, 1100, 1300 and 320 ppm, for Borings B-10 to B-15 respectively. The duplicate PHC analyses conducted by Veritech on Samples B-11, B-12 and B-12A, labeled B-11(DUP), B-12(DUP) and B-12A(DUP), respectively, identified similar concentrations of 1761, 646 and 100 ppm, respectively. Note, however, that the elevated PHC concentrations identified did not extend beyond a maximum depth of 0.5 feet below grade. Also, the microscopic analysis conducted on Samples B-11 and B-15 identified approximately 50% and 15%, respectively, of the sample material as asphalt particles. The microscopic analysis data are also included in Appendix B. Therefore, the elevated PHC concentrations identified at surficial depths in this area are due solely to coal and residual railroad bedding materials present and are not related to tank leakage.

ATTACHMENT V-16

5.0 SITE INVESTIGATION SUMMARY

The results of the soil boring and sampling program conducted in the vicinity of the former oil tank excavation identified slightly elevated residual petroleum hydrocarbon contamination. Only one sample exhibited the presence of PHC contamination, at the depth of 8.0 to 8.5 feet, Boring B-6 installed within the northern end of the previous tank excavation.

An extensive shallow soil sampling program was conducted by JMS in the railroad track area northeast of the former tank location. The results obtained from the extensive sampling completed in the area indicates that fuel oil from the tank area has not affected the railroad track area. However, slightly elevated PHC levels were identified and correlated to the presence of asphalt and coal in the soil in this area.

ATTACHMENT V-17

TABLE 1
GENERAL PLASTIC CORPORATION
SOIL SAMPLING SUMMARY

BORING (B) OR TEST PIT (TP) NUMBER	SAMPLE NUMBER	DEPTH (FT BELOW GRADE)	DATE COLLECTED	ANALYTICAL PARAMETER
FORMER TANK AREA:				
B-1	B-1B	6.0'	7/21/88	PHC
	B-1C-1	7.0-8.5'	7/21/88	PHC
	B-1C	8.5'	7/21/88	PHC
	B-1E	11.0-12.0'	7/21/88	PHC
	B-1G	13.5-14.0'	7/21/88	PHC
	B-1I	16.0'	7/21/88	PHC
B-2	B-2A	8.0-8.5'	7/28/88	PHC
	B-2B	12.0-12.5'	7/28/88	PHC
	B-2C	15.0-15.5'	7/28/88	PHC
B-3	B-3A	8.0-8.5'	7/28/88	PHC
	B-3B	11.0-11.5'	7/28/88	PHC
B-4	B-4A	12.0-12.5'	7/28/88	PHC
	B-4B	14.5-15.0'	7/28/88	PHC
B-5	B-5A	8.0-8.5'	7/28/88	PHC
	B-5B	10.0-10.5'	7/28/88	PHC
	B-5C	11.5-12.0'	7/28/88	PHC
B-6	B-6A	8.0-8.5'	7/28/88	PHC
	B-6B	12.0-12.5'	7/28/88	PHC
B-7A	B-7A	8.0-8.5'	7/28/88	PHC
RAILROAD TRACK AREA:				
TP-8	TP-8A	1.5-2.0'	1/11/89	PHC
	TP-8B	5.5-6.0'	1/11/89	PHC
TP-9	TP-9B	3.5-4.0'	1/11/89	PHC
B-10	B-10	0-0.5'	1/11/89	PHC
B-11	B-11	0-0.5'	1/11/89	PHC, MICRO
	B-11 (DUP)	0-0.5'	1/11/89	PHC
TP-11	TP-11A	0.5-1.0'	1/11/89	PHC
	TP-11B	2.5-3.0'	1/11/89	PHC

ATTACHMENT V-18

TABLE 1
GENERAL PLASTIC CORPORATION
SOIL SAMPLING SUMMARY
(CONTINUED)

BORING (B) OR TEST PIT (TP) NUMBER	SAMPLE NUMBER	DEPTH (FT BELOW GRADE)	DATE COLLECTED	ANALYTICAL PARAMETER
B-12	B-12	0-0.5'	1/11/89	PHC
	B-12 (DUP)	0-0.5'	1/11/89	PHC
	B-12A	0.5-1.0'	1/11/89	PHC
	B-12A (DUP)	0.5-1.0'	1/11/89	PHC
B-13	B-13	0-0.25'	1/11/89	PHC
B-14	B-14	0-0.25'	1/11/89	PHC
B-15	B-15	0-0.25'	2/17/89	PHC, MICRO
B-15A	B-15A	3.0-3.5'	3/8/89	PHC
	B-15B	9.0-9.5'	3/8/89	PHC
B-16A	B-16A	3.0-3.5'	3/8/89	PHC
	B-16B	5.5-6.0'	3/8/89	PHC

NOTES:

MICRO - MICROSCOPIC ANALYSES (FOR ASPHALT CONTENT)
PHC - TOTAL PETROLEUM HYDROCARBONS
VO - VOLATILE ORGANICS

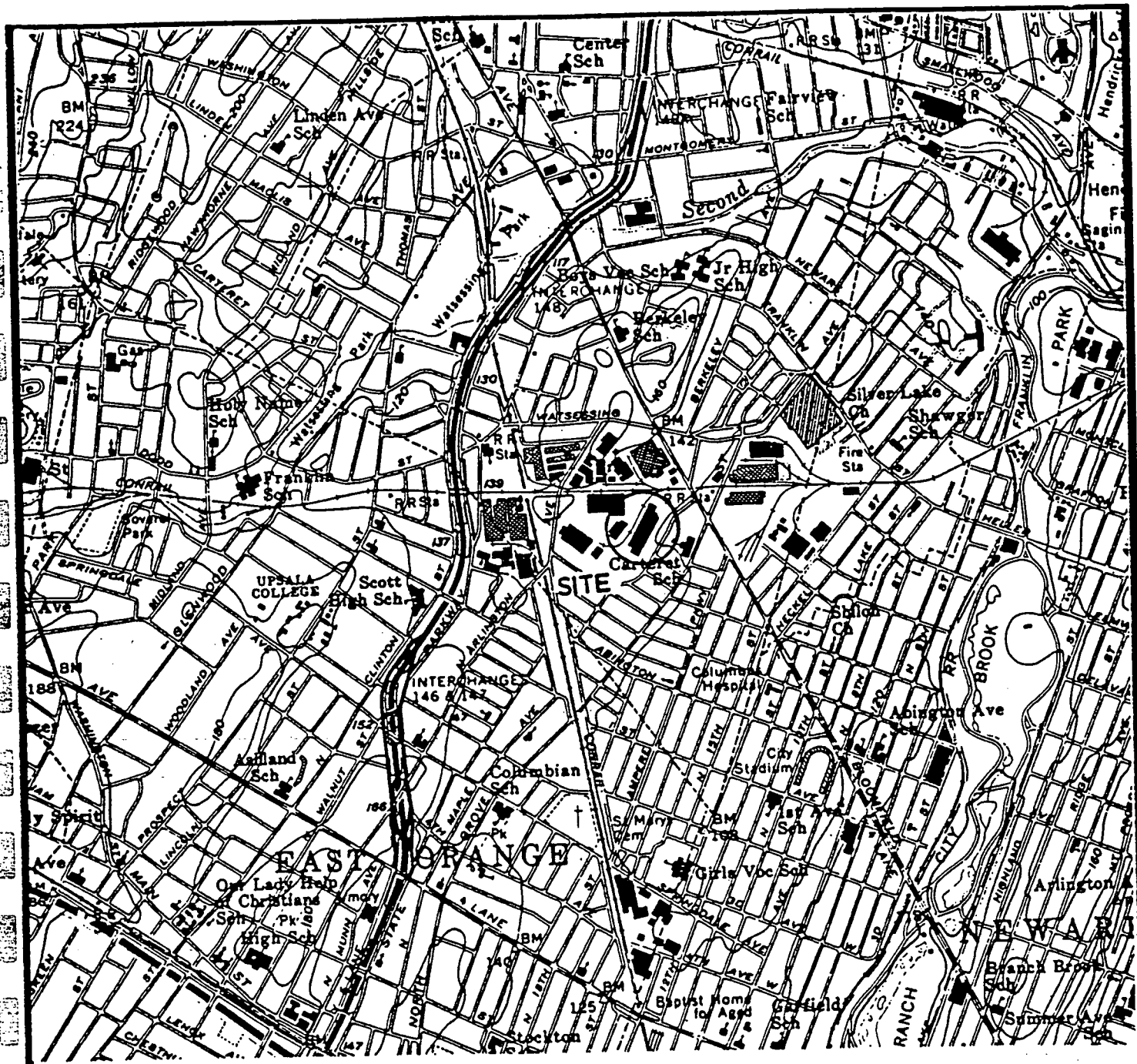
ATTACHMENT V-19

TABLE 2
GENERAL PLASTIC CORPORATION
SOIL SAMPLING RESULTS

SAMPLE NUMBER	DEPTH (ft.)	PHC (ppm)
FORMER TANK AREA:		
B-1B	6.0'	ND
B-1C-1	7.0-8.5'	ND
B-1C	8.5'	ND
B-1E	11.0-12.0'	ND
B-1G	13.5-14.0'	ND
B-1I	16.0'	ND
B-2A	8.0-8.5'	ND
B-2B	12.0-12.5'	ND
B-2C	15.0-15.5'	ND
B-3A	8.0-8.5'	59
B-3B	11.0-11.5'	153
B-4A	12.0-12.5'	214
B-4B	14.5-15.0'	73
B-5A	8.0-8.5'	32
B-5B	10.0-10.5'	113
B-5C	11.5-12.0'	ND
B-6A	8.0-8.5'	2077
B-6B	12.0-12.5'	431
B-7A	8.0-8.5'	ND
RAILROAD TRACK AREA:		
TP-8A	1.5-2.0'	ND
TP-8B	5.5-6.0'	ND
TP-9B	3.5-4.0'	ND
B-10	0-0.5'	4400
B-11	0-0.5'	1900
B-11 (DUP)	0-0.5'	1761
TP-11A	0.5-1.0'	ND
TP-11B	2.5-3.0'	ND
B-12	0-0.5'	2500
B-12 (DUP)	0-0.5'	646
B-12A	0.5-1.0'	ND
B-12A (DUP)	0.5-1.0'	100
B-13	0-0.25'	1100
B-14	0-0.25'	1300
B-15	0-0.25'	320
B-15A	3.0-3.5'	ND
B-15B	9.0-9.5'	99
B-16A	3.0-3.5'	ND
B-16B	5.5-6.0'	ND

NOTES:
NA - NOT ANALYZED
PHC - TOTAL PETROLEUM HYDROCARBONS
ppm - PARTS PER MILLION

ATTACHMENT V-20



SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET

SOURCE:

U.S.G.S. 7.5
MINUTE SERIES
ORANGE
QUADRANGLE – NJ

MN GN
12°
213 MILS
0°32'
9 MILS

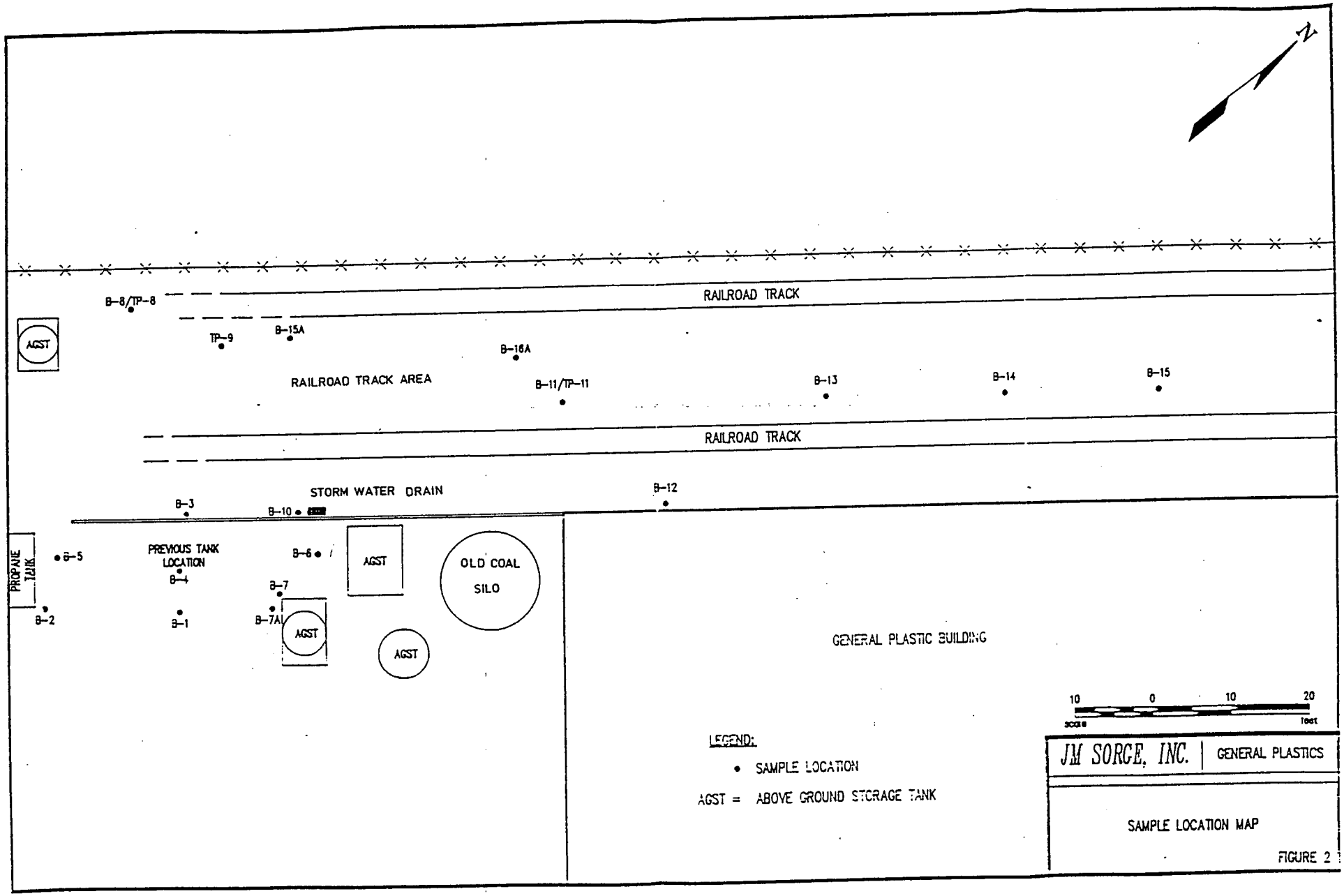
UTM GRID AND 1981 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

JM SORGE, INC.	GENERAL PLASTICS

SITE LOCATION MAP

FIGURE 1

ATTACHMENT V-21



ATTACHMENT V-22

APPENDIX B

LABORATORY ANALYTICAL RESULTS
(JMS Sampling Program)

ATTACHMENT V-23

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

TO: J. M. SORGE, INC.
3301 U. S. HIGHWAY 22
SOMERVILLE, NJ 08876

ATTN: MIKE McGOWAN

DATE: 01/20/89

JOB No: 890290

PROJECT No: 88074

SAMPLE RECEIVED: 01/13/89

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900991	01/11/89	11:25	WC	SOIL - TP-8A, OIL UGST DELINEATION SAMPLE, 1.5-2.0' GENERAL PLASTICS
E900992	01/11/89	11:40	WC	SOIL - TP-8B, OIL UGST DELINEATION SAMPLE, 5.5-6.0' GENERAL PLASTICS
E900993	01/11/89	11:00	WC	SOIL - TP-9B, OIL UGST DELINEATION SAMPLE, 3.5-4.0' GENERAL PLASTICS
E900994	01/11/89	12:40	WC	SOIL - B-10, OIL UGST DELINEATION SAMPLE, 0-0.5' GENERAL PLASTICS
E900995	01/11/89	08:25	WC	SOIL - B-11, OIL UGST DELINEATION SAMPLE, 0-0.5' GENERAL PLASTICS
E900996	01/11/89	10:45	WC	SOIL - TP-11A, OIL UGST DELINEATION SAMPLE, 0.5-1.0' GENERAL PLASTICS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-24

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

TO: J. M. SORGE, INC.
3301 U. S. HIGHWAY 22
SOMERVILLE, NJ 08876

ATTN: MIKE McGOWAN

DATE: 01/20/89

JOB No: 890290

PROJECT No: 88074

SAMPLE RECEIVED: 01/13/89

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900997	01/11/89	10:40	WC	SOIL - TP-11B, OIL UGST DELINEATION SAMPLE, 2.5-3.0' GENERAL PLASTICS
E900998	01/11/89	08:45	WC	SOIL - B-12, OIL UGST DELINEATION SAMPLE, 0-0.5' GENERAL PLASTICS
E900999	01/11/89	12:55	WC	SOIL - B-12A, OIL UGST DELINEATION SAMPLE, 0.5-1.0' GENERAL PLASTICS
E901000	01/11/89	13:25	WC	SOIL - B-13, OIL UGST DELINEATION SAMPLE, 0-3" GENERAL PLASTICS
E901001	01/11/89	13:35	WC	SOIL - B-14, OIL UGST DELINEATION SAMPLE, 0-3" GENERAL PLASTICS

VINCENT J. PUGLIESE
VICE-PRESIDENT

CERTIFICATIONS: NJ (12129) • NY (10983) • CT (PH-0585)

ATTACHMENT 1-25

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900991	01/11/89	11:25	WC	SOIL - TP-8A, OIL UGST DELINEATION SAMPLE, 1.5-2.0' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	<50	50	MG/KG	01/18/89	HP
SOLIDS, TOTAL PERCENT	89	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. FUGLIESE
VICE-PRESIDENT

ATTACHMENT 3 V-26

ACCUTEST®
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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900992	01/11/89	11:40	WC	SOIL - TP-8B, OIL UGST DELINEATION SAMPLE, 5.5-6.0' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	<50	50	MG/KG	01/18/89	HF
SOLIDS, TOTAL PERCENT	92	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

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2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900993	01/11/89	11:00	WC	SOIL - TP-9B, OIL UGST DELINEATION SAMPLE, 3.5-4.0' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	<50	50	MG/KG	01/18/89	HP
SOLIDS, TOTAL PERCENT	97	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-28 5

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900994	01/11/89	12:40	WC	SOIL - B-10, OIL UGST DELINEATION SAMPLE, 0-0.5' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	4400	50	MG/KG	01/18/89	HP
SOLIDS, TOTAL PERCENT	81	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-29

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900995	01/11/89	08:25	WC	SOIL - B-11, OIL UGST DELINEATION SAMPLE, 0-0.5' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	1900	50	MG/KG	01/18/89	HP
SOLIDS, TOTAL PERCENT	82	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-30

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

: J. M. SORGE, INC.
50 COUNTY LINE ROAD
SOMERVILLE, NJ 08876

ATTN: MIKE McGOWAN

DATE: 03/08/89

JOB No: 890290R

PROJECT No: 88074

SAMPLE RECEIVED: 03/01/89

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900995R	01/11/89	08:25	WC	SOIL - B-11, OIL UGST, 0-0.5' GENERAL PLASTICS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V.31

ACCUTEST
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
900995R	01/11/89	08:25	WC	SOIL - B-11, OIL UGST, 0-0.5' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
MICROSCOPIC IDENTIFICATION	COMPLETE *			03/03/89	RJP

* MICROSCOPIC IDENTIFICATION

Soil sample contains:

Asphalt	50%
Quartz	10%
Wood particles	7%

NOTE: All percentages are approximate.

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT 1-3

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900996	01/11/89	10:45	WC	SOIL - TP-11A, OIL UGST DELINEATION SAMPLE, 0.5-1.0' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	<50	50	MG/KG	01/18/89	HF
SOLIDS, TOTAL PERCENT	75	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-33

ACCUTEST®
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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900997	01/11/89	10:40	WC	SOIL - TP-11B, OIL UGST DELINEATION SAMPLE, 2.5-3.0' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	<50	50	MG/KG	01/18/89	HP
SOLIDS, TOTAL PERCENT	92	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-34

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900998	01/11/89	08:45	WC	SOIL - B-12, OIL UGST DELINEATION SAMPLE, 0-0.5' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	2500	50	MG/KG	01/18/89	HF
SOLIDS, TOTAL PERCENT	64	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT 1.35

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E900999	01/11/89	12:55	WC	SOIL - B-12A, OIL UGST DELINEATION SAMPLE, 0.5-1.0' GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	<50	50	MG/KG	01/18/89	HP
SOLIDS, TOTAL PERCENT	86	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-36

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E901000	01/11/89	13:25	WC	SOIL - B-13, OIL UGST DELINEATION SAMPLE, 0-3" GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	1100	50	MG/KG	01/18/89	HP
SOLIDS, TOTAL PERCENT	69	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-3 12

ACCUTEST®
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E901001	01/11/89	13:35	WC	SOIL - B-14, OIL UGST DELINEATION SAMPLE, 0-3" GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	1300	50	MG/KG	01/18/89	HP
SOLIDS, TOTAL PERCENT	83	2.0	%	01/17/89	BO

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-38

ACCUTEST®
2235 ROUTE 130, BLDG. 3 • DAYTON, N.J. 08810 • (201) 329-0200

1989

TO: J. M. SORGE, INC.
50 COUNTY LINE ROAD
SOMERVILLE, NJ 08876

ATTN: MIKE McGOWAN

DATE: 03/09/89

JOB No: 891057

PROJECT No: 88074

SAMPLE RECEIVED: 02/22/89

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E904025	02/17/89	12:00	WC	SOIL - B-15, DRAINAGE SWALE AREA, 0-3" GENERAL PLASTICS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-39

ACCUTEST
2235 ROUTE 130, BLDG. B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E904025	02/17/89	12:00	WC	SOIL - B-15, DRAINAGE SWALE AREA, 0-3" GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
MICROSCOPIC IDENTIFICATION	COMPLETE *			02/23/89	RJF
PETROLEUM HYDROCARBONS	320	50	MG/KG	02/23/89	BL
SOLIDS, TOTAL PERCENT	80	2.0	%	02/23/89	HJS

* MICROSCOPIC IDENTIFICATION

Soil sample contains:

Quartz	5%
Calcite	7%
Asphalt	15%
Wood particles	5%

NOTE: All percentages are approximate.

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V.40

ACCUTEST
2235 ROUTE 130, BLDG B • DAYTON N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E905127	03/08/89	13:50	EJ	SOIL - B-15A, 3-3.5'/GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	<50	50	MG/KG	03/14/89	JK
SOLIDS, TOTAL PERCENT	92	2.0	%	03/13/89	BL

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-41

ACCUTEST
2235 ROUTE 130, BLDG B • DAYTON N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E905128	03/08/89	14:15	EJ	SOIL - B-15B, 9-9.5'/GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	99	50	MG/KG	03/14/89	JK
SOLIDS, TOTAL PERCENT	80	2.0	%	03/13/89	BL

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-4

ACCUTEST
2235 ROUTE 130 BLDG E • DAYTON N.J. 08810 • (201) 329-0200.

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E905129	03/08/89	12:30	EJ	SOIL - B-16A, 3-3.5'/GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	<50	50	MG/KG	03/14/89	JK
SOLIDS, TOTAL PERCENT	86	2.0	%	03/13/89	BL

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-43

ACCUTEST
2235 ROUTE 130, BLDG B • DAYTON, N.J. 08810 • (201) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E905130	03/08/89	13:15	EJ	SOIL - B-16B, 5.5-6'/GENERAL PLASTICS

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	<50	50	MG/KG	03/14/89	JK
SOLIDS, TOTAL PERCENT	87	2.0	%	03/13/89	BL

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

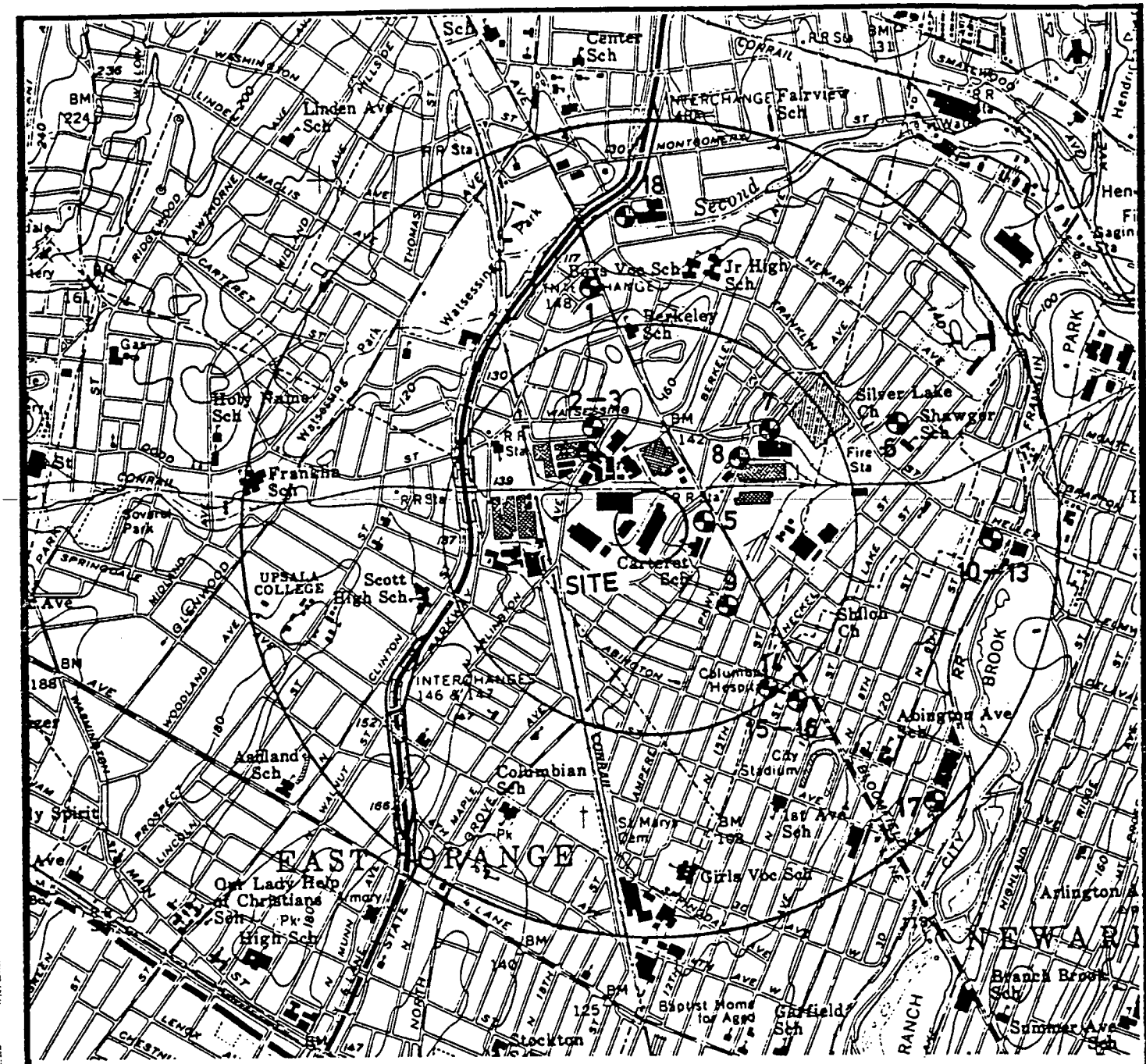
VINCENT J. PUGLIESE
VICE-PRESIDENT

ATTACHMENT V-44

APPENDIX D

WELL INVENTORY (1-mile radius of site)

ATTACHMENT V-4



SCALE 1:24000

1 ½ 0 1 MILE

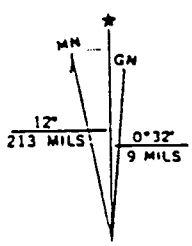
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET

SOURCE:

U.S.G.S. 7.5
MINUTE SERIES
ORANGE
QUADRANGLE – NJ



UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

JM SORGE, INC.	GENERAL PLASTICS

WELL LOCATION MAP (1 & 1/2 RADIUS)

APPENDIX D
ATTACHMENT D-4

APPENDIX D
(WELLS LOCATED WITHIN 1 MILE OF SITE)

WELL #	OWNER/ADDRESS	DEPTH (FT)	USE
1	JOSEPH MATARAZZO (JOE'S RESTAURANT) 332 BLOOMFIELD AVE., BLOOMFIELD	227	P,D
2	MGM RECORD DIV. OF LOEW'S, INC. 120 ARLINGTON AVE., BLOOMFIELD	579	T
3	MGM RECORD DIV. OF LOEW'S, INC. 120 ARLINGTON AVE., BLOOMFIELD	211	T
4	MGM RECORD DIV. OF LOEW'S, INC. 120 ARLINGTON AVE., BLOOMFIELD	404	C
5	TOWN OF BLOOMFIELD GROVE STREET, BLOOMFIELD	400	P
6	JACK FROST DAIRY CO. 31 HORANCE AVE., BLOOMFIELD	185	D,C
7	WARNER MFG. CO. 265 WATSESSING AVE., BLOOMFIELD	395	I
8	BLOOMFIELD HOLDING CO. 147 BLOOMFIELD AVE., BLOOMFIELD	350	I
9	MR. NICHOLAS DEL TUFO 211 AMPERE PARKWAY, BLOOMFIELD	110	D
10	SHELL OIL COMPANY HELLER PARKWAY AND 6th STREET, NEWARK	12.5	M
11	SHELL OIL COMPANY HELLER PARKWAY AND 6th STREET, NEWARK	15.5	M
12	SHELL OIL COMPANY HELLER PARKWAY AND 6th STREET, NEWARK	16	M
13	SHELL OIL COMPANY HELLER PARKWAY AND 6th STREET, NEWARK	14	M
14	COLUMBUS HOSPITAL 495 N. 13th STREET, NEWARK	354	P,C
15	EXXON COMPANY USA 524 BLOOMFIELD AVE. AND BEARDSLY, NEWARK	11	M
16	EXXON COMPANY USA 524 BLOOMFIELD AVE. AND BEARDSLY, NEWARK	10	M
17	BON VI VAUNT SOUPS 166 ABINGTON AVE., NEWARK	195	C
18	CLARA MAASS HOSPITAL FRANKLIN STREET, BELLEVILLE	500.75	P,C

NOTES:

P - PUBLIC SUPPLY
D - DOMESTIC
T - TEST (DRAWDOWN)
C - COMMERCIAL
I - INDUSTRIAL

ATTACHMENT 1-4

ATTACHMENT W

GENERAL PLASTICS CORPORATION
55 LA FRANCE AVENUE, BLOOMFIELD, NEW JERSEY 07003
EASLINK: 62897806 TEL: (201) 748-5500 TWX: 5106001622

December 15, 1989

Mr. Joseph A. Miller, Section Chief
Program Assistance Section
Bureau of Underground Storage Tanks
Division of Water Resources
NJ Department of Environmental Protection
CN 029
Trenton, NJ 08625

Re: General Plastics Corp.
Bloomfield, NJ
Case #87-10-14-0400
Response to BUST letter dated 9/6/89

Dear Mr. Miller:

In response to your letter dated September 6, 1989, General Plastics (GP) is submitting the attached summary report which briefly describes various steps taken in the area of a former underground fuel oil tank operated at the GP facility. An extensive site investigation has been completed in the former tank area; the investigation followed, as applicable, the general requirements specified in the Scope of Work provided to us via BUST correspondence dated February 27, 1989. The completed investigation included applicable Discharge Mitigation Requirements specified in your recent correspondence (dated September 6, 1989). We believe that no additional site activities, except those described in our report dated July 11, 1989, are warranted to evaluate subsurface conditions to determine the potential effects of the use of the former tank.

We believe that the attached information satisfactorily addresses all items of concern noted on your above referenced correspondence. If you feel that additional information is required, we request a meeting with the Department to discuss the matter.

If you have any questions regarding this case, please do not hesitate to call me at (201)262-3340.

Respectfully,

Michael E. Fessler
Director, Environmental Affairs

Encl.

BUST1213.MF

ATTACHMENT W-1

GENERAL PLASTICS UNDERGROUND STORAGE TANK
(BUST Case #87-10-14-0400)

SUMMARY OF COMPLETED INVESTIGATION
and
PROPOSED ACTIONS

HISTORY

The decommissioning of the former tank (a 20,000-gallon underground #4 fuel oil storage tank), was conducted on December 14 - 22, 1987. The tank was emptied and cleaned prior to the excavation. Due to the concrete footing of a nearby above ground storage tank, it was not feasible to remove the underground storage tank in one piece. Therefore, the tank was cut into sections prior to removal. To further complicate the situation, it rained the entire time of the excavation. No soil removal was conducted during the tank excavation program.

Based on the following observations and analytical results, no further remediation actions were required.

1) Stockpiled soils showed no signs of contamination;

2) Analytical results of the post-excavation samples taken within the tank area did not indicate contamination;

3) A petro-tite tank test conducted in late 1984 had confirmed tank integrity; and,

4) Plant employees did not experience any loss of material from the tank or flow of water into the tank during the operational life of the tank.

A rainbow sheen and small amount of black material floating on the water in the tank excavation pit was observed during the tank excavation program. It is quite evident from the description of the tank removal operation that the observed oily substance was due to rainwater washdown from the tank interior. Since the tank had to be cut with a blowtorch, any residual materials remaining inside the tank may have been loosened and washed off in the rainwater. This floating material was immediately removed with sorbent pads. Following complete removal of the tank, the area was backfilled with clean fill and clean excavated soils.

ATTACHMENT IV-2

SOILS INVESTIGATION

TANK AREA SAMPLING SUMMARY

An extensive soil investigation has been conducted in the immediate vicinity of the former tank area, in order to determine residual PHC concentrations in area soils. Five (5) post-excavation samples were obtained following the tank excavation program conducted in December 1987. The results of the analyses conducted on these samples indicate petroleum hydrocarbon (PHC) concentrations ranging from 34 ppm to 130 ppm. No evidence of contamination was noted in the excavated soils or along the excavation sidewalls.

The second phase of the soil investigation conducted in July 1988 also confirmed the absence of significant PHC contamination in the tank area soils. A series of eight (8) soil borings were installed in the vicinity of the former underground fuel oil tank to depths of 8.5 to 16.0 feet below grade. The borings could not be advanced beyond these depths due to the occurrence of shale bedrock in the area resulting in auger refusal.

A total of 19 soil samples were analyzed for PHC during this phase, however only eight (8) samples contained any detectable levels of PHC. Only minor levels of PHC were detected in the samples. Five (5) samples contained PHC levels exceeding 100 ppm. Only one (1) of these five samples contained a moderate PHC level; the PHC concentration detected in this sample was 2,077 ppm. The remaining four (4) samples contained PHC concentration ranging between 113 and 431 ppm.

RAILROAD TRACK AREA SAMPLING SUMMARY

Sampling of the railroad track area was conducted in early 1989 based on the area topography, which indicated that the tank area run-off flowed into the railroad track area. However, during the later heavy rainfall period, it was determined that the surface drain (Figure 1), received drainage from the railroad area only. Sampling and analysis of surface soils in this area disclosed some elevated levels of PHC. However, microscopic analysis of these soils revealed the presence of asphalt particles - indicative of the railroad bedding materials. In addition, it was determined that the structure located next to the building and the railroad track was at one time a coal silo (Figure 1). The facility originally utilized a coal burning furnace and the coal was transported via railroad cars. During coal handling, coal and coal dust were deposited onto the railroad bed. Therefore, the elevated PHC results for this sampling event can be attributed to the presence of coal and asphalt.

ATTACHMENT W-3

The soil sampling program consisted of the collection of surface samples from the railroad area. In addition, several samples were obtained from depths comparable to the base of the former tank. The program consisted of shallow sampling at seven (7) locations, installation of three (3) shallow test pits and installation of three (3) soil borings.

A total of sixteen (16) soil samples were selected for laboratory analysis; also, three (3) duplicate samples were analyzed by a second independent lab. The samples were analyzed for PHC. Due to the high amounts of coal and fill material present in the railroad track area, Samples B-11 and B-14 were also selected for microscopic analysis to determine the nature of materials present in the samples.

The PHC analyses conducted on the railroad track area soil samples identified detectable PHC concentrations in eight (8) samples, with concentration exceeding a 100 ppm level in six (6) of the samples. All six (6) samples were collected at surface (less than 0.5 foot depth); the samples exhibited PHC concentrations of 4440, 1900, 1500, 1100, 1300 and 320 ppm. Duplicate samples identified similar concentrations of 1761, 646, and 100 ppm, respectively. Note, however, that the elevated PHC concentrations identified did not extend beyond a maximum depth of 0.5 feet below grade. Therefore, the PHC contamination cannot be attributed to the tank. Also, the microscopic analysis conducted on two (2) samples identified approximately 50% and 15%, respectively, of the sample material as asphalt particles. Therefore, the elevated PHC concentrations identified at surficial depths in this area are due solely to coal and residual railroad bedding materials present and are not related to tank leakage.

SOILS INVESTIGATION SUMMARY

The results of the soil boring and sampling program conducted in the vicinity of the former oil tank excavation identified slight residual petroleum hydrocarbon contamination. Only one sample exhibited the presence of PHC contamination at a level of 2077 ppm, the sample was obtained at the depth of 8.0 to 8.5 feet from Boring B-6 installed within the northern end of the previous tank excavation.

An extensive shallow soil sampling program was conducted in the railroad track area, northeast of the former tank location. The results obtained from the extensive sampling completed in the area indicates that fuel oil from the tank area has not affected the railroad track area.

ATTACHMENT W-4

PROPOSED SOIL INVESTIGATION

To date, analytical results of soil samples taken in and around the excavated tank area do not indicate a release. However, GP does recognize that an elevated level of PHC was encountered at one sample point (B-6). The PHC contamination identified is attributed to the tank decommissioning procedures, rather than tank leakage. To further investigate this particular area, GP is proposing to employ the use of a backhoe, excavate the area in question, stockpile and sample questionable soils, and if necessary, properly dispose of any contaminated soils found.

As discussed in our July 11, 1989 report, in order to further investigate the former fuel oil tank area, we plan on excavating at boring location B-6. Soils will be stockpiled on 6-mil plastic sheeting and covered with the same waterproof material. The excavated soils will then be sampled to determine the presence of contamination. In addition, samples will be taken from the sidewalls of the excavation pit to verify complete contamination removal (if any). Further soil excavation and remediation will be based on the results of confirmatory soil sampling. GP does not anticipate an expanded sampling plan since only residual amounts of PHC have been found. Upon receipt of the analytical results, the area will be backfilled. If disposal of any soils is necessary, additional clean fill will be obtained during the backfilling program.

GROUNDWATER INVESTIGATION

Based on the analytical results collected to date, installation of a groundwater monitoring well is not warranted. The following facts are provided in support of this conclusion:

1) Water was noted in the excavation pit in the report submitted to the NJDEP on December 30, 1987 by maintenance personnel of GP. However, it is the opinion of GP that the water in the pit was collected rainwater, not groundwater, since it rained the entire time of the tank excavation.

2) GP strongly feels that the rainbow sheen and black liquid encountered were due to the nature of the removal operation. The use of the blow torch in cutting the tank apart caused any residual material in the tank to loosen and be carried away with the rainwater.

3) The soil used to backfill the excavation pit showed no signs of contamination. GP feels that the NJDEP cannot assume contamination when witnesses to the removal operation have stated otherwise. GP has proposed to re-excavate and re-test this area to confirm these observations.

ATTACHMENT W-5

4) Analytical results from samples collected from the excavation sidewall showed that no contamination from the tank had occurred.

5) The extensive post-tank excavation sampling results detailed in JMS report confirm that no tank leakage had occurred; the report was submitted by GP on July 11, 1989.

6) GP feels that discharge of a hazardous substance as defined under the New Jersey Spill, Compensation and Control Act did not occur.

ATTACHMENT NN-6

ATTACHMENT X

Let's protect our earth

Lynch

MAR 9 11 15 AM '90

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
Trenton, N.J. 08625-0029

Eric J. Evenson
Acting Director

(609) 292-1637
Fax # (609) 984-7938

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Bob Scherr
General Plastics Corp.
55 La France Avenue
Bloomfield, New Jersey 07003

FEB 28 1990

Dear Mr. Scherr:

Re: General Plastics Corp.
Bloomfield, Essex County, NJPDES No. NJ0029173
NJPDES PERMIT TERMINATION

Enclosed is a draft TERMINATION notice concerning the Discharge Activity Code "C", "Thermal Surface Water Discharge", previously authorized under a valid New Jersey Pollutant Discharge Elimination System (NJPDES) Permit issued pursuant to N.J.A.C. 7:14A-1 et seq. The New Jersey Department of Environmental Protection (Department) has determined that the permittee has satisfied the requirements of NJPDES/DSW Permit NJ0029173 issued on October 30, 1981. Therefore, the Department intends to re-classify the Discharge to Surface Water as being inactive, pursuant to N.J.A.C. 7:14A-7.5 (c). The permittee will be notified in writing by the Department of the completion of formal termination proceedings.

The appearance of a public notice in a local newspaper marks the commencement of the mandatory 30-day public comment period required by N.J.A.C. 7:14A-8.1. During this period, both the permittee and interested persons may offer comments regarding the terms and conditions of this draft termination. All comments from the permittee shall be submitted in writing via certified mail, return receipt requested, to:

John F. Fields, Acting Assistant Director
Wastewater Facilities Management Element
Division of Water Resources
CN-029
Trenton, New Jersey 08625

If you have any questions on this action, please contact Christine Lomack, at (609) 292-4860.

Sincerely,

Robert Oberthaler, Chief
Bureau of Industrial Discharge Permits

WFM341

Enclosure
c: Final Permit Distribution List

ATTACHMENT X-2

ATTACHMENT Y

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Atlantic, Inc.
Thorofare Division
100 Grove Road, P.O. Box 248
Thorofare, NJ 08086
Tel: (609) 848-3939
Fax: (609) 848-9195

Formerly: NET Mid-Atlantic, Inc.

FOR:

NJDEP

65 Prospect Street
Trenton, NJ 08618

Attention: Frank Sorce

Report #: 90-2541
Date: November 7, 1990

NET Atlantic, Inc.

Approved and released by:

Kenneth Bond
Laboratory Manager

Review and approval of
technical data by:

Doug Weiler
Project Manager

ATTACHMENT Y-1

ANALYTICAL DATA REPORT PACKAGE
FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NEW JERSEY 08625

CASE NAME:_____

CASE NUMBER:_____

Field Sample Numbers	Laboratory Sample Numbers	Sample Location	Date and Time of Collection
FIELD BLANK	47099	FIELD BLANK	0920 9/7/90
BSA09070096	47100	SOIL 12	1000 9/7/90
BSA09070095	47101	SOIL 11	1015 9/7/90
BSA09070085	47102	SOIL 1	1020 9/7/90
BSA09070086	47103	SOIL 2	1130 9/7/90
BSA09070087	47104	SOIL 3	1135 9/7/90
BSA09070088	47105	SOIL 4	1235 9/7/90
BSA09070094	47106	SOIL 10	1035 9/7/90
BSA09070089	47107	SOIL 5	1215 9/7/90
BSA09070090	47108	SOIL 6	1200 9/7/90
BSA09070091	47109	SOIL 7	1215 9/7/90
BSA09070092	47110	SOIL 8	1110 9/7/90
BSA09070093	47111	SOIL 9	1050 9/7/90

LABORATORY NAME: NET Atlantic, Inc.

NJDEP CERTIFICATION NUMBER: 08153
(IF APPLICABLE)

LABORATORY PROJECT MANAGER: Doug Weiler
(PRINT)

LABORATORY PROJECT MANAGER: _____
(SIGNATURE)

LABORATORY REPORTS MANAGER: Kenneth Bond
(PRINT)

LABORATORY REPORTS MANAGER: _____
(SIGNATURE)

DATE SUBMITTED: 11/7/90

ATTACHMENT Y-2

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ATTACHMENT V-3

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

47099

Lab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D6035

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 100. Date Analyzed: 9/13/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

000042

FORM I VOA 1/87 Rev.

ATTACHMENT Y-4

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47100

ab Name: NET Contract:

ab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

ample wt/vol: 5.0 (g/mL) G Lab File ID: E0478

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 8. Date Analyzed: 9/17/90

olumn: (pack/cap) PACK Dilution Factor: 1.00

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	3.	BJ
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

ATTACHMENT Y-5

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

47101

ab Name: NET Contract:

ab Code: NET Case No.: SAS No.: SDG No.: 47099

atrix: (soil/water) SOIL Lab Sample ID:

ample wt/vol: 5.0 (g/mL) G Lab File ID: E0479

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 9. Date Analyzed: 9/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	5.	U
67-64-1	Acetone	3.	J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

ATTACHMENT V-6

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47102

Lab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5997

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 8. Date Analyzed: 9/11/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	6.	B
67-64-1	Acetone	45.	B
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

ATTACHMENT Y-7

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47103

Lab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5998

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 20. Date Analyzed: 9/11/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	5.	BJ
67-64-1	Acetone	51.	B
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	71.	
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	4.	BJ
71-55-6	1,1,1-Trichloroethane	6.	J
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	13.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	140.	
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	Trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	2.	J
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

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ATTACHMENT V-8

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47103

ab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

atrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D5998

_evel: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 20. Date Analyzed: 9/11/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 01 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75694	trichlorofluoromethane	8.75	13.	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
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30.					

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ATTACHMENT Y-9

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47104

Lab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D6001

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 10. Date Analyzed: 9/11/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	4.	BJ
67-64-1	Acetone	43.	B
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	Trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

ATTACHMENT V-10

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47105

ab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

ample wt/vol: 5.0 (g/mL) G Lab File ID: D6003

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 7. Date Analyzed: 9/11/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	5.	BJ
67-64-1	Acetone	45.	B
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	8.	
67-66-3	Chloroform	2.	J
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	42.	
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	1900.	E
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	100.	
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

47105

ab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

atrix: (soil/water) SOIL Lab Sample ID:

ample wt/vol: 5.0 (g/mL) G Lab File ID: E0485

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 7. Date Analyzed: 9/17/90

Column: (pack/cap) PACK Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	54.	U
74-83-9	Bromomethane	54.	U
75-01-4	Vinyl Chloride	54.	U
75-00-3	Chloroethane	54.	U
75-09-2	Methylene Chloride	27.	U
67-64-1	Acetone	19.	J
75-15-0	Carbon Disulfide	27.	U
75-35-4	1,1-Dichloroethene	27.	U
75-34-3	1,1-Dichloroethane	27.	U
540-59-0	1,2-Dichloroethene (total)	27.	U
67-66-3	Chloroform	27.	U
107-06-2	1,2-Dichloroethane	27.	U
78-93-3	2-Butanone	54.	U
71-55-6	1,1,1-Trichloroethane	27.	U
56-23-5	Carbon Tetrachloride	27.	U
108-05-4	Vinyl Acetate	54.	U
75-27-4	Bromodichloromethane	27.	U
78-87-5	1,2-Dichloropropane	27.	U
10061-01-5	cis-1,3-Dichloropropene	27.	U
79-01-6	Trichloroethene	2100.	E
124-48-1	Dibromochloromethane	27.	U
79-00-5	1,1,2-Trichloroethane	27.	U
71-43-2	Benzene	27.	U
10061-02-6	Trans-1,3-Dichloropropene	27.	U
75-25-2	Bromoform	27.	U
108-10-1	4-Methyl-2-Pentanone	54.	U
591-78-6	2-Hexanone	54.	U
127-18-4	Tetrachloroethene	68.	
79-34-5	1,1,2,2-Tetrachloroethane	27.	U
108-88-3	Toluene	27.	U
108-90-7	Chlorobenzene	27.	U
100-41-4	Ethylbenzene	27.	U
100-42-5	Styrene	27.	U
1330-20-7	Xylene (total)	27.	U

ATTACHMENT V-12

VOLATILE ORGANICS ANALYSIS DATA SHEET

47106

Lab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E0480

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 7. Date Analyzed: 9/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	5.	U
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

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ATTACHMENT V-13

VOLATILE ORGANICS ANALYSIS DATA SHEET

47107

ab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

atrix: (soil/water) SOIL Lab Sample ID:

ample wt/vol: 5.0 (g/mL) G Lab File ID: E0481

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 9. Date Analyzed: 9/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	3.	BJ
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	56.	
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

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ATTACHMENT V-14

VOLATILE ORGANICS ANALYSIS DATA SHEET

47108

ab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

atrix: (soil/water) SOIL Lab Sample ID:

ample wt/vol: 5.0 (g/mL) G Lab File ID: D6006

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 12. Date Analyzed: 9/11/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	6.	U
67-64-1	Acetone	44.	B
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	66.	
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	Trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	15.	
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

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ATTACHMENT Y-15

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47108

Lab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D6006

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. Date Analyzed: 9/11/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: ~~0~~ 1 10-4-90

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75694	trichlorofluoromethane	8.75	6.	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
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26.					
27.					
28.					
29.					
30.					

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ATTACHMENT V-16

VOLATILE ORGANICS ANALYSIS DATA SHEET

47109

Lab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E0484

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 6. Date Analyzed: 9/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	5.	U
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

000121

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ATTACHMENT Y-17

VOLATILE ORGANICS ANALYSIS DATA SHEET

47110

Lab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E0483

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 10. Date Analyzed: 9/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	6.	U
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	Trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

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ATTACHMENT V-18

VOLATILE ORGANICS ANALYSIS DATA SHEET

47111

Lab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E0482

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 12. Date Analyzed: 9/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	4.	BJ
67-64-1	Acetone	5.	J
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	Trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

ATTACHMENT V-19

VOLATILE ORGANICS ANALYSIS DATA SHEET

47103MSD

ab Name: NET Contract:

Lab Code: NET Case No.: SAS No.: SDG No.: 47099

atrix: (soil/water) SOIL Lab Sample ID:

ample wt/vol: 5.0 (g/mL) G Lab File ID: D6004

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 20. Date Analyzed: 9/11/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	8.	B
67-64-1	Acetone	38.	B
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene		
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	60.	
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	BJ
71-55-6	1,1,1-Trichloroethane	4.	J
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	13.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene		
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene		
10061-02-6	Trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene		
108-90-7	Chlorobenzene		
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

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ATTACHMENT V-20

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Lab File ID: F2221 Lab Sample ID:

Date Extracted: 9/12/90 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed: 9/28/90 Time Analyzed: 1:50

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 7003

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	47103MSD		F2225	9/28/90
2	47107		F2233	9/28/90
3	47100		F2234	9/28/90
4	47106		F2236	9/28/90
5	47103MS		F2240	10/ 1/90
6	47109		F2241	10/ 1/90
7	47103		F2242	10/ 1/90
8	47108		F2243	10/ 1/90
9	47104		F2245	10/ 1/90
10	47101		F2246	10/ 1/90
11	47111		F2247	10/ 1/90
12	47110		F2248	10/ 1/90
13	47105		F2249	10/ 1/90
14				
15				
16				
17				
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30				

COMMENTS:

FORM IV SV

1/87 Rev.

ATTACHMENT Y.21

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Lab File ID: F2304 Lab Sample ID:

Date Extracted: 10/ 3/90 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed: 10/ 4/90 Time Analyzed: 18:20

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 7003

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	47102		F2305	10/ 4/90
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
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COMMENTS:

FORM IV SV

1/87 Rev.

ATTACHMENT Y-22

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47099

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F2230

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-Chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

000241

ATTACHMENT Y-23

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47099

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F2230

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

FORM I SV-2 1/87 Rev.

ATTACHMENT Y-2

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47100

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2234

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 8. dec. 8. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360.	U
111-44-4	bis(2-Chloroethyl)ether	360.	U
95-57-8	2-Chlorophenol	360.	U
541-73-1	1,3-Dichlorobenzene	360.	U
106-46-7	1,4-Dichlorobenzene	360.	U
100-51-6	Benzyl alcohol	360.	U
95-50-1	1,2-Dichlorobenzene	360.	U
95-48-7	2-Methylphenol	360.	U
39638-32-9	bis(2-Chloroisopropyl)ether	360.	U
106-44-5	4-Methylphenol	360.	U
621-64-7	N-Nitroso-di-n-propylamine	360.	U
67-72-1	Hexachloroethane	360.	U
98-95-3	Nitrobenzene	360.	U
78-59-1	Isophorone	360.	U
88-75-5	2-Nitrophenol	360.	U
105-67-9	2,4-Dimethylphenol	360.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	360.	U
120-83-2	2,4-Dichlorophenol	360.	U
120-82-1	1,2,4-Trichlorobenzene	360.	U
91-20-3	Naphthalene	360.	U
106-47-8	4-Chloroaniline	360.	U
87-68-3	Hexachlorobutadiene	360.	U
59-50-7	4-Chloro-3-methylphenol	360.	U
91-57-6	2-Methylnaphthalene	360.	U
77-47-4	Hexachlorocyclopentadiene	360.	U
88-06-2	2,4,6-Trichlorophenol	360.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	360.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	360.	U
208-96-8	Acenaphthylene	360.	U
606-20-2	2,6-Dinitrotoluene	360.	U

000258

ATTACHMENT V-25.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47100

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2234

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 8. dec. 8. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	39.	J
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	360.	U
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	360.	U
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	31.	J
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	340.	J
120-12-7	Anthracene	64.	J
84-74-2	Di-n-butylphthalate	75.	BJ
206-44-0	Fluoranthene	510.	
129-00-0	Pyrene	320.	J
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	720.	U
56-55-3	Benzo(a)anthracene	200.	J
218-01-9	Chrysene	270.	J
117-81-7	bis(2-Ethylhexyl)phthalate	150.	J
117-84-0	Di-n-octylphthalate	360.	U
205-99-2	Benzo(b)fluoranthene	190.	J
207-08-9	Benzo(k)fluoranthene	150.	J
50-32-8	Benzo(a)pyrene	150.	J
193-39-5	Indeno(1,2,3-cd)pyrene	160.	J
53-70-3	Dibenz(a,h)anthracene	360.	U
191-24-2	Benzo(g,h,i)perylene	140.	J

(1) - Cannot be separated from diphenylamine

ATTACHMENT Y-26

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47100

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2234

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 8. dec. 8. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	3.08	200.	J
2.	- -	UNKNOWN	4.43	5000.	J
3.	17312-81-1	Undecane, 3,5-dimethyl- (8CI	13.97	200.	J
4.	62238-12-4	Decane, 2,3,6-trimethyl- (9C	15.71	400.	J
5.	17312-82-2	Undecane, 4,6-dimethyl- (8CI	16.75	300.	J
6.	629-62-9	Pentadecane (8CI9CI)	17.35	400.	J
7.	544-76-3	Hexadecane (8CI9CI)	18.90	300.	J
8.	55373-86-9	Docosane, 7-hexyl- (9CI)	19.63	100.	J
9.	54833-48-6	Heptadecane, 2,6,10,15-tetra	20.37	300.	J
10.	1921-70-6	Pentadecane, 2,6,10,14-tetra	20.46	300.	J
11.	- -	UNKNOWN	25.96	200.	J
12.	- -	UNKNOWN	29.94	200.	J
13.	- -	UNKNOWN	32.04	200.	J
14.	- -	UNKNOWN	33.12	100.	J
15.	- -	UNKNOWN	33.89	200.	J
16.	7098-22-8	Tetratetracontane (8CI9CI)	35.36	800.	J
17.	- -	UNKNOWN	38.83	200.	J
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ATTACHMENT Y-27

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47101

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2246

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 9. dec. 9. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

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
100-51-6	Benzyl alcohol	370.	U
95-50-1	1,2-Dichlorobenzene	370.	U
95-48-7	2-Methylphenol	370.	U
39638-32-9	bis(2-Chloroisopropyl)ether	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
65-85-0	Benzoic acid	1800.	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	1800.	U
91-58-7	2-Chloronaphthalene	370.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	370.	U
208-96-8	Acenaphthylene	370.	U
606-20-2	2,6-Dinitrotoluene	370.	U

ATTACHMENT Y-28

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47101

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2246

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 9. dec. 9. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	45.	J
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	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	40.	J
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	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	1800.	U
85-01-8	Phenanthrene	630.	
120-12-7	Anthracene	140.	J
84-74-2	Di-n-butylphthalate	26.	BJ
206-44-0	Fluoranthene	970.	
129-00-0	Pyrene	880.	
85-68-7	Butylbenzylphthalate	370.	U
91-94-1	3,3'-Dichlorobenzidine	730.	U
56-55-3	Benzo(a)anthracene	540.	
218-01-9	Chrysene	570.	
117-81-7	bis(2-Ethylhexyl)phthalate	1100.	
117-84-0	Di-n-octylphthalate	370.	U
205-99-2	Benzo(b)fluoranthene	440.	
207-08-9	Benzo(k)fluoranthene	330.	J
50-32-8	Benzo(a)pyrene	430.	
193-39-5	Indeno(1,2,3-cd)pyrene	380.	
53-70-3	Dibenz(a,h)anthracene	48.	J
191-24-2	Benzo(g,h,i)perylene	290.	J

(1) - Cannot be separated from diphenylamine

FORM I SV-2

1/87 Rev.

ATTACHMENT Y-29

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47101

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2246

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 9. dec. 9. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	3.10	200.	J
2.	- -	UNKNOWN	4.43	6000.	J
3.	- -	UNKNOWN	23.42	200.	J
4.	192-97-2	Benzo[e]pyrene (8CI9CI)	33.03	200.	J
5.	205-82-3	Benzo[j]fluoranthene (8CI9CI	33.45	400.	J
6.	6418-46-8	Eicosane, 3-methyl- (8CI9CI)	35.38	300.	J
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ATTACHMENT Y-3C

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47102

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2305

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 8. dec. 8. Date Extracted: 10/ 3/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 4/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360.	U
111-44-4	bis(2-Chloroethyl)ether	360.	U
95-57-8	2-Chlorophenol	360.	U
541-73-1	1,3-Dichlorobenzene	360.	U
106-46-7	1,4-Dichlorobenzene	360.	U
100-51-6	Benzyl alcohol	360.	U
95-50-1	1,2-Dichlorobenzene	360.	U
95-48-7	2-Methylphenol	360.	U
39638-32-9	bis(2-Chloroisopropyl)ether	360.	U
106-44-5	4-Methylphenol	360.	U
621-64-7	N-Nitroso-di-n-propylamine	360.	U
67-72-1	Hexachloroethane	360.	U
98-95-3	Nitrobenzene	360.	U
78-59-1	Isophorone	360.	U
88-75-5	2-Nitrophenol	360.	U
105-67-9	2,4-Dimethylphenol	360.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	360.	U
120-83-2	2,4-Dichlorophenol	360.	U
120-82-1	1,2,4-Trichlorobenzene	360.	U
91-20-3	Naphthalene	360.	U
106-47-8	4-Chloroaniline	360.	U
87-68-3	Hexachlorobutadiene	360.	U
59-50-7	4-Chloro-3-methylphenol	360.	U
91-57-6	2-Methylnaphthalene	360.	U
77-47-4	Hexachlorocyclopentadiene	360.	U
88-06-2	2,4,6-Trichlorophenol	360.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	360.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	360.	U
208-96-8	Acenaphthylene	360.	U
606-20-2	2,6-Dinitrotoluene	360.	U

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ATTACHMENT Y-31

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47102

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2305

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 8. dec. 8. Date Extracted: 10/ 3/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 4/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	360.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	360.	U
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	360.	U
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	360.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	360.	U
120-12-7	Anthracene	360.	U
84-74-2	Di-n-butylphthalate	360.	U
206-44-0	Fluoranthene	71.	J
129-00-0	Pyrene	55.	J
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	720.	U
56-55-3	Benzo(a)anthracene	360.	U
218-01-9	Chrysene	44.	J
117-81-7	bis(2-Ethylhexyl)phthalate	360.	U
117-84-0	Di-n-octylphthalate	360.	U
205-99-2	Benzo(b)fluoranthene	360.	U
207-08-9	Benzo(k)fluoranthene	360.	U
50-32-8	Benzo(a)pyrene	360.	U
193-39-5	Indeno(1,2,3-cd)pyrene	360.	U
53-70-3	Dibenz(a,h)anthracene	360.	U
191-24-2	Benzo(g,h,i)perylene	360.	U

(1) - Cannot be separated from diphenylamine

FORM I SV-2

1/87 Rev.

ATTACHMENT Y-32

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47102

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2305

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 8. dec. 8. Date Extracted: 10/ 3/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 4/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	4.11	5000.	J
2. - -	UNKNOWN	34.78	200.	J
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FORM I SV-TIC 1/87 Rev.

ATTACHMENT Y-33

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47103

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2242

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 20. dec. 20. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420.	U
111-44-4	bis(2-Chloroethyl)ether	420.	U
95-57-8	2-Chlorophenol	420.	U
541-73-1	1,3-Dichlorobenzene	420.	U
106-46-7	1,4-Dichlorobenzene	420.	U
100-51-6	Benzyl alcohol	420.	U
95-50-1	1,2-Dichlorobenzene	420.	U
95-48-7	2-Methylphenol	420.	U
39638-32-9	bis(2-Chloroisopropyl)ether	420.	U
106-44-5	4-Methylphenol	420.	U
621-64-7	N-Nitroso-di-n-propylamine	420.	U
67-72-1	Hexachloroethane	420.	U
98-95-3	Nitrobenzene	420.	U
78-59-1	Isophorone	420.	U
88-75-5	2-Nitrophenol	420.	U
105-67-9	2,4-Dimethylphenol	420.	U
65-85-0	Benzoic acid	2100.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U
120-83-2	2,4-Dichlorophenol	420.	U
120-82-1	1,2,4-Trichlorobenzene	420.	U
91-20-3	Naphthalene	37.	J
106-47-8	4-Chloroaniline	420.	U
87-68-3	Hexachlorobutadiene	420.	U
59-50-7	4-Chloro-3-methylphenol	420.	U
91-57-6	2-Methylnaphthalene	27.	J
77-47-4	Hexachlorocyclopentadiene	420.	U
88-06-2	2,4,6-Trichlorophenol	420.	U
95-95-4	2,4,5-Trichlorophenol	2100.	U
91-58-7	2-Chloronaphthalene	420.	U
88-74-4	2-Nitroaniline	2100.	U
131-11-3	Dimethylphthalate	420.	U
208-96-8	Acenaphthylene	420.	U
606-20-2	2,6-Dinitrotoluene	420.	U

000378

ATTACHMENT Y-34

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47103

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2242

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 20. dec. 20. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100.	U
83-32-9	Acenaphthene	420.	U
51-28-5	2,4-Dinitrophenol	2100.	U
100-02-7	4-Nitrophenol	2100.	U
132-64-9	Dibenzofuran	420.	U
121-14-2	2,4-Dinitrotoluene	420.	U
84-66-2	Diethylphthalate	420.	U
7005-72-3	4-Chlorophenyl-phenylether	420.	U
86-73-7	Fluorene	420.	U
100-01-6	4-Nitroaniline	2100.	U
534-52-1	4,6-Dinitro-2-methylphenol	2100.	U
86-30-6	N-Nitrosodiphenylamine (1)	420.	U
101-55-3	4-Bromophenyl-phenylether	420.	U
118-74-1	Hexachlorobenzene	420.	U
87-86-5	Pentachlorophenol	2100.	U
85-01-8	Phenanthrene	140.	J
120-12-7	Anthracene	420.	U
84-74-2	Di-n-butylphthalate	420.	U
206-44-0	Fluoranthene	160.	J
129-00-0	Pyrene	180.	J
85-68-7	Butylbenzylphthalate	420.	U
91-94-1	3,3'-Dichlorobenzidine	830.	U
56-55-3	Benzo(a)anthracene	420.	U
218-01-9	Chrysene	130.	J
117-81-7	bis(2-Ethylhexyl)phthalate	420.	U
117-84-0	Di-n-octylphthalate	420.	U
205-99-2	Benzo(b)fluoranthene	160.	J
207-08-9	Benzo(k)fluoranthene	420.	U
50-32-8	Benzo(a)pyrene	51.	J
193-39-5	Indeno(1,2,3-cd)pyrene	420.	U
53-70-3	Dibenz(a,h)anthracene	420.	U
191-24-2	Benzo(g,h,i)perylene	420.	U

(1) - Cannot be separated from diphenylamine

ATTACHMENT Y-35

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47103

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2242

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 20. dec. 20. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	3.09	200.	J
2.	4127-47-3	Cyclopropane, 1,1,2,2-tetram	3.57	200.	J
3.	- -	UNKNOWN	4.48	10000.	J
4.	- -	UNKNOWN	4.51	300.	J
5.	2415-72-7	Cyclopropane, propyl- (9CI)	5.07	700.	J
6.	- -	UNKNOWN	7.77	200.	J
7.	819-97-6	Butanoic acid, 1-methylpropy	7.88	200.	J
8.	- -	UNKNOWN	11.92	400.	J
9.	6378-65-0	Hexanoic acid, hexyl ester (	15.47	300.	J
10.	10544-50-0	Sulfur, mol. (S8) (8CI9CI)	24.92	2000.	J
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12.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47104

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2245

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 10. dec. 10. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

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
100-51-6	Benzyl alcohol	370.	U
95-50-1	1,2-Dichlorobenzene	370.	U
95-48-7	2-Methylphenol	370.	U
39638-32-9	bis(2-Chloroisopropyl)ether	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
65-85-0	Benzoic acid	1900.	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	1900.	U
91-58-7	2-Chloronaphthalene	370.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	370.	U
208-96-8	Acenaphthylene	370.	U
606-20-2	2,6-Dinitrotoluene	370.	U

000350

ATTACHMENT Y-37

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47104

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2245

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 10. dec. 10. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	370.	U
51-28-5	2,4-Dinitrophenol	1900.	U
100-02-7	4-Nitrophenol	1900.	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	1900.	U
534-52-1	4,6-Dinitro-2-methylphenol	1900.	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	1900.	U
85-01-8	Phenanthrene	160.	J
120-12-7	Anthracene	31.	J
84-74-2	Di-n-butylphthalate	520.	B
206-44-0	Fluoranthene	200.	J
129-00-0	Pyrene	220.	J
85-68-7	Butylbenzylphthalate	370.	U
91-94-1	3,3'-Dichlorobenzidine	740.	U
56-55-3	Benzo(a)anthracene	140.	J
218-01-9	Chrysene	170.	J
117-81-7	bis(2-Ethylhexyl)phthalate	73.	J
117-84-0	Di-n-octylphthalate	370.	U
205-99-2	Benzo(b)fluoranthene	220.	J
207-08-9	Benzo(k)fluoranthene	370.	U
50-32-8	Benzo(a)pyrene	100.	J
193-39-5	Indeno(1,2,3-cd)pyrene	120.	J
53-70-3	Dibenz(a,h)anthracene	370.	U
191-24-2	Benzo(g,h,i)perylene	100.	J

(1) - Cannot be separated from diphenylamine

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ATTACHMENT Y-38

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47104

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2245

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 10. dec. 10. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	127-18-4	Ethene, tetrachloro- (9CI)	3.73	400.	J
2.	- -	UNKNOWN	4.42	3000.	J
3.	- -	UNKNOWN	25.01	100.	J
4.	53-19-0	Mitotane (USAN)	28.54	200.	J
5.	112-95-8	Eicosane (8CI9CI)	35.38	300.	J
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ATTACHMENT Y-3C

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47105

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2249

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 7. dec. 7. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360.	U
111-44-4	bis(2-Chloroethyl)ether	360.	U
95-57-8	2-Chlorophenol	360.	U
541-73-1	1,3-Dichlorobenzene	360.	U
106-46-7	1,4-Dichlorobenzene	360.	U
100-51-6	Benzyl alcohol	360.	U
95-50-1	1,2-Dichlorobenzene	360.	U
95-48-7	2-Methylphenol	360.	U
39638-32-9	bis(2-Chloroisopropyl)ether	360.	U
106-44-5	4-Methylphenol	360.	U
621-64-7	N-Nitroso-di-n-propylamine	360.	U
67-72-1	Hexachloroethane	360.	U
98-95-3	Nitrobenzene	360.	U
78-59-1	Isophorone	360.	U
88-75-5	2-Nitrophenol	360.	U
105-67-9	2,4-Dimethylphenol	360.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	360.	U
120-83-2	2,4-Dichlorophenol	360.	U
120-82-1	1,2,4-Trichlorobenzene	360.	U
91-20-3	Naphthalene	130.	J
106-47-8	4-Chloroaniline	360.	U
87-68-3	Hexachlorobutadiene	360.	U
59-50-7	4-Chloro-3-methylphenol	360.	U
91-57-6	2-Methylnaphthalene	120.	J
77-47-4	Hexachlorocyclopentadiene	360.	U
88-06-2	2,4,6-Trichlorophenol	360.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	360.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	360.	U
208-96-8	Acenaphthylene	360.	U
606-20-2	2,6-Dinitrotoluene	360.	U

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ATTACHMENT Y-40

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47105

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2249

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 7. dec. 7. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	90.	J
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	72.	J
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	360.	U
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	51.	J
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	830.	
120-12-7	Anthracene	160.	J
84-74-2	Di-n-butylphthalate	380.	B
206-44-0	Fluoranthene	1300.	
129-00-0	Pyrene	1200.	
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	720.	U
56-55-3	Benzo(a)anthracene	950.	
218-01-9	Chrysene	1100.	
117-81-7	bis(2-Ethylhexyl)phthalate	170.	J
117-84-0	Di-n-octylphthalate	360.	U
205-99-2	Benzo(b)fluoranthene	880.	
207-08-9	Benzo(k)fluoranthene	630.	
50-32-8	Benzo(a)pyrene	720.	
193-39-5	Indeno(1,2,3-cd)pyrene	670.	
53-70-3	Dibenz(a,h)anthracene	120.	J
191-24-2	Benzo(g,h,i)perylene	490.	

(1) - Cannot be separated from diphenylamine

ATTACHMENT Y-41

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47105

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2249

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 7. dec. 7. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	127-18-4	Ethene, tetrachloro- (9CI)	3.72	3000.	J
2.	- -	UNKNOWN	4.42	6000.	J
3.	95-47-6	Benzene, 1,2-dimethyl- (9CI)	4.97	800.	J
4.	100-41-4	Benzene, ethyl- (8CI9CI)	5.48	700.	J
5.	1120-21-4	Undecane (8CI9CI)	10.09	600.	J
6.	112-34-5	Ethanol, 2-(2-butoxyethoxy)-	11.88	600.	J
7.	1120-21-4	Undecane (8CI9CI)	12.08	500.	J
8.	112-40-3	Dodecane (8CI9CI)	13.94	600.	J
9.	62108-21-8	Decane, 6-ethyl-2-methyl- (9	15.69	700.	J
10.	630-01-3	Hexacosane (8CI9CI)	17.34	800.	J
11.	544-76-3	Hexadecane (8CI9CI)	18.89	700.	J
12.	74645-98-0	Dodecane, 2,7,10-trimethyl-	20.45	900.	J
13.	- -	UNKNOWN	30.67	2000.	J
14.	- -	UNKNOWN	32.01	2000.	J
15.	- -	UNKNOWN	33.28	3000.	J
16.	- -	UNKNOWN DIMETHYLSILOXANES	34.45	3000.	J
17.	54833-48-6	Heptadecane, 2,6,10,15-tetra	35.37	2000.	J
18.	- -	UNKNOWN DIMETHYLSILOXANES	35.56	3000.	J
19.	- -	UNKNOWN	37.03	2000.	J
20.	83-47-6	.gamma.-Sitosterol	37.55	2000.	J
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ATTACHMENT Y-42

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47106

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2236

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 7. dec. 7. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360.	U
111-44-4	bis(2-Chloroethyl)ether	360.	U
95-57-8	2-Chlorophenol	360.	U
541-73-1	1,3-Dichlorobenzene	360.	U
106-46-7	1,4-Dichlorobenzene	360.	U
100-51-6	Benzyl alcohol	360.	U
95-50-1	1,2-Dichlorobenzene	360.	U
95-48-7	2-Methylphenol	360.	U
39638-32-9	bis(2-Chloroisopropyl)ether	360.	U
106-44-5	4-Methylphenol	360.	U
621-64-7	N-Nitroso-di-n-propylamine	360.	U
67-72-1	Hexachloroethane	360.	U
98-95-3	Nitrobenzene	360.	U
78-59-1	Isophorone	360.	U
88-75-5	2-Nitrophenol	360.	U
105-67-9	2,4-Dimethylphenol	360.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	360.	U
120-83-2	2,4-Dichlorophenol	360.	U
120-82-1	1,2,4-Trichlorobenzene	360.	U
91-20-3	Naphthalene	360.	U
106-47-8	4-Chloroaniline	360.	U
87-68-3	Hexachlorobutadiene	360.	U
59-50-7	4-Chloro-3-methylphenol	360.	U
91-57-6	2-Methylnaphthalene	360.	U
77-47-4	Hexachlorocyclopentadiene	360.	U
88-06-2	2,4,6-Trichlorophenol	360.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	360.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	360.	U
208-96-8	Acenaphthylene	360.	U
606-20-2	2,6-Dinitrotoluene	360.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47106

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2236

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 7. dec. 7. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	360.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	360.	U
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	360.	U
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	360.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	56.	J
120-12-7	Anthracene	360.	U
84-74-2	Di-n-butylphthalate	360.	U
206-44-0	Fluoranthene	88.	J
129-00-0	Pyrene	60.	J
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	720.	U
56-55-3	Benzo(a)anthracene	360.	U
218-01-9	Chrysene	58.	J
117-81-7	bis(2-Ethylhexyl)phthalate	360.	U
117-84-0	Di-n-octylphthalate	360.	U
205-99-2	Benzo(b)fluoranthene	65.	J
207-08-9	Benzo(k)fluoranthene	360.	U
50-32-8	Benzo(a)pyrene	45.	J
193-39-5	Indeno(1,2,3-cd)pyrene	45.	J
53-70-3	Dibenz(a,h)anthracene	360.	U
191-24-2	Benzo(g,h,i)perylene	360.	U

(1) - Cannot be separated from diphenylamine

000424

ATTACHMENT Y-44

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47106

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2236

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 7. dec. 7. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	111-65-9	Octane (DOT)(8CI9CI)	3.59	200.	J
2.	- -	UNKNOWN	4.43	5000.	J
3.	- -	UNKNOWN	4.53	500.	J
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000425

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ATTACHMENT Y.C

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47107

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2233

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 9. dec. 9. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

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
100-51-6	Benzyl alcohol	370.	U
95-50-1	1,2-Dichlorobenzene	370.	U
95-48-7	2-Methylphenol	370.	U
39638-32-9	bis(2-Chloroisopropyl)ether	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
65-85-0	Benzoic acid	1800.	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	83.	J
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	120.	J
77-47-4	Hexachlorocyclopentadiene	370.	U
88-06-2	2,4,6-Trichlorophenol	370.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	370.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	370.	U
208-96-8	Acenaphthylene	370.	U
606-20-2	2,6-Dinitrotoluene	370.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47107

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2233

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 9. dec. 9. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	370.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	37.	J
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	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	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	1800.	U
85-01-8	Phenanthrene	290.	J
120-12-7	Anthracene	33.	J
84-74-2	Di-n-butylphthalate	27.	BJ
206-44-0	Fluoranthene	300.	J
129-00-0	Pyrene	220.	J
85-68-7	Butylbenzylphthalate	370.	U
91-94-1	3,3'-Dichlorobenzidine	730.	U
56-55-3	Benzo(a)anthracene	140.	J
218-01-9	Chrysene	200.	J
117-81-7	bis(2-Ethylhexyl)phthalate	370.	U
117-84-0	Di-n-octylphthalate	370.	U
205-99-2	Benzo(b)fluoranthene	220.	J
207-08-9	Benzo(k)fluoranthene	370.	U
50-32-8	Benzo(a)pyrene	100.	J
193-39-5	Indeno(1,2,3-cd)pyrene	88.	J
53-70-3	Dibenz(a,h)anthracene	370.	U
191-24-2	Benzo(g,h,i)perylene	73.	J

(1) - Cannot be separated from diphenylamine

000441

FORM I SV-2 1/87 Rev.

ATTACHMENT 8-4

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47107

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2233

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 9. dec. 9. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	127-18-4	TETRACHLOROETHENE	3.74	2000.	J
2.	- -	UNKNOWN	4.44	5000.	J
3.	17302-28-2	NONANE,2,6DIMETHYL	8.46	200.	J
4.	1120-21-4	UNDECANE	10.11	300.	J
5.	112-40-3	DODECANE	12.11	1000.	J
6.	17301-22-3	UNDECANE,2,5DIMETHYL	12.38	100.	J
7.	62016-34-6	OCTANE237TRIMETHYL	13.48	300.	J
8.	62238-11-3	DECANE235TRIMETHYL	13.97	300.	J
9.	112-40-3	DODECANE	15.72	300.	J
10.	569-41-5	NAPTHALENE18DIMETHYL	16.05	200.	J
11.	54833-48-6	HEPTADECANE261015TETRAMETHYL	16.75	300.	J
12.	629-62-9	PENTADECANE	17.36	300.	J
13.	19218-94-1	TETRADECANE1IODO	18.91	300.	J
14.	- -	UNKNOWN	19.64	200.	J
15.	629-78-7	HEPTADECANE	20.38	4000.	J
16.	1921-70-6	PENTADECANE261014TETRAMETHYL	20.46	400.	J
17.	10544-50-0	SULFUR	24.90	400.	J
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000442

FORM I SV-TIC 1/87 Rev.

ATTACHMENT Y-48

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47108

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2243

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500.	U
111-44-4	bis(2-Chloroethyl)ether	1500.	U
95-57-8	2-Chlorophenol	1500.	U
541-73-1	1,3-Dichlorobenzene	1500.	U
106-46-7	1,4-Dichlorobenzene	1500.	U
100-51-6	Benzyl alcohol	1500.	U
95-50-1	1,2-Dichlorobenzene	1500.	U
95-48-7	2-Methylphenol	1500.	U
39638-32-9	bis(2-Chloroisopropyl)ether	1500.	U
106-44-5	4-Methylphenol	1500.	U
621-64-7	N-Nitroso-di-n-propylamine	1500.	U
67-72-1	Hexachloroethane	1500.	U
98-95-3	Nitrobenzene	1500.	U
78-59-1	Isophorone	1500.	U
88-75-5	2-Nitrophenol	1500.	U
105-67-9	2,4-Dimethylphenol	1500.	U
65-85-0	Benzoic acid	7600.	U
111-91-1	bis(2-Chloroethoxy)methane	1500.	U
120-83-2	2,4-Dichlorophenol	1500.	U
120-82-1	1,2,4-Trichlorobenzene	1500.	U
91-20-3	Naphthalene	1500.	U
106-47-8	4-Chloroaniline	1500.	U
87-68-3	Hexachlorobutadiene	1500.	U
59-50-7	4-Chloro-3-methylphenol	1500.	U
91-57-6	2-Methylnaphthalene	1500.	U
77-47-4	Hexachlorocyclopentadiene	1500.	U
88-06-2	2,4,6-Trichlorophenol	1500.	U
95-95-4	2,4,5-Trichlorophenol	7600.	U
91-58-7	2-Chloronaphthalene	1500.	U
88-74-4	2-Nitroaniline	7600.	U
131-11-3	Dimethylphthalate	1500.	U
208-96-8	Acenaphthylene	1500.	U
606-20-2	2,6-Dinitrotoluene	1500.	U

ATTACHMENT Y-49

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47108

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2243

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	7600.	U
83-32-9	Acenaphthene	1500.	U
51-28-5	2,4-Dinitrophenol	7600.	U
100-02-7	4-Nitrophenol	7600.	U
132-64-9	Dibenzofuran	1500.	U
121-14-2	2,4-Dinitrotoluene	1500.	U
84-66-2	Diethylphthalate	1500.	U
7005-72-3	4-Chlorophenyl-phenylether	1500.	U
86-73-7	Fluorene	1500.	U
100-01-6	4-Nitroaniline	7600.	U
534-52-1	4,6-Dinitro-2-methylphenol	7600.	U
86-30-6	N-Nitrosodiphenylamine (1)	1500.	U
101-55-3	4-Bromophenyl-phenylether	1500.	U
118-74-1	Hexachlorobenzene	1500.	U
87-86-5	Pentachlorophenol	7600.	U
85-01-8	Phenanthrene	640.	J
120-12-7	Anthracene	1500.	U
84-74-2	Di-n-butylphthalate	460.	BJ
206-44-0	Fluoranthene	930.	J
129-00-0	Pyrene	990.	J
85-68-7	Butylbenzylphthalate	1500.	U
91-94-1	3,3'-Dichlorobenzidine	3000.	U
56-55-3	Benzo(a)anthracene	1500.	U
218-01-9	Chrysene	1500.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1500.	U
117-84-0	Di-n-octylphthalate	1500.	U
205-99-2	Benzo(b)fluoranthene	910.	J
207-08-9	Benzo(k)fluoranthene	1500.	U
50-32-8	Benzo(a)pyrene	510.	J
193-39-5	Indeno(1,2,3-cd)pyrene	450.	J
53-70-3	Dibenz(a,h)anthracene	1500.	U
191-24-2	Benzo(g,h,i)perylene	450.	J

000479

(1) - Cannot be separated from diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47108

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2243

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 4.00

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	4.41	10000.	J
2. 38444-81-4	1,1'-Biphenyl, 2,3',5-trichl	22.85	4000.	J
3. 41464-41-9	1,1'-Biphenyl, 2,2',5,6'-tet	23.12	1000.	J
4. 41464-41-9	1,1'-Biphenyl, 2,2',5,6'-tet	23.43	900.	J
5. 26914-33-0	1,1'-Biphenyl, tetrachloro-	23.75	5000.	J
6. 41464-40-8	1,1'-Biphenyl, 2,2',4,5'-tet	23.86	3000.	J
7. 41464-41-9	1,1'-Biphenyl, 2,2',5,6'-tet	24.28	4000.	J
8. 26914-33-0	1,1'-Biphenyl, tetrachloro-	24.36	2000.	J
9. 41464-42-0	1,1'-Biphenyl, 2,3',5,5'-tet	24.58	4000.	J
10. 33284-53-6	1,1'-Biphenyl, 2,3,4,5-tetra	25.16	1000.	J
11. 25429-29-2	1,1'-Biphenyl, pentachloro-	25.37	2000.	J
12. 32598-10-0	1,1'-Biphenyl, 2,3',4,4'-tet	25.77	4000.	J
13. 38380-01-7	1,1'-Biphenyl, 2,2',4,4',5-p	26.07	1000.	J
14. 38380-01-7	1,1'-Biphenyl, 2,2',4,4',5-p	26.58	1000.	J
15. 25429-29-2	1,1'-Biphenyl, pentachloro-	26.83	3000.	J
16. 31508-00-6	1,1'-Biphenyl, 2,3',4,4',5-p	27.45	2000.	J
17. 25429-29-2	1,1'-Biphenyl, pentachloro-	28.07	1000.	J
18. - - -	UNKNOWN	30.67	1000.	J
19. - -	UNKNOWN	32.02	4000.	J
20. - -	UNKNOWN	33.28	3000.	J
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000480

ATTACHMENT Y-51

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47109

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2241

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 6. dec. 6. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350.	U
111-44-4	bis(2-Chloroethyl)ether	350.	U
95-57-8	2-Chlorophenol	350.	U
541-73-1	1,3-Dichlorobenzene	350.	U
106-46-7	1,4-Dichlorobenzene	350.	U
100-51-6	Benzyl alcohol	350.	U
95-50-1	1,2-Dichlorobenzene	350.	U
95-48-7	2-Methylphenol	350.	U
39638-32-9	bis(2-Chloroisopropyl)ether	350.	U
106-44-5	4-Methylphenol	350.	U
621-64-7	N-Nitroso-di-n-propylamine	350.	U
67-72-1	Hexachloroethane	350.	U
98-95-3	Nitrobenzene	350.	U
78-59-1	Isophorone	350.	U
88-75-5	2-Nitrophenol	350.	U
105-67-9	2,4-Dimethylphenol	350.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	350.	U
120-83-2	2,4-Dichlorophenol	350.	U
120-82-1	1,2,4-Trichlorobenzene	350.	U
91-20-3	Naphthalene	350.	U
106-47-8	4-Chloroaniline	350.	U
87-68-3	Hexachlorobutadiene	350.	U
59-50-7	4-Chloro-3-methylphenol	350.	U
91-57-6	2-Methylnaphthalene	20.	J
77-47-4	Hexachlorocyclopentadiene	350.	U
88-06-2	2,4,6-Trichlorophenol	350.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	350.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	350.	U
208-96-8	Acenaphthylene	350.	U
606-20-2	2,6-Dinitrotoluene	350.	U

000513

FORM I SV-1 1/87 Rev.

ATTACHMENT Y-52

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47109

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2241

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 6. dec. 6. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	350.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	350.	U
121-14-2	2,4-Dinitrotoluene	350.	U
84-66-2	Diethylphthalate	350.	U
7005-72-3	4-Chlorophenyl-phenylether	350.	U
86-73-7	Fluorene	350.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	350.	U
101-55-3	4-Bromophenyl-phenylether	350.	U
118-74-1	Hexachlorobenzene	350.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	34.	J
120-12-7	Anthracene	350.	U
84-74-2	Di-n-butylphthalate	28.	BJ
206-44-0	Fluoranthene	30.	J
129-00-0	Pyrene	29.	J
85-68-7	Butylbenzylphthalate	350.	U
91-94-1	3,3'-Dichlorobenzidine	710.	U
56-55-3	Benzo(a)anthracene	350.	U
218-01-9	Chrysene	350.	U
117-81-7	bis(2-Ethylhexyl)phthalate	190.	J
117-84-0	Di-n-octylphthalate	350.	U
205-99-2	Benzo(b)fluoranthene	350.	U
207-08-9	Benzo(k)fluoranthene	350.	U
50-32-8	Benzo(a)pyrene	350.	U
193-39-5	Indeno(1,2,3-cd)pyrene	350.	U
53-70-3	Dibenz(a,h)anthracene	350.	U
191-24-2	Benzo(g,h,i)perylene	350.	U

(1) - Cannot be separated from diphenylamine

000514

ATTACHMENT 1-53

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47109

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2241

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 6. dec. 6. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	4127-47-3	Cyclopropane, 1,1,2,2-tetram	3.56	2000.	J
2.	- -	UNKNOWN	4.80	70000.	J
3.	10570-40-8	4H-1,2,4-Triazole, 4-methyl-	11.01	200.	J
4.	- -	UNKNOWN	11.89	2000.	J
5.	19218-94-1	Tetradecane, 1-iodo- (8CI9CI	15.72	200.	J
6.	54833-48-6	Heptadecane, 2,6,10,15-tetra	16.75	500.	J
7.	17302-32-8	Nonane, 3,7-dimethyl- (8CI9C	17.35	500.	J
8.	2131-42-2	Naphthalene, 1,4,6-trimethyl	18.13	200.	J
9.	55045-10-8	Tridecane, 6-propyl- (9CI)	18.91	500.	J
10.	74645-98-0	Dodecane, 2,7,10-trimethyl-	19.64	500.	J
11.	629-78-7	Heptadecane (8CI9CI)	20.39	500.	J
12.	1921-70-6	Pentadecane, 2,6,10,14-tetra	20.47	900.	J
13.	629-62-9	Pentadecane (8CI9CI)	21.78	500.	J
14.	74645-98-0	Dodecane, 2,7,10-trimethyl-	21.92	600.	J
15.	629-92-5	Nonadecane (8CI9CI)	23.11	400.	J
16.	629-78-7	Heptadecane (8CI9CI)	24.38	400.	J
17.	54833-48-6	Heptadecane, 2,6,10,15-tetra	25.59	200.	J
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000515

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ATTACHMENT Y-54

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47109

ab Name: CENTRY Contract:

Lab Code: CENTRY Case No.: SAS No.: SDG No.: 47099

atrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2241

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 6. dec. 6. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

PC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350.	U
111-44-4	bis(2-Chloroethyl)ether	350.	U
95-57-8	2-Chlorophenol	350.	U
541-73-1	1,3-Dichlorobenzene	350.	U
106-46-7	1,4-Dichlorobenzene	350.	U
100-51-6	Benzyl alcohol	350.	U
95-50-1	1,2-Dichlorobenzene	350.	U
95-48-7	2-Methylphenol	350.	U
39638-32-9	bis(2-Chloroisopropyl)ether	350.	U
106-44-5	4-Methylphenol	350.	U
621-64-7	N-Nitroso-di-n-propylamine	350.	U
67-72-1	Hexachloroethane	350.	U
98-95-3	Nitrobenzene	350.	U
78-59-1	Isophorone	350.	U
88-75-5	2-Nitrophenol	350.	U
105-67-9	2,4-Dimethylphenol	350.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	350.	U
120-83-2	2,4-Dichlorophenol	350.	U
120-82-1	1,2,4-Trichlorobenzene	350.	U
91-20-3	Naphthalene	350.	U
106-47-8	4-Chloroaniline	350.	U
87-68-3	Hexachlorobutadiene	350.	U
59-50-7	4-Chloro-3-methylphenol	350.	U
91-57-6	2-Methylnaphthalene	20.	J
77-47-4	Hexachlorocyclopentadiene	350.	U
88-06-2	2,4,6-Trichlorophenol	350.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	350.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	350.	U
208-96-8	Acenaphthylene	350.	U
606-20-2	2,6-Dinitrotoluene	350.	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47109

Lab Name: CENTRY Contract:

Lab Code: CENTRY Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2241

Level: (low/med) LOW Date Received: 9/28/90

% Moisture: not dec. 6. dec. 6. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	350.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	350.	U
121-14-2	2,4-Dinitrotoluene	350.	U
84-66-2	Diethylphthalate	350.	U
7005-72-3	4-Chlorophenyl-phenylether	350.	U
86-73-7	Fluorene	350.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	350.	U
101-55-3	4-Bromophenyl-phenylether	350.	U
118-74-1	Hexachlorobenzene	350.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	34.	J
120-12-7	Anthracene	350.	U
84-74-2	Di-n-butylphthalate	28.	BJ
206-44-0	Fluoranthene	30.	J
129-00-0	Pyrene	29.	J
85-68-7	Butylbenzylphthalate	350.	U
91-94-1	3,3'-Dichlorobenzidine	710.	U
56-55-3	Benzo(a)anthracene	350.	U
218-01-9	Chrysene	350.	U
117-81-7	bis(2-Ethylhexyl)phthalate	190.	J
117-84-0	Di-n-octylphthalate	350.	U
205-99-2	Benzo(b)fluoranthene	350.	U
207-08-9	Benzo(k)fluoranthene	350.	U
50-32-8	Benzo(a)pyrene	350.	U
193-39-5	Indeno(1,2,3-cd)pyrene	350.	U
53-70-3	Dibenz(a,h)anthracene	350.	U
191-24-2	Benzo(g,h,i)perylene	350.	U

(1) - Cannot be separated from diphenylamine

000517

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ATTACHMENT Y-56

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

47109

Lab Name: CENTRY Contract:

Lab Code: CENTRY Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2241

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 6. dec. 6. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 17

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	4127-47-3	Cyclopropane, 1,1,2,2-tetram	3.56	2000.	J
2.	- -	UNKNOWN	4.80	70000.	J
3.	10570-40-8	4H-1,2,4-Triazole, 4-methyl-	11.01	200.	J
4.	- -	UNKNOWN	11.89	2000.	J
5.	19218-94-1	Tetradecane, 1-iodo- (8CI9CI	15.72	200.	J
6.	54833-48-6	Heptadecane, 2,6,10,15-tetra	16.75	500.	J
7.	17302-32-8	Nonane, 3,7-dimethyl- (8CI9C	17.35	500.	J
8.	2131-42-2	Naphthalene, 1,4,6-trimethyl	18.13	200.	J
9.	55045-10-8	Tridecane, 6-propyl- (9CI)	18.91	500.	J
10.	74645-98-0	Dodecane, 2,7,10-trimethyl-	19.64	500.	J
11.	629-78-7	Heptadecane (8CI9CI)	20.39	500.	J
12.	1921-70-6	Pentadecane, 2,6,10,14-tetra	20.47	900.	J
13.	629-62-9	Pentadecane (8CI9CI)	21.78	500.	J
14.	74645-98-0	Dodecane, 2,7,10-trimethyl-	21.92	600.	J
15.	629-92-5	Nonadecane (8CI9CI)	23.11	400.	J
16.	629-78-7	Heptadecane (8CI9CI)	24.38	400.	J
17.	54833-48-6	Heptadecane, 2,6,10,15-tetra	25.59	200.	J
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000518

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ATTACHMENT V-57

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47110

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2248

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 10. dec. 10. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

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
100-51-6	Benzyl alcohol	370.	U
95-50-1	1,2-Dichlorobenzene	370.	U
95-48-7	2-Methylphenol	370.	U
39638-32-9	bis(2-Chloroisopropyl)ether	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
65-85-0	Benzoic acid	1900.	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	74.	J
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	89.	J
77-47-4	Hexachlorocyclopentadiene	370.	U
88-06-2	2,4,6-Trichlorophenol	370.	U
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	370.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	370.	U
208-96-8	Acenaphthylene	370.	U
606-20-2	2,6-Dinitrotoluene	370.	U

000546

ATTACHMENT Y-58

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47110

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2248

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 10. dec. 10. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	40.	J
51-28-5	2,4-Dinitrophenol	1900.	U
100-02-7	4-Nitrophenol	1900.	U
132-64-9	Dibenzofuran	97.	J
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	61.	J
100-01-6	4-Nitroaniline	1900.	U
534-52-1	4,6-Dinitro-2-methylphenol	1900.	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	1900.	U
85-01-8	Phenanthrene	850.	
120-12-7	Anthracene	82.	J
84-74-2	Di-n-butylphthalate	97.	BJ
206-44-0	Fluoranthene	1100.	
129-00-0	Pyrene	830.	
85-68-7	Butylbenzylphthalate	370.	U
91-94-1	3,3'-Dichlorobenzidine	740.	U
56-55-3	Benzo(a)anthracene	480.	
218-01-9	Chrysene	650.	
117-81-7	bis(2-Ethylhexyl)phthalate	370.	U
117-84-0	Di-n-octylphthalate	370.	U
205-99-2	Benzo(b)fluoranthene	890.	
207-08-9	Benzo(k)fluoranthene	370.	U
50-32-8	Benzo(a)pyrene	410.	
193-39-5	Indeno(1,2,3-cd)pyrene	380.	
53-70-3	Dibenz(a,h)anthracene	370.	U
191-24-2	Benzo(g,h,i)perylene	280.	J

(1) - Cannot be separated from diphenylamine

000547

ATTACHMENT Y-59

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47110

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2248

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 10. dec. 10. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	4.44	8000.	J
2.	- -	UNKNOWN	4.53	600.	J
3.	- -	UNKNOWN	4.68	1000.	J
4.	62108-21-8	Decane, 6-ethyl-2-methyl- (9	15.69	300.	J
5.	54833-48-6	Heptadecane, 2,6,10,15-tetra	16.72	300.	J
6.	1120-21-4	Undecane (8CI9CI)	17.33	300.	J
7.	544-76-3	Hexadecane (8CI9CI)	18.89	300.	J
8.	544-76-3	Hexadecane (8CI9CI)	20.36	400.	J
9.	1921-70-6	Pentadecane, 2,6,10,14-tetra	20.44	700.	J
10.	54833-48-6	Heptadecane, 2,6,10,15-tetra	23.08	600.	J
11.	- -	UNKNOWN	23.20	400.	J
12.	- -	UNKNOWN	23.42	500.	J
13.	629-99-2	Pentacosane (8CI9CI)	24.36	400.	J
14.	- -	UNKNOWN	24.89	600.	J
15.	54833-48-6	Heptadecane, 2,6,10,15-tetra	25.57	600.	J
16.	- -	UNKNOWN	26.94	600.	J
17.	1235-74-1	1-Phenanthrenecarboxylic aci	28.43	1000.	J
18.	- -	UNKNOWN	28.66	400.	J
19.	- -	UNKNOWN	28.77	800.	J
20.	- -	UNKNOWN	28.91	400.	J
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ATTACHMENT 1-6a

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47111

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2247

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380.	U
111-44-4	bis(2-Chloroethyl)ether	380.	U
95-57-8	2-Chlorophenol	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
100-51-6	Benzyl alcohol	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
39638-32-9	bis(2-Chloroisopropyl)ether	380.	U
106-44-5	4-Methylphenol	380.	U
621-64-7	N-Nitroso-di-n-propylamine	380.	U
67-72-1	Hexachloroethane	380.	U
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
65-85-0	Benzoic acid	1900.	U
111-91-1	bis(2-Chloroethoxy)methane	380.	U
120-83-2	2,4-Dichlorophenol	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	65.	J
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-methylphenol	380.	U
91-57-6	2-Methylnaphthalene	44.	J
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	380.	U
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	39.	J
606-20-2	2,6-Dinitrotoluene	380.	U

ATTACHMENT V-61

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47111

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2247

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	380.	U
51-28-5	2,4-Dinitrophenol	1900.	U
100-02-7	4-Nitrophenol	1900.	U
132-64-9	Dibenzofuran	42.	J
121-14-2	2,4-Dinitrotoluene	380.	U
84-66-2	Diethylphthalate	380.	U
7005-72-3	4-Chlorophenyl-phenylether	380.	U
86-73-7	Fluorene	46.	J
100-01-6	4-Nitroaniline	1900.	U
534-52-1	4,6-Dinitro-2-methylphenol	1900.	U
86-30-6	N-Nitrosodiphenylamine (1)	380.	U
101-55-3	4-Bromophenyl-phenylether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	1900.	U
85-01-8	Phenanthrene	820.	
120-12-7	Anthracene	92.	J
84-74-2	Di-n-butylphthalate	35.	BJ
206-44-0	Fluoranthene	1600.	
129-00-0	Pyrene	1300.	
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	760.	U
56-55-3	Benzo(a)anthracene	730.	
218-01-9	Chrysene	1100.	
117-81-7	bis(2-Ethylhexyl)phthalate	380.	U
117-84-0	Di-n-octylphthalate	380.	U
205-99-2	Benzo(b)fluoranthene	1000.	
207-08-9	Benzo(k)fluoranthene	540.	
50-32-8	Benzo(a)pyrene	670.	
193-39-5	Indeno(1,2,3-cd)pyrene	600.	
53-70-3	Dibenz(a,h)anthracene	97.	J
191-24-2	Benzo(g,h,i)perylene	98.	J

(1) - Cannot be separated from diphenylamine

ATTACHMENT 1-62

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

47111

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2247

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75-91-2	Hydroperoxide, 1,1-dimethyle	4.44	10000.	J
2.	- -	UNKNOWN	4.61	500.	J
3.	- -	UNKNOWN	4.72	600.	J
4.	62016-34-6	Octane, 2,3,7-trimethyl- (9C	13.44	200.	J
5.	54833-48-6	Heptadecane, 2,6,10,15-tetra	16.72	200.	J
6.	62238-11-3	Decane, 2,3,5-trimethyl- (9C	17.33	200.	J
7.	629-50-5	Tridecane (8CI9CI)	18.89	200.	J
8.	629-78-7	Heptadecane (8CI9CI)	20.36	300.	J
9.	1921-70-6	Pentadecane, 2,6,10,14-tetra	20.44	400.	J
10.	- -	UNKNOWN	23.09	300.	J
11.	- -	UNKNOWN	24.09	300.	J
12.	10544-50-0	Sulfur, mol. (S8) (8CI9CI)	24.90	2000.	J
13.	- -	UNKNOWN	27.00	300.	J
14.	- -	UNKNOWN	28.90	200.	J
15.	- -	UNKNOWN	28.99	200.	J
16.	2498-77-3	Benz[a]anthracene, 1-methyl-	30.91	200.	J
17.	54833-48-6	Heptadecane, 2,6,10,15-tetra	35.36	500.	J
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ATTACHMENT V-63

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47111

ab Name: CENTRY Contract:

Lab Code: CENTRY Case No.: SAS No.: SDG No.: 47099

atrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G ab File ID: F2247

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

PC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380.	U
111-44-4	bis(2-Chloroethyl)ether	380.	U
95-57-8	2-Chlorophenol	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
100-51-6	Benzyl alcohol	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
39638-32-9	bis(2-Chloroisopropyl)ether	380.	U
106-44-5	4-Methylphenol	380.	U
621-64-7	N-Nitroso-di-n-propylamine	380.	U
67-72-1	Hexachloroethane	380.	U
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
65-85-0	Benzoic acid	1900.	U
111-91-1	bis(2-Chloroethoxy)methane	380.	U
120-83-2	2,4-Dichlorophenol	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	65.	J
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-methylphenol	380.	U
91-57-6	2-Methylnaphthalene	44.	J
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	380.	U
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	39.	J
606-20-2	2,6-Dinitrotoluene	380.	U

ATTACHMENT Y-64

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47111

Lab Name: CENTRY Contract:

ab Code: CENTRY Case No.: SAS No.: SDG No.: 47099

atrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2247

evel: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

PC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	380.	U
51-28-5	2,4-Dinitrophenol	1900.	U
100-02-7	4-Nitrophenol	1900.	U
132-64-9	Dibenzofuran	42.	J
121-14-2	2,4-Dinitrotoluene	380.	U
84-66-2	Diethylphthalate	380.	U
7005-72-3	4-Chlorophenyl-phenylether	380.	U
86-73-7	Fluorene	46.	J
100-01-6	4-Nitroaniline	1900.	U
534-52-1	4,6-Dinitro-2-methylphenol	1900.	U
86-30-6	N-Nitrosodiphenylamine (1)	380.	U
101-55-3	4-Bromophenyl-phenylether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	1900.	U
85-01-8	Phenanthrene	820.	
120-12-7	Anthracene	92.	J
84-74-2	Di-n-butylphthalate	35.	BJ
206-44-0	Fluoranthene	1600.	
129-00-0	Pyrene	1300.	
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	760.	U
56-55-3	Benzo(a)anthracene	730.	
218-01-9	Chrysene	1100.	
117-81-7	bis(2-Ethylhexyl)phthalate	380.	U
117-84-0	Di-n-octylphthalate	380.	U
205-99-2	Benzo(b)fluoranthene	1000.	
207-08-9	Benzo(k)fluoranthene	540.	
50-32-8	Benzo(a)pyrene	670.	
193-39-5	Indeno(1,2,3-cd)pyrene	600.	
53-70-3	Dibenz(a,h)anthracene	97.	J
191-24-2	Benzo(g,h,i)perylene	98.	J

(1) - Cannot be separated from diphenylamine

FORM I SV-2 1/87 Rev.

000592

ATTACHMENT V-65

TENTATIVELY IDENTIFIED COMPOUNDS

47111

Lab Name: CENTRY Contract:

Lab Code: CENTRY Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2247

Level: (low/med) LOW Date Received: 9/ 8/90

Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 17 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75-91-2	Hydroperoxide, 1,1-dimethyle	4.44	10000.	J
2.	- -	UNKNOWN	4.61	500.	J
3.	- -	UNKNOWN	4.72	600.	J
4.	62016-34-6	Octane, 2,3,7-trimethyl- (9C	13.44	200.	J
5.	54833-48-6	Heptadecane, 2,6,10,15-tetra	16.72	200.	J
6.	62238-11-3	Decane, 2,3,5-trimethyl- (9C	17.33	200.	J
7.	629-50-5	Tridecane (8CI9CI)	18.89	200.	J
8.	629-78-7	Heptadecane (8CI9CI)	20.36	300.	J
9.	1921-70-6	Pentadecane, 2,6,10,14-tetra	20.44	400.	J
10.	- -	UNKNOWN	23.09	300.	J
11.	- -	UNKNOWN	24.09	300.	J
12.	10544-50-0	Sulfur, mol. (S8) (8CI9CI)	24.90	2000.	J
13.	- -	UNKNOWN	27.00	300.	J
14.	- -	UNKNOWN	28.90	200.	J
15.	- -	UNKNOWN	28.99	200.	J
16.	2498-77-3	Benz[a]anthracene, 1-methyl-	30.91	200.	J
17.	54833-48-6	Heptadecane, 2,6,10,15-tetra	35.36	500.	J
18.					
21.					
24.					
28.					

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ATTACHMENT V-66

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2221

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec. 0. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330.	U
111-44-4	bis(2-Chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
100-51-6	Benzyl alcohol	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
39638-32-9	bis(2-Chloroisopropyl)ether	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	330.	U
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
65-85-0	Benzoic acid	1700.	U
111-91-1	bis(2-Chloroethoxy)methane	330.	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethylphthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK01

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2221

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec. 0. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	330.	U
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	330.	U
121-14-2	2,4-Dinitrotoluene	330.	U
84-66-2	Diethylphthalate	330.	U
7005-72-3	4-Chlorophenyl-phenylether	330.	U
86-73-7	Fluorene	330.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	330.	U
101-55-3	4-Bromophenyl-phenylether	330.	U
118-74-1	Hexachlorobenzene	330.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	330.	U
120-12-7	Anthracene	330.	U
84-74-2	Di-n-butylphthalate	47.	J
206-44-0	Fluoranthene	330.	U
129-00-0	Pyrene	330.	U
85-68-7	Butylbenzylphthalate	330.	U
91-94-1	3,3'-Dichlorobenzidine	670.	U
56-55-3	Benzo(a)anthracene	330.	U
218-01-9	Chrysene	330.	U
117-81-7	bis(2-Ethylhexyl)phthalate	330.	U
117-84-0	Di-n-octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from diphenylamine

000709

ATTACHMENT 4-68

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK01

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2221

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec. 0. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	589-81-1	Heptane, 3-methyl- (8CI9CI)	3.11	200.	J
2.	- -	UNKNOWN	4.43	5000.	J
3.	- -	UNKNOWN	20.84	300.	J
4.					
5.					
6.					
7.					
8.					
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30.					

000720

ATTACHMENT Y-69

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2304

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec. 0. Date Extracted: 10/ 3/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 4/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330.	U
111-44-4	bis(2-Chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
100-51-6	Benzyl alcohol	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
39638-32-9	bis(2-Chloroisopropyl)ether	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	330.	U
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
65-85-0	Benzoic acid	1700.	U
111-91-1	bis(2-Chloroethoxy)methane	330.	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethylphthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U

000719

ATTACHMENT V-7C

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK02

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2304

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec. 0. Date Extracted: 10/ 3/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 4/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	330.	U
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	330.	U
121-14-2	2,4-Dinitrotoluene	330.	U
84-66-2	Diethylphthalate	330.	U
7005-72-3	4-Chlorophenyl-phenylether	330.	U
86-73-7	Fluorene	330.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	330.	U
101-55-3	4-Bromophenyl-phenylether	330.	U
118-74-1	Hexachlorobenzene	330.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	330.	U
120-12-7	Anthracene	330.	U
84-74-2	Di-n-butylphthalate	330.	U
206-44-0	Fluoranthene	330.	U
129-00-0	Pyrene	330.	U
85-68-7	Butylbenzylphthalate	330.	U
91-94-1	3,3'-Dichlorobenzidine	670.	U
56-55-3	Benzo(a)anthracene	330.	U
218-01-9	Chrysene	330.	U
117-81-7	bis(2-Ethylhexyl)phthalate	330.	U
117-84-0	Di-n-octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from diphenylamine

000720

ATTACHMENT Y-71

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F2229

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 100. dec. 0. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-Chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

000726

ATTACHMENT 4-72

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK03

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F2229

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 100. dec. 0. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

000727

FORM I SV-2

1/87 Rev.

ATTACHMENT 1-72

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47103MS

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2240

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 20. dec. 20. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol		
111-44-4	bis(2-Chloroethyl)ether	420.	U
95-57-8	2-Chlorophenol		
541-73-1	1,3-Dichlorobenzene	420.	U
106-46-7	1,4-Dichlorobenzene		
100-51-6	Benzyl alcohol	420.	U
95-50-1	1,2-Dichlorobenzene	420.	U
95-48-7	2-Methylphenol	420.	U
39638-32-9	bis(2-Chloroisopropyl)ether	420.	U
106-44-5	4-Methylphenol	420.	U
621-64-7	N-Nitroso-di-n-propylamine		
67-72-1	Hexachloroethane	420.	U
98-95-3	Nitrobenzene	420.	U
78-59-1	Isophorone	420.	U
88-75-5	2-Nitrophenol	420.	U
105-67-9	2,4-Dimethylphenol	420.	U
65-85-0	Benzoic acid	2100.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U
120-83-2	2,4-Dichlorophenol	420.	U
120-82-1	1,2,4-Trichlorobenzene		
91-20-3	Naphthalene	44.	J
106-47-8	4-Chloroaniline	420.	U
87-68-3	Hexachlorobutadiene	420.	U
59-50-7	4-Chloro-3-methylphenol		
91-57-6	2-Methylnaphthalene	27.	J
77-47-4	Hexachlorocyclopentadiene	420.	U
88-06-2	2,4,6-Trichlorophenol	420.	U
95-95-4	2,4,5-Trichlorophenol	2100.	U
91-58-7	2-Chloronaphthalene	420.	U
88-74-4	2-Nitroaniline	2100.	U
131-11-3	Dimethylphthalate	420.	U
208-96-8	Acenaphthylene	420.	U
606-20-2	2,6-Dinitrotoluene	420.	U

000733

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47103MS

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2240

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 20. dec. 20. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/ 1/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100.	U
83-32-9	Acenaphthene		
51-28-5	2,4-Dinitrophenol	2100.	U
100-02-7	4-Nitrophenol		
132-64-9	Dibenzofuran	20.	J
121-14-2	2,4-Dinitrotoluene		
84-66-2	Diethylphthalate	420.	U
7005-72-3	4-Chlorophenyl-phenylether	420.	U
86-73-7	Fluorene	28.	J
100-01-6	4-Nitroaniline	2100.	U
534-52-1	4,6-Dinitro-2-methylphenol	2100.	U
86-30-6	N-Nitrosodiphenylamine (1)	420.	U
101-55-3	4-Bromophenyl-phenylether	420.	U
118-74-1	Hexachlorobenzene	420.	U
87-86-5	Pentachlorophenol		
85-01-8	Phenanthrene	380.	J
120-12-7	Anthracene	81.	J
84-74-2	Di-n-butylphthalate	22.	BJ
206-44-0	Fluoranthene	710.	
129-00-0	Pyrene		
85-68-7	Butylbenzylphthalate	420.	U
91-94-1	3,3'-Dichlorobenzidine	830.	U
56-55-3	Benzo(a)anthracene	320.	J
218-01-9	Chrysene	390.	J
117-81-7	bis(2-Ethylhexyl)phthalate	420.	U
117-84-0	Di-n-octylphthalate	420.	U
205-99-2	Benzo(b)fluoranthene	260.	J
207-08-9	Benzo(k)fluoranthene	420.	U
50-32-8	Benzo(a)pyrene	130.	J
193-39-5	Indeno(1,2,3-cd)pyrene	110.	J
53-70-3	Dibenz(a,h)anthracene	420.	U
191-24-2	Benzo(g,h,i)perylene	92.	J

(1) - Cannot be separated from diphenylamine

000734

ATTACHMENT 4-75

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47103MSD

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2225

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 20. dec. 20. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol		
111-44-4	bis(2-Chloroethyl)ether	420.	U
95-57-8	2-Chlorophenol		
541-73-1	1,3-Dichlorobenzene	420.	U
106-46-7	1,4-Dichlorobenzene		
100-51-6	Benzyl alcohol	420.	U
95-50-1	1,2-Dichlorobenzene	420.	U
95-48-7	2-Methylphenol	420.	U
39638-32-9	bis(2-Chloroisopropyl)ether	420.	U
106-44-5	4-Methylphenol	420.	U
621-64-7	N-Nitroso-di-n-propylamine		
67-72-1	Hexachloroethane	420.	U
98-95-3	Nitrobenzene	420.	U
78-59-1	Isophorone	420.	U
88-75-5	2-Nitrophenol	420.	U
105-67-9	2,4-Dimethylphenol	420.	U
65-85-0	Benzoic acid	2100.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U
120-83-2	2,4-Dichlorophenol	420.	U
120-82-1	1,2,4-Trichlorobenzene		
91-20-3	Naphthalene	420.	U
106-47-8	4-Chloroaniline	420.	U
87-68-3	Hexachlorobutadiene	420.	U
59-50-7	4-Chloro-3-methylphenol		
91-57-6	2-Methylnaphthalene	420.	U
77-47-4	Hexachlorocyclopentadiene	420.	U
88-06-2	2,4,6-Trichlorophenol	420.	U
95-95-4	2,4,5-Trichlorophenol	2100.	U
91-58-7	2-Chloronaphthalene	420.	U
88-74-4	2-Nitroaniline	2100.	U
131-11-3	Dimethylphthalate	420.	U
208-96-8	Acenaphthylene	420.	U
606-20-2	2,6-Dinitrotoluene	420.	U

000739

ATTACHMENT Y-76

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

47103MSD

Lab Name: NET Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F2225

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 20. dec. 20. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 9/28/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100.	U
83-32-9	Acenaphthene	2100.	U
51-28-5	2,4-Dinitrophenol	420.	U
100-02-7	4-Nitrophenol	420.	U
132-64-9	Dibenzofuran	420.	U
121-14-2	2,4-Dinitrotoluene	420.	U
84-66-2	Diethylphthalate	420.	U
7005-72-3	4-Chlorophenyl-phenylether	420.	U
86-73-7	Fluorene	2100.	U
100-01-6	4-Nitroaniline	2100.	U
534-52-1	4,6-Dinitro-2-methylphenol	420.	U
86-30-6	N-Nitrosodiphenylamine (1)	420.	U
101-55-3	4-Bromophenyl-phenylether	420.	U
118-74-1	Hexachlorobenzene	110.	J
87-86-5	Pentachlorophenol	420.	U
85-01-8	Phenanthrene	420.	U
120-12-7	Anthracene	160.	J
84-74-2	Di-n-butylphthalate	420.	U
206-44-0	Fluoranthene	420.	U
129-00-0	Pyrene	830.	U
85-68-7	Butylbenzylphthalate	420.	U
91-94-1	3,3'-Dichlorobenzidine	420.	U
56-55-3	Benzo(a)anthracene	420.	U
218-01-9	Chrysene	420.	U
117-81-7	bis(2-Ethylhexyl)phthalate	420.	U
117-84-0	Di-n-octylphthalate	420.	U
205-99-2	Benzo(b)fluoranthene	420.	U
207-08-9	Benzo(k)fluoranthene	420.	U
50-32-8	Benzo(a)pyrene	420.	U
193-39-5	Indeno(1,2,3-cd)pyrene	420.	U
53-70-3	Dibenz(a,h)anthracene	420.	U
191-24-2	Benzo(g,h,i)perylene	420.	U

(1) - Cannot be separated from diphenylamine

000740

FORM I SV-2

1/87 Rev.

ATTACHMENT Y-7

PESTICIDE METHOD BLANK SUMMARY

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Lab Sample ID: Lab File ID: A446A015

Matrix: (soil/water) SOIL Level:(low/med) LOW

Date Extracted: 9/12/90 Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed (1): 10/ 5/90 Date Analyzed (2): 10/ 9/90

Time Analyzed (1): 2:54 Time Analyzed (2): 3:12

Instrument ID (1): 000100 Instrument ID (2): 000300

GC Column ID (1): SP2250 GC Column ID (2): DB608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	47100		10/ 5/90	10/ 9/90
2	47101		10/ 5/90	10/ 9/90
3	47102		10/ 5/90	10/ 9/90
4	47103		10/ 5/90	10/ 9/90
5	47103MS		10/ 5/90	10/ 9/90
6	47103MSD		10/ 5/90	10/ 9/90
7	47104		10/ 5/90	10/ 9/90
8	47105		10/ 5/90	10/ 9/90
9	47106		10/ 5/90	10/ 9/90
10	47107		10/ 5/90	10/ 9/90
11	47108		10/ 5/90	10/ 9/90
12	47110		10/ 5/90	10/ 9/90
13				
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Comments:

FORM IV PEST 1/87 Rev.

000748

ATTACHMENT 4-78

PESTICIDE METHOD BLANK SUMMARY

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Lab Sample ID: Lab File ID: A446A016

Matrix: (soil/water) SOIL Level:(low/med) LOW

Date Extracted: 9/12/90 Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed (1): 10/ 5/90 Date Analyzed (2): 10/ 9/90

Time Analyzed (1): 3:40 Time Analyzed (2): 4:00

Instrument ID (1): 000100 Instrument ID (2): 000300

GC Column ID (1): SP2250 GC Column ID (2): DB608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	47109		10/ 5/90	10/ 9/90
2	47111		10/ 5/90	10/ 9/90
3				
4				
5				
6				
7				
8				
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Comments:

000749

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ATTACHMENT Y-79

PESTICIDE METHOD BLANK SUMMARY

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.:

Lab Sample ID: Lab File ID: A446A017

Matrix: (soil/water) WATER Level:(low/med) LOW

Date Extracted: 9/12/90 Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed (1): 10/ 5/90 Date Analyzed (2): 10/ 9/90

Time Analyzed (1): 4:25 Time Analyzed (2): 4:47

Instrument ID (1): 000100 Instrument ID (2): 000300

GC Column ID (1): SP2250 GC Column ID (2): DB608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	47099		10/ 5/90	10/ 9/90
2				
3				
4				
5				
6				
7				
8				
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Comments:

FORM IV PEST 1/87 Rev.

000750

ATTACHMENT Y-80

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47099

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000. (g/mL)ML Lab File ID: A446A018

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec.100. dec. 0. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.05 ~~.12~~	U
319-85-7	beta-BHC	.05 ~~.12~~	U
319-86-8	delta-BHC	.05 ~~.12~~	U
58-89-9	gamma-BHC (Lindane)	.05 ~~.12~~	U
76-44-8	Heptachlor	.05 ~~.12~~	U
309-00-2	Aldrin	.05 ~~.12~~	U
1024-57-3	Heptachlor epoxide	.05 ~~.12~~	U
959-98-8	Endosulfan I	.05 ~~.12~~	U
60-57-1	Dieldrin	.10 ~~.24~~	U
72-55-9	4,4'-DDE	.10 ~~.24~~	U
72-20-8	Endrin	.10 ~~.24~~	U
33213-65-9	Endosulfan II	.10 ~~.24~~	U
72-54-8	4,4'-DDD	.10 ~~.24~~	U
1031-07-8	Endosulfan sulfate	.10 ~~.24~~	U
50-29-3	4,4'-DDT	.10 ~~.24~~	U
72-43-5	Methoxychlor	.5 ~~1.2~~	U
53494-70-5	Endrin ketone	.10 ~~.24~~	U
5103-71-9	alpha-Chlordane	.5 ~~1.2~~	U
5103-74-2	gamma-Chlordane	.5 ~~1.2~~	U
8001-35-2	Toxaphene	1.0 ~~2.4~~	U
12674-11-2	Aroclor-1016	.5 ~~1.2~~	U
11104-28-2	Aroclor-1221	.5 ~~1.2~~	U
11141-16-5	Aroclor-1232	.5 ~~1.2~~	U
53469-21-9	Aroclor-1242	.5 ~~1.2~~	U
12672-29-6	Aroclor-1248	.5 ~~1.2~~	U
11097-69-1	Aroclor-1254	1.0 ~~2.4~~	U
11096-82-5	Aroclor-1260	1.0 ~~2.4~~	U

000751

ATTACHMENT Y-81

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47100

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A019

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 8. dec. 8. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC (Lindane)	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	7.6	J
72-55-9	4,4'-DDE	7.8	J
72-20-8	Endrin	17.	U
33213-65-9	Endosulfan II	17.	U
72-54-8	4,4'-DDD	17.	U
1031-07-8	Endosulfan sulfate	17.	U
50-29-3	4,4'-DDT	17.	U
72-43-5	Methoxychlor	87.	U
53494-70-5	Endrin ketone	17.	U
5103-71-9	alpha-Chlordane	87.	U
5103-74-2	gamma-Chlordane	5.0	J
8001-35-2	Toxaphene	170.	U
12674-11-2	Aroclor-1016	87.	U
11104-28-2	Aroclor-1221	87.	U
11141-16-5	Aroclor-1232	87.	U
53469-21-9	Aroclor-1242	87.	U
12672-29-6	Aroclor-1248	87.	U
11097-69-1	Aroclor-1254	170.	U
11096-82-5	Aroclor-1260	170.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47101

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A021

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 10. dec. 10. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.9	U
319-85-7	beta-BHC	8.9	U
319-86-8	delta-BHC	8.9	U
58-89-9	gamma-BHC (Lindane)	8.9	U
76-44-8	Heptachlor	8.9	U
309-00-2	Aldrin	8.9	U
1024-57-3	Heptachlor epoxide	8.9	U
959-98-8	Endosulfan I	8.9	U
60-57-1	Dieldrin	18.	U
72-55-9	4,4'-DDE	18.	U
72-20-8	Endrin	18.	U
33213-65-9	Endosulfan II	18.	U
72-54-8	4,4'-DDD	18.	U
1031-07-8	Endosulfan sulfate	18.	U
50-29-3	4,4'-DDT	18.	U
72-43-5	Methoxychlor	89.	U
53494-70-5	Endrin ketone	18.	U
5103-71-9	alpha-Chlordane	89.	U
5103-74-2	gamma-Chlordane	89.	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	89.	U
11104-28-2	Aroclor-1221	89.	U
11141-16-5	Aroclor-1232	89.	U
53469-21-9	Aroclor-1242	89.	U
12672-29-6	Aroclor-1248	89.	U
11097-69-1	Aroclor-1254	180.	U
11096-82-5	Aroclor-1260	180.	U

ATTACHMENT Y-83

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47102

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A022

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 9. dec. 9. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.8	U
319-85-7	beta-BHC	8.8	U
319-86-8	delta-BHC	8.8	U
58-89-9	gamma-BHC (Lindane)	8.8	U
76-44-8	Heptachlor	8.8	U
309-00-2	Aldrin	8.8	U
1024-57-3	Heptachlor epoxide	8.8	U
959-98-8	Endosulfan I	8.8	U
60-57-1	Dieldrin	18.	U
72-55-9	4,4'-DDE	18.	U
72-20-8	Endrin	18.	U
33213-65-9	Endosulfan II	18.	U
72-54-8	4,4'-DDD	18.	U
1031-07-8	Endosulfan sulfate	18.	U
50-29-3	4,4'-DDT	18.	U
72-43-5	Methoxychlor	88.	U
53494-70-5	Endrin ketone	18.	U
5103-71-9	alpha-Chlordane	88.	U
5103-74-2	gamma-Chlordane	88.	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	88.	U
11104-28-2	Aroclor-1221	88.	U
11141-16-5	Aroclor-1232	88.	U
53469-21-9	Aroclor-1242	88.	U
12672-29-6	Aroclor-1248	88.	U
11097-69-1	Aroclor-1254	180.	U
11096-82-5	Aroclor-1260	180.	U

000760

ATTACHMENT Y-84

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47103

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A023

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 20. dec. 20. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	40.	U
319-85-7	beta-BHC	40.	U
319-86-8	delta-BHC	40.	U
58-89-9	gamma-BHC (Lindane)	40.	U
76-44-8	Heptachlor	40.	U
309-00-2	Aldrin	40.	U
1024-57-3	Heptachlor epoxide	40.	U
959-98-8	Endosulfan I	40.	U
60-57-1	Dieldrin	80.	U
72-55-9	4,4'-DDE	80.	U
72-20-8	Endrin	80.	U
33213-65-9	Endosulfan II	80.	U
72-54-8	4,4'-DDD	17.	J
1031-07-8	Endosulfan sulfate	80.	U
50-29-3	4,4'-DDT	80.	U
72-43-5	Methoxychlor	400.	U
53494-70-5	Endrin ketone	80.	U
5103-71-9	alpha-Chlordane	400.	U
5103-74-2	gamma-Chlordane	400.	U
8001-35-2	Toxaphene	800.	U
12674-11-2	Aroclor-1016	400.	U
11104-28-2	Aroclor-1221	400.	U
11141-16-5	Aroclor-1232	400.	U
53469-21-9	Aroclor-1242	400.	U
12672-29-6	Aroclor-1248	400.	U
11097-69-1	Aroclor-1254	800.	U
11096-82-5	Aroclor-1260	800.	U

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ATTACHMENT V-86

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47104

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A027

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 11. dec. 11. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 20.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	360.	U
72-55-9	4,4'-DDE	360.	U
72-20-8	Endrin	360.	U
33213-65-9	Endosulfan II	360.	U
72-54-8	4,4'-DDD	360.	U
1031-07-8	Endosulfan sulfate	360.	U
50-29-3	4,4'-DDT	360.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	360.	U
5103-71-9	alpha-Chlordane	1800.	U
5103-74-2	gamma-Chlordane	1800.	U
8001-35-2	Toxaphene	3600.	U
12674-11-2	Aroclor-1016	1800.	U
11104-28-2	Aroclor-1221	1800.	U
11141-16-5	Aroclor-1232	1800.	U
53469-21-9	Aroclor-1242	1800.	U
12672-29-6	Aroclor-1248	1300.	J
11097-69-1	Aroclor-1254	3600.	U
11096-82-5	Aroclor-1260	3600.	U

ATTACHMENT Y-86

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47105

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A028

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 9. dec. 9. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 20.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	350.	U
72-55-9	4,4'-DDE	350.	U
72-20-8	Endrin	350.	U
33213-65-9	Endosulfan II	350.	U
72-54-8	4,4'-DDD	350.	U
1031-07-8	Endosulfan sulfate	350.	U
50-29-3	4,4'-DDT	350.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	350.	U
5103-71-9	alpha-Chlordane	1800.	U
5103-74-2	gamma-Chlordane	1800.	U
8001-35-2	Toxaphene	3500.	U
12674-11-2	Aroclor-1016	1800.	U
11104-28-2	Aroclor-1221	1800.	U
11141-16-5	Aroclor-1232	1800.	U
53469-21-9	Aroclor-1242	1800.	U
12672-29-6	Aroclor-1248	1800.	U
11097-69-1	Aroclor-1254	3500.	U
11096-82-5	Aroclor-1260	3500.	U

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ATTACHMENT 4-87

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47106

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A029

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 7. dec. 7. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 10.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	86.	U
319-85-7	beta-BHC	86.	U
319-86-8	delta-BHC	86.	U
58-89-9	gamma-BHC (Lindane)	86.	U
76-44-8	Heptachlor	86.	U
309-00-2	Aldrin	86.	U
1024-57-3	Heptachlor epoxide	86.	U
959-98-8	Endosulfan I	86.	U
60-57-1	Dieldrin	170.	U
72-55-9	4,4'-DDE	170.	U
72-20-8	Endrin	170.	U
33213-65-9	Endosulfan II	170.	U
72-54-8	4,4'-DDD	170.	U
1031-07-8	Endosulfan sulfate	170.	U
50-29-3	4,4'-DDT	170.	U
72-43-5	Methoxychlor	860.	U
53494-70-5	Endrin ketone	170.	U
5103-71-9	alpha-Chlordane	860.	U
5103-74-2	gamma-Chlordane	860.	U
8001-35-2	Toxaphene	1700.	U
12674-11-2	Aroclor-1016	860.	U
11104-28-2	Aroclor-1221	860.	U
11141-16-5	Aroclor-1232	860.	U
53469-21-9	Aroclor-1242	860.	U
12672-29-6	Aroclor-1248	860.	U
11097-69-1	Aroclor-1254	1700.	U
11096-82-5	Aroclor-1260	1700.	U

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ATTACHMENT Y.88

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47107

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A030

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 8. dec. 8. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 3.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	26.	U
319-85-7	beta-BHC	26.	U
319-86-8	delta-BHC	26.	U
58-89-9	gamma-BHC (Lindane)	26.	U
76-44-8	Heptachlor	26.	U
309-00-2	Aldrin	26.	U
1024-57-3	Heptachlor epoxide	26.	U
959-98-8	Endosulfan I	26.	U
60-57-1	Dieldrin	52.	U
72-55-9	4,4'-DDE	52.	U
72-20-8	Endrin	52.	U
33213-65-9	Endosulfan II	52.	U
72-54-8	4,4'-DDD	52.	U
1031-07-8	Endosulfan sulfate	52.	U
50-29-3	4,4'-DDT	52.	U
72-43-5	Methoxychlor	260.	U
53494-70-5	Endrin ketone	52.	U
5103-71-9	alpha-Chlordane	260.	U
5103-74-2	gamma-Chlordane	260.	U
8001-35-2	Toxaphene	520.	U
12674-11-2	Aroclor-1016	260.	U
11104-28-2	Aroclor-1221	260.	U
11141-16-5	Aroclor-1232	260.	U
53469-21-9	Aroclor-1242	260.	U
12672-29-6	Aroclor-1248	260.	U
11097-69-1	Aroclor-1254	520.	U
11096-82-5	Aroclor-1260	520.	U

ATTACHMENT V-89

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47108

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A031

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 20.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	360.	U
72-55-9	4,4'-DDE	360.	U
72-20-8	Endrin	360.	U
33213-65-9	Endosulfan II	360.	U
72-54-8	4,4'-DDD	360.	U
1031-07-8	Endosulfan sulfate	360.	U
50-29-3	4,4'-DDT	360.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	360.	U
5103-71-9	alpha-Chlordane	1800.	U
5103-74-2	gamma-Chlordane	1800.	U
8001-35-2	Toxaphene	3600.	U
12674-11-2	Aroclor-1016	1800.	U
11104-28-2	Aroclor-1221	1800.	U
11141-16-5	Aroclor-1232	1800.	U
53469-21-9	Aroclor-1242	1800.	U
12672-29-6	Aroclor-1248	9900.	
11097-69-1	Aroclor-1254	3600.	U
11096-82-5	Aroclor-1260	3600.	U

ATTACHMENT V-90

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47109

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A033

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 6. dec. 6. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 10.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	85.	U
319-85-7	beta-BHC	85.	U
319-86-8	delta-BHC	85.	U
58-89-9	gamma-BHC (Lindane)	85.	U
76-44-8	Heptachlor	85.	U
309-00-2	Aldrin	85.	U
1024-57-3	Heptachlor epoxide	85.	U
959-98-8	Endosulfan I	85.	U
60-57-1	Dieldrin	170.	U
72-55-9	4,4'-DDE	170.	U
72-20-8	Endrin	170.	U
33213-65-9	Endosulfan II	170.	U
72-54-8	4,4'-DDD	170.	U
1031-07-8	Endosulfan sulfate	170.	U
50-29-3	4,4'-DDT	170.	U
72-43-5	Methoxychlor	850.	U
53494-70-5	Endrin ketone	170.	U
5103-71-9	alpha-Chlordane	850.	U
5103-74-2	gamma-Chlordane	850.	U
8001-35-2	Toxaphene	1700.	U
12674-11-2	Aroclor-1016	850.	U
11104-28-2	Aroclor-1221	850.	U
11141-16-5	Aroclor-1232	850.	U
53469-21-9	Aroclor-1242	850.	U
12672-29-6	Aroclor-1248	850.	U
11097-69-1	Aroclor-1254	1700.	U
11096-82-5	Aroclor-1260	1700.	U

000788

ATTACHMENT V-9

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47110

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A034

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 10. dec. 10. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 20.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	360.	U
72-55-9	4,4'-DDE	360.	U
72-20-8	Endrin	360.	U
33213-65-9	Endosulfan II	360.	U
72-54-8	4,4'-DDD	360.	U
1031-07-8	Endosulfan sulfate	360.	U
50-29-3	4,4'-DDT	360.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	360.	U
5103-71-9	alpha-Chlordane	1800.	U
5103-74-2	gamma-Chlordane	1800.	U
8001-35-2	Toxaphene	3600.	U
12674-11-2	Aroclor-1016	1800.	U
11104-28-2	Aroclor-1221	1800.	U
11141-16-5	Aroclor-1232	1800.	U
53469-21-9	Aroclor-1242	1800.	U
12672-29-6	Aroclor-1248	1800.	U
11097-69-1	Aroclor-1254	3600.	U
11096-82-5	Aroclor-1260	3600.	U

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

47111

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: N/A SAS No.: SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: A446A035

Level: (low/med) LOW Date Received: 9/ 8/90

% Moisture: not dec. 12. dec. 12. Date Extracted: 9/12/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	36.	U
319-85-7	beta-BHC	36.	U
319-86-8	delta-BHC	36.	U
58-89-9	gamma-BHC (Lindane)	36.	U
76-44-8	Heptachlor	36.	U
309-00-2	Aldrin	36.	U
1024-57-3	Heptachlor epoxide	36.	U
959-98-8	Endosulfan I	36.	U
60-57-1	Dieldrin	72.	U
72-55-9	4,4'-DDE	72.	U
72-20-8	Endrin	72.	U
33213-65-9	Endosulfan II	72.	U
72-54-8	4,4'-DDD	72.	U
1031-07-8	Endosulfan sulfate	72.	U
50-29-3	4,4'-DDT	170.	
72-43-5	Methoxychlor	360.	U
53494-70-5	Endrin ketone	72.	U
5103-71-9	alpha-Chlordane	360.	U
5103-74-2	gamma-Chlordane	360.	U
8001-35-2	Toxaphene	720.	U
12674-11-2	Aroclor-1016	360.	U
11104-28-2	Aroclor-1221	360.	U
11141-16-5	Aroclor-1232	360.	U
53469-21-9	Aroclor-1242	360.	U
12672-29-6	Aroclor-1248	360.	U
11097-69-1	Aroclor-1254	720.	U
11096-82-5	Aroclor-1260	720.	U

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ATTACHMENT V-93

U.S. EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

SOW No.: 7/88

EPA Sample No.	Lab Sample ID.
47099	
47100	
47101	
47102	
47103	
47103D	
47103S	
47104	
47105	
47106	
47107	
47108	
47109	
47110	
47111	

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: [signature] Name: DOUG WEILER

Date: 10/5/90 Title: PROJECT MANAGER

ATTACHMENT Y-94

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47099

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): WATER Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12.00	U		P
7440-36-0	Antimony	11.00	B		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	8.00	U		P
7440-41-7	Beryllium	3.00	U		P
7440-41-7	Cadmium	2.00	U		P
7440-70-2	Calcium	20.00	U		P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	3.00	B		P
7440-50-8	Copper	3.00	U		P
7439-89-6	Iron	25.00	U		P
7439-92-1	Lead	2.00	U		F
7439-95-4	Magnesium	24.00	U		P
7439-96-5	Manganese	3.00	U		P
7439-97-6	Mercury	0.43			CV
7440-02-0	Nickel	4.00	U		P
7440-09-7	Potassium	80.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	3.00	U		P
7440-23-5	Sodium	66.00	U		P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	4.00	B		P
7440-66-6	Zinc	3.00	U		P
	Cyanide	10.00	U		~~NR~~ C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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000033

ATTACHMENT 4-95

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47100

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 91.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5880.00			P
7440-36-0	Antimony	16.80		N	P
7440-38-2	Arsenic	5.70		*	F
7440-39-3	Barium	91.60			P
7440-41-7	Beryllium	0.65	U		P
7440-41-7	Cadmium	1.30			P
7440-70-2	Calcium	1820.00			P
7440-47-3	Chromium	13.50		*	P
7440-48-4	Cobalt	3.90	B		P
7440-50-8	Copper	113.00		N	P
7439-89-6	Iron	13000.00		*	P
7439-92-1	Lead	381.00		*	P
7439-95-4	Magnesium	904.00	B		P
7439-96-5	Manganese	166.00		N	P
7439-97-6	Mercury	0.46			CV
7440-02-0	Nickel	9.40			P
7440-09-7	Potassium	298.00	B		P
7782-49-2	Selenium	0.65	B	NW	F
7440-22-4	Silver	0.65	U		P
7440-23-5	Sodium	44.50	B		P
7440-28-0	Thallium	0.44	U		F
7440-62-2	Vanadium	29.90			P
7440-66-6	Zinc	116.00		N	P
	Cyanide	0.54	U		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ATTACHMENT Y-96

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47101

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 90.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4570.00			P
7440-36-0	Antimony	9.30	B	N	P
7440-38-2	Arsenic	1.10	B	*	F
7440-39-3	Barium	53.20			P
7440-41-7	Beryllium	0.67	U		P
7440-41-7	Cadmium	0.44	U		P
7440-70-2	Calcium	9390.00			P
7440-47-3	Chromium	7.10		*	P
7440-48-4	Cobalt	3.50	B		P
7440-50-8	Copper	23.50		N	P
7439-89-6	Iron	8950.00		*	P
7439-92-1	Lead	132.00		*	P
7439-95-4	Magnesium	2840.00			P
7439-96-5	Manganese	267.00		N	P
7439-97-6	Mercury	0.36			CV
7440-02-0	Nickel	6.20	B		P
7440-09-7	Potassium	638.00	B		P
7782-49-2	Selenium	0.44	U	NW	F
7440-22-4	Silver	0.67	U		P
7440-23-5	Sodium	120.00	B		P
7440-28-0	Thallium	0.44	U		F
7440-62-2	Vanadium	12.40			P
7440-66-6	Zinc	73.60		N	P
	Cyanide	0.55	U		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ATTACHMENT V.C7

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47102

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 91.9

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2970.00			P
7440-36-0	Antimony	7.20	B	N	P
7440-38-2	Arsenic	1.10	B	*	F
7440-39-3	Barium	24.20	B		P
7440-41-7	Beryllium	0.65	U		P
7440-41-7	Cadmium	0.44	U		P
7440-70-2	Calcium	1850.00			P
7440-47-3	Chromium	5.00		*	P
7440-48-4	Cobalt	2.40	B		P
7440-50-8	Copper	11.80		N	P
7439-89-6	Iron	6730.00		*	P
7439-92-1	Lead	28.50		*	P
7439-95-4	Magnesium	723.00	B		P
7439-96-5	Manganese	81.80		N	P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	3.50	B		P
7440-09-7	Potassium	262.00	B		P
7782-49-2	Selenium	0.44	U	N	F
7440-22-4	Silver	0.65	U		P
7440-23-5	Sodium	56.10	B		P
7440-28-0	Thallium	0.44	U		F
7440-62-2	Vanadium	11.10			P
7440-66-6	Zinc	25.00		N	P
	Cyanide	0.54	u		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN 7/88

000036

ATTACHMENT 1-98

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47103

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 79.5

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2240.00			P
7440-36-0	Antimony	15.80		N	P
7440-38-2	Arsenic	12.10		*	F
7440-39-3	Barium	209.00			P
7440-41-7	Beryllium	0.75	U		P
7440-41-7	Cadmium	1.50			P
7440-70-2	Calcium	1370.00			P
7440-47-3	Chromium	14.60		*	P
7440-48-4	Cobalt	6.00	B		P
7440-50-8	Copper	61.40		N	P
7439-89-6	Iron	11300.00		*	P
7439-92-1	Lead	569.00		*	P
7439-95-4	Magnesium	554.00	B		P
7439-96-5	Manganese	105.00		N	P
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	19.40			P
7440-09-7	Potassium	233.00	B		P
7782-49-2	Selenium	1.00	B	NW	F
7440-22-4	Silver	0.75	U		P
7440-23-5	Sodium	143.00	B		P
7440-28-0	Thallium	0.50	U		F
7440-62-2	Vanadium	21.60			P
7440-66-6	Zinc	173.00		N	P
	Cyanide	0.63	u		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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ATTACHMENT 4-99

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47104

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 89.1

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6350.00			P
7440-36-0	Antimony	47.80		N	P
7440-38-2	Arsenic	5.60		*	F
7440-39-3	Barium	162.00			P
7440-41-7	Beryllium	0.67	U		P
7440-41-7	Cadmium	4.70			P
7440-70-2	Calcium	4060.00			P
7440-47-3	Chromium	70.50		*	P
7440-48-4	Cobalt	7.20	B		P
7440-50-8	Copper	5800.00		N	P
7439-89-6	Iron	18400.00		*	P
7439-92-1	Lead	2450.00		*	P
7439-95-4	Magnesium	2230.00			P
7439-96-5	Manganese	196.00		N	P
7439-97-6	Mercury	0.42			CV
7440-02-0	Nickel	70.50			P
7440-09-7	Potassium	369.00	B		P
7782-49-2	Selenium	0.67	B	N	F
7440-22-4	Silver	6.10			P
7440-23-5	Sodium	120.00	B		P
7440-28-0	Thallium	0.45	U		F
7440-62-2	Vanadium	81.50			P
7440-66-6	Zinc	736.00		N	P
	Cyanide	0.56	U		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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ATTACHMENT Y-10

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47105

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 91.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4290.00			P
7440-36-0	Antimony	144.00		N	P
7440-38-2	Arsenic	10.10		*	F
7440-39-3	Barium	151.00			P
7440-41-7	Beryllium	0.66	U		P
7440-41-7	Cadmium	5.70			P
7440-70-2	Calcium	2270.00			P
7440-47-3	Chromium	35.10		*	P
7440-48-4	Cobalt	7.00	B		P
7440-50-8	Copper	221.00		N	P
7439-89-6	Iron	24100.00		*	P
7439-92-1	Lead	3740.00		*	P
7439-95-4	Magnesium	902.00	B		P
7439-96-5	Manganese	123.00		N	P
7439-97-6	Mercury	3.10			CV
7440-02-0	Nickel	23.00			P
7440-09-7	Potassium	421.00	B		P
7782-49-2	Selenium	1.50		N	F
7440-22-4	Silver	1.50	B		P
7440-23-5	Sodium	79.60	B		P
7440-28-0	Thallium	0.44	U		F
7440-62-2	Vanadium	33.30			P
7440-66-6	Zinc	490.00		N	P
	Cyanide	0.55	U		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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ATTACHMENT Y-101

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47106

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 93.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3870.00			P
7440-36-0	Antimony	2.80	B	N	P
7440-38-2	Arsenic	0.64	B	*	F
7440-39-3	Barium	27.50	B		P
7440-41-7	Beryllium	0.64	U		P
7440-41-7	Cadmium	0.43	U		P
7440-70-2	Calcium	2680.00			P
7440-47-3	Chromium	6.00		*	P
7440-48-4	Cobalt	1.70	B		P
7440-50-8	Copper	13.30		N	P
7439-89-6	Iron	8100.00		*	P
7439-92-1	Lead	21.50		*	F
7439-95-4	Magnesium	1180.00			P
7439-96-5	Manganese	119.00		N	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	2.80	B		P
7440-09-7	Potassium	392.00	B		P
7782-49-2	Selenium	0.43	U	NW	F
7440-22-4	Silver	0.64	U		P
7440-23-5	Sodium	67.80	B		P
7440-28-0	Thallium	0.43	U		F
7440-62-2	Vanadium	10.70			P
7440-66-6	Zinc	24.70		N	P
	Cyanide	0.54	U		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ATTACHMENT V-102

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47107

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 91.5

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4160.00			P
7440-36-0	Antimony	12.70	B	N	P
7440-38-2	Arsenic	8.30		*	F
7440-39-3	Barium	123.00			P
7440-41-7	Beryllium	0.66	U		P
7440-41-7	Cadmium	0.87	B		P
7440-70-2	Calcium	539.00	B		P
7440-47-3	Chromium	22.30		*	P
7440-48-4	Cobalt	3.10	B		P
7440-50-8	Copper	74.50		N	P
7439-89-6	Iron	14200.00		*	P
7439-92-1	Lead	2770.00		*	P
7439-95-4	Magnesium	713.00	B		P
7439-96-5	Manganese	68.90		N	P
7439-97-6	Mercury	0.25			CV
7440-02-0	Nickel	34.80			P
7440-09-7	Potassium	275.00	B		P
7782-49-2	Selenium	0.87	B	N	F
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	65.60	B		P
7440-28-0	Thallium	0.44	U		F
7440-62-2	Vanadium	16.20			P
7440-66-6	Zinc	2110.00		N	P
	Cyanide	0.55	u		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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000041

ATTACHMENT Y-103

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47108

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 88.1

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8260.00			P
7440-36-0	Antimony	81.70		N	P
7440-38-2	Arsenic	34.10		*	F
7440-39-3	Barium	522.00			P
7440-41-7	Beryllium	0.68	U		P
7440-41-7	Cadmium	6.10			P
7440-70-2	Calcium	6570.00			P
7440-47-3	Chromium	146.00		*	P
7440-48-4	Cobalt	5.70	B		P
7440-50-8	Copper	707.00		N	P
7439-89-6	Iron	43000.00		*	P
7439-92-1	Lead	7410.00		*	P
7439-95-4	Magnesium	2640.00			P
7439-96-5	Manganese	260.00		N	P
7439-97-6	Mercury	1.30			CV
7440-02-0	Nickel	61.50			P
7440-09-7	Potassium	515.00	B		P
7782-49-2	Selenium	1.60		N	F
7440-22-4	Silver	1.60	B		P
7440-23-5	Sodium	330.00	B		P
7440-28-0	Thallium	0.45	U		F
7440-62-2	Vanadium	82.20			P
7440-66-6	Zinc	1000.00		N	P
	Cyanide	0.57	K		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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ATTACHMENT Y-104

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47109

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 93.9

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2040.00			P
7440-36-0	Antimony	3.00	B	N	P
7440-38-2	Arsenic	4.90		*	F
7440-39-3	Barium	23.20	B		P
7440-41-7	Beryllium	0.64	U		P
7440-41-7	Cadmium	1.30			P
7440-70-2	Calcium	10700.00			P
7440-47-3	Chromium	73.10		*	P
7440-48-4	Cobalt	6.00	B		P
7440-50-8	Copper	125.00		N	P
7439-89-6	Iron	58600.00		*	P
7439-92-1	Lead	74.80		*	P
7439-95-4	Magnesium	1550.00			P
7439-96-5	Manganese	522.00		N	P
7439-97-6	Mercury	0.14			CV
7440-02-0	Nickel	52.60			P
7440-09-7	Potassium	240.00	B		P
7782-49-2	Selenium	0.43	U	NW	F
7440-22-4	Silver	0.64	U		P
7440-23-5	Sodium	112.00	B		P
7440-28-0	Thallium	0.43	U	W	F
7440-62-2	Vanadium	0.64	B		P
7440-66-6	Zinc	91.60		N	P
	Cyanide	0.53	U		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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000343

ATTACHMENT V-105

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47110

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 89.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3580.00			P
7440-36-0	Antimony	5.80	B	N	P
7440-38-2	Arsenic	12.90		*	F
7440-39-3	Barium	116.00			P
7440-41-7	Beryllium	0.67	U		P
7440-41-7	Cadmium	3.10			P
7440-70-2	Calcium	1550.00			P
7440-47-3	Chromium	18.50		*	P
7440-48-4	Cobalt	2.20	B		P
7440-50-8	Copper	63.50		N	P
7439-89-6	Iron	13500.00		*	P
7439-92-1	Lead	448.00		*	P
7439-95-4	Magnesium	926.00	B		P
7439-96-5	Manganese	113.00		N	P
7439-97-6	Mercury	0.44			CV
7440-02-0	Nickel	9.80			P
7440-09-7	Potassium	383.00	B		P
7782-49-2	Selenium	0.45	U	N	F
7440-22-4	Silver	0.67	U		P
7440-23-5	Sodium	65.80	B		P
7440-28-0	Thallium	0.45	U		F
7440-62-2	Vanadium	15.20			P
7440-66-6	Zinc	450.00		N	P
	Cyanide	0.55	U		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN 7/88

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ATTACHMENT Y-106

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

47111

Lab Name: NET ATLANTIC, INC. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 47099

Matrix (soil/water): SOIL Lab Sample ID:

Level (low/med): LOW Date Received: 09/08/90

% Solids: 88.5

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4660.00			P
7440-36-0	Antimony	6.80	B	N	P
7440-38-2	Arsenic	11.80		*	F
7440-39-3	Barium	113.00			P
7440-41-7	Beryllium	0.68	U		P
7440-41-7	Cadmium	1.80			P
7440-70-2	Calcium	1880.00			P
7440-47-3	Chromium	8.10		*	P
7440-48-4	Cobalt	3.40	B		P
7440-50-8	Copper	76.40		N	P
7439-89-6	Iron	13200.00		*	P
7439-92-1	Lead	124.00		*	P
7439-95-4	Magnesium	668.00	B		P
7439-96-5	Manganese	172.00		N	P
7439-97-6	Mercury	0.63			CV
7440-02-0	Nickel	8.80	B		P
7440-09-7	Potassium	297.00	B		P
7782-49-2	Selenium	0.68	B	N	F
7440-22-4	Silver	0.68	U		P
7440-23-5	Sodium	51.80	B		P
7440-28-0	Thallium	0.45	U	W	F
7440-62-2	Vanadium	25.80			P
7440-66-6	Zinc	185.00		N	P
	Cyanide	0.56	U		~~NR~~ C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

AnalytiKEM An American NuKEM Company

AnalytiKEM Inc.
28 Springdale Road
Cherry Hill, NJ 08003
609/751-1122
215/923-2068

Analytical Data Report Package

for the

NJDEP/DHWM
300 Horizon Center
Robbinsville, NJ 08691

Attention: Frank Sorce

A22780, Revised

October 22, 1990

Field Sample #	Laboratory Sample #	Date and Time of Collection
S-1 BSA 09070098	A22780-1	9/7/90;1020
S-2 BSA 09070099	A22780-2	9/7/90;1130
S-3 BSA 09070100	A22780-3	9/7/90;1135
S-4 BSA 09070101	A22780-4	9/7/90;1230
S-5 BSA 09070102	A22780-5	9/7/90;1215
S-6 BSA 09070103	A22780-6	9/7/90;1200
S-7 BSA 09070104	A22780-7	9/7/90;1215
S-8 BSA 09070105	A22780-8	9/7/90;1110
S-9 BSA 09070106	A22780-9	9/7/90;1050
S-10 BSA 09070107	A22780-10	9/7/90;1035
S-11 BSA 09070108	A22780-11	9/7/90;1015
S-12 BSA 09070109	A22780-12	9/7/90;1000

Laboratory Name: AnalytiKEM, Inc.

NJDEP Certification Number: NJ 04012

Laboratory QA Officer: Edward J. Palmer, Jr.

Laboratory QA Officer:

Laboratory Manager: William Fithian

Laboratory Manager:

Date Submitted: September 8, 1990

NJDEP Form A-1 (2/89)

ATTACHMENT Y-108

AnalytiKEM

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William Fithian
10/30/90

d reanalyzed because the initial
quired quality control criteria,
r reanalysis will be entered in

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General Plastics

Contract Number: X-408

Laboratory Sample ID: A22780-1

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.4 g/ml 100

Analytical Method #: 418.1

% Moisture: 9.0; 8.0 *

Dilution Factor: 1:2

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	660,000	20,000 U	20,000 U

NJDEP FORM G-1 (2/89)

* Duplicate analysis

ATTACHMENT V-11

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General Plastics

Contract Number: X-408

Laboratory Sample ID: A22780-2

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.0 g/ml 100

Analytical Method #: 418.1

% Moisture: 23

Dilution Factor: --

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	150,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM
Laboratory Code: NJ 04012

Case Number: General Plastics
Contract Number: X-408

Laboratory Sample ID: A22780-3
Matrix: Nonaqueous

Date Received: 9/8/90
Date Analyzed: 10/1/90

Sample Wt/Vol: 10.1 g/ml 100
Analytical Method #: 418.1

% Moisture: 21
Dilution Factor: 1:5

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	2,300,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT X-113

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General Plastics

Contract Number: X-408

Laboratory Sample ID: A22780-4

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.1 g/ml 100

Analytical Method #: 418.1

% Moisture: 9.0

Dilution Factor: --

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	240,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT XIII

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General Plastic

Contract Number: X-408

Laboratory Sample ID: A22780-5

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.5 g/ml 100

Analytical Method #: 418.1

% Moisture: 4.0

Dilution Factor: --

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	180,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT V-45

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General-Plastics

Contract Number: X-408

Laboratory Sample ID: A22780-6

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.1 g/ml 100

Analytical Method #: 418.1

% Moisture: 16

Dilution Factor: 1:5

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	1,900,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT V-116

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General Plastics

Contract Number: X-408

Laboratory Sample ID: A22780-7

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.1 g/ml 100

Analytical Method #: 418.1

% Moisture: 6.0

Dilution Factor: --

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	310,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT Y-17

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM
Laboratory Code: NJ 04012

Case Number: General Plastics
Contract Number: X-408

Laboratory Sample ID: A22780-8
Matrix: Nonaqueous

Date Received: 9/8/90
Date Analyzed: 10/1/90

Sample Wt/Vol: 10.2 g/ml 100
Analytical Method #: 418.1

% Moisture: 12
Dilution Factor: 1:2

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	650,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT X-118

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General Plastics

Contract Number: X-408

Laboratory Sample ID: A22780-9

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.5 g/ml 100

Analytical Method #: 418.1

% Moisture: 11

Dilution Factor: --

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	150,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT Y-119

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General Plastics

Contract Number: X-408

Laboratory Sample ID: A22780-10

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.3 g/ml 100

Analytical Method #: 418.1

% Moisture: 8.0

Dilution Factor: 1:5

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	990,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT V-120

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General Plastics

Contract Number: X-408

Laboratory Sample ID: A22780-11

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.2 g/ml 100

Analytical Method #: 418.1

% Moisture: 11

Dilution Factor: 1:2

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	670,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT Y-12

VII. GENERAL ANALYSIS DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Case Number: General Plastics

Contract Number: X-408

Laboratory Sample ID: A22780-12

Matrix: Nonaqueous

Date Received: 9/8/90

Date Analyzed: 10/1/90

Sample Wt/Vol: 10.0 g/ml 100

Analytical Method #: 418.1

% Moisture: 6.0

Dilution Factor: --

Decanted: No

GENERAL RESULTS

PARAMETER	SAMPLE CONCENTRATION UNITS: ug/kg dw	METHOD BLANK UNITS: ug/kg	METHOD DETECTION UNITS: ug/kg
Petroleum Hydrocarbons, by IR	49,000	20,000 U	20,000

NJDEP FORM G-1 (2/89)

ATTACHMENT 1-122

IX. GENERAL ANALYSIS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY DATA SHEET

Laboratory Name: AnalytiKEM

Laboratory Code: NJ 04012

Contract Number: X-408

DEP Sample Number: S-12 BSA 09070109

Data Release Authorized By: G. Miller

Matrix: Nonaqueous

Date: October 11, 1990

ANALYTE	BLANK RESULTS	SAMPLE RESULTS CONCEN.	SAMPLE RESULTS UNITS	AMOUNT ADDED	UNITS	MATRIX SPIKE CONCEN.	MATRIX SPIKE UNITS	MS % RECOVERY	MATRIX SPIKE DUP CONCEN.	MATRIX SPIKE DUP UNITS	MSD % RECOVERY	RELATIVE % DIFFERENCE
Petroleum Hydrocarbons	20000 U	49,000	ug/kg	5000	ug/kg	450,000	ug/kg	82	450,000	ug/kg	82	0

NJDEP FORM G-2 (2/89)

ATTACHMENT 1-12

FILE/DATA CHECK SHEET

Agency	Phone No.	Contact	Date	File Y/N Reviewed Y/N
N.J. DEP				
Div. Water Resources				
A. Central File	(609) 292-0440			
B. Regional Enforcement Office	201-669-3900	STAFF	8/2/91	YES
C. Groundwater Pollution Assessment	(609) 292-0668			
D. Groundwater Pollution Abatement	(609) 292-~~4227~~ 3427			
E. Groundwater Discharge Control	(609) 292-0424			
F. Indust. Waste Mgnt. (NJPDES permits)	(609) 292-4860			
G. Other	BUST-984-3156	STAFF	8/2/91	YES
Div. Haz. Waste Mgnt.				
A. Regional Enforcement Office	609-669-3960	STAFF	8/2/91	YES
B. Federal Case Mgnt.	(609) 633-1455			
C. State Case Mgnt.	(609) 633-0719			
D. ECRA	(609) 633-7141	STAFF	8/2/91	YES
E. Haz. Waste Eng.	(609) 292-9880			
F. Other	----------			
Div. Env. Quality				
A. Reg. Air Pollution Control Office	609-669-3935	STAFF	8/2/91	YES
B. Office of Quality Assurance	(609) 292-3950			
C. Right to Know	(609) 292-6714			
Div. Solid Waste Mgnt.				
A. File Room	(609) 292-0112			
B. Enforcement Office	(609) 426-0791			
C. Solid Waste Eng.	(609) 292-7875			

Agency	Phone No.	Contact	Date	File Y/N Reviewed Y/N
Div. Hazardous Site Mitigation				
A. Central File	(609) 292-3230			
B. Env. Evaluation and Risk Assmnt.	(609) 633-7413			
C. Site Management	(609) 984-2900			
D. Env. Measurements and Quality Assurance	(609) 633-0783			
Other N.J. DEP				
A. DRA (DEP Attorneys)	(609) 292-5697			
B. Div. of Law (Att. Gen. Office)	(609) 984-3900			
C. Div. of Science and Research	(609) 984-6070			
D. Div. of Fish & Game	----------			
E. Div. of Coastal Resources Planning Group (aerial photos)	(609)633-7369			
F. Other	----------			
N.J. Dept. of Health	----------			
N.J. DEP Information Resource Center	(609) 984-2249			
U.S. EPA				
A. Response and Prevention Branch	(201) 321-6658			
B. Other	----------			
Local Authorities				
A. Health Officer	201-743-4400	Gloria Shortner	8/3/90	YES
B. Tax Assessor or Town Clerk	----------			
C. Other (Fire, Police, Public Works, etc.)	----------			
Other Agencies	----------			