

PROFESSIONAL ENGINEERING CERTIFICATION

I Gary R. Brown, a New York State licensed professional engineer, certify that I, and persons under my supervision, have made visual inspections of the Remediation Activities for the Rocky Point and Riverhead State Gamelands located on Long Island, New York and that the Remedial Action Program has been performed and constructed in accordance with the "Technical Specifications for Remedial Action Program" and the approved work plan, Appendix H "Remedial Action Program", prepared by HART Engineers, Inc. which include HART Engineers Drawing Nos. 00008-02-00003-E1, E1A and E-2. "Remedial Action Program, Cap Configuration Building #9". The extent of work being certified and any changes or clarifications to this certification are specified in this report.

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

(Signature)

(Date)

(Professional Engineering License Number)

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(R-D-#29/3)

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REMEDIAL ACTION PROGRAM

CAP CONFIGURATION BUILDING #9

ROCKY POINT AND RIVERHEAD STATE GAMESLANDS

LONG ISLAND, NEW YORK

E1-AB FINAL GRADING PLAN AND HDPE CAP SYSTEM PANEL REPLACEMENT

E2-AB CROSS SECTIONS A-A AND DETAILS

1.0 INTRODUCTION

This report details the construction procedures, inspection activities, and test results for Remediation of the Rocky Point and Riverhead State Game Lands, Long Island, New York. Construction was performed by O.H. Materials Inc. Windsor, New Jersey under contract to General Electric Company, Real Estate and Construction Operation.

Construction monitoring was performed by Hart Engineers, Inc. (HART) of Pittsburgh, Pennsylvania. A full-time resident inspector was on site to verify that project construction was completed in accordance with the "Technical Specifications for Remedial Action Program" and the approved work plan, Appendix H, "Remedial Action Program, Rocky Point and Riverhead State Game Lands", prepared by HART Engineers which include Drawing Nos. 00008-02-00003 E1, E1A, and E2 "Remedial Action Program, Cap Configuration Building #9". In addition, documents prepared by HART Engineers titled "Quality Assurance Inspection Procedures for the Installation of Geosynthetics Lining Systems" were used as supplemental guides.

Construction activities consisted of:

1. Removal of Fuel Tanks
2. Remediation of PCB Contaminated Concrete
3. Removal of Electrical Equipment
4. Remediation of PCB Contaminated Soils
5. Removal of Drums
6. Replacement of Monitoring Wells
7. Construction of Capping Systems
8. Removal of Antennas

Quality assurance and quality control (QA/QC) test data obtained from both the field and the laboratory are enclosed within to document construction procedures. In addition, as-built documentation for this project is presented on HART Engineers, Drawing Nos. 00008-02-00003 E1-AB and E2-AB, titled "As-built Documentation Remedial Action Program, Cap Configuration Building #9".

2.0 REMOVAL OF FUEL TANKS

All known above ground and underground fuel tanks were removed. Eight (8) tanks were removed from the Rocky Point site and four (4) tanks from the Riverhead site. One of the tanks, Tank 5, in the original scope, Appendix H, Table 2-1 of the "Remedial Action Program" did not exist. However, an additional tank was located behind Building #1 at the Rocky Point site and is referred to as Tank 12.

Prior to excavation, the remaining fluid in each tank was removed by a double diaphragm pump and an Organic Vapor Analyzer (OVA) was used to evaluate the interior of each tank. Only tank 9A gave high readings on the meter. It was purged with nitrogen before it was removed. Three tanks at Rocky Point contained a large amount of sludge that could not be pumped. These tanks, Nos. 2, 3, and 5A, were opened and cleaned by hand prior to removal.

The tanks were uncovered to their mid point and all excavated soil was staged on polyethylene. After the contents of the tanks were removed the tanks were lifted and staged on polyethylene and tarps. The tanks were then cut with hydraulic shears mounted on a trackhoe excavator. The walls of tanks 2 and 3 could not be cut with shears, therefore, acetylene torches and reciprocating saws were used. The cut tank pieces were taken to the decontamination pad, steam cleaned, and placed in a roll-off for disposal. All tank pieces were disposed of as scrap. The water from the decontamination pad was pumped into drums for disposal.

The underlying and surrounding soil was checked with an OVA meter and soil samples were taken for lab analysis. Tanks containing fuel oils were tested for Total Petroleum Hydrocarbon (TPH), while tanks containing gasoline were tested for benzene, toluene and xylene (BTX). If tank contents were unknown, both tests were performed. Additional soil was removed from the excavation until test results showed TPH levels <100 ppm and BTX levels <100 ppb. The excavated hole was then backfilled with clean soil. Tanks 5a and 9 required further excavation and testing prior to backfill. Results of these tests are given in Table 1. 8

Tank excavations were backfilled and graded to conform with the surrounding areas. Material from the site borrow area was used to backfill each location. Prior to construction, the proposed borrow soil was tested for hazardous toxic and radioactive substances. Test results were negative and the soil was acceptable. Tests data is presented in Appendix A.

3.0 REMEDIATION OF PCB CONTAMINATED CONCRETE

PCB contaminated concrete was removed from building #9 at the Rocky Point site. Pre-construction testing, Appendix H, Table 2-2 of the "Remedial Action Program", indicated the depth of penetration of PCB containing oils ranged from one half (1/2) inch to over two (2) inches into the concrete floor and trenches. Remediation of the building required removing this concrete to a minimum two (2) inch depth.

Prior to construction, the windows and doorways of the building were covered with polyethylene to contain all contaminated material during excavation. All work was performed using Level C Personal Protective equipment. A hoe-ram type jackhammer mounted on a Bobcat machine was used to chip the two (2) inches of concrete from the floor. In most places the cement was thinner than expected and the hoe-ram broke through the floor to underlying soil. In these areas, the underlying soil was also excavated for disposal. The concrete and soil were removed and staged on 20 mil polyethylene liners located adjacent to Building #9. Material was classified based on where it came from within the building - stained and non-stained. This classification is detailed in Appendix H, Figure 2-1 of the "Remedial Action Program". Once the required depth was reached, soil and wipe samples were obtained for PCB analysis. All test results were expected to show PCB levels <10 ppm. If not, additional soil and cement were removed until test results were acceptable. Results from these tests are given in Table 2. All polyethylene used to contain the contaminated area and all protective clothing used during construction were disposed of with the PCB contaminated concrete and soil. This material was hauled by Hazmat Environmental to SCA, Model City, New York. Disposal site locations are presented in Table 5. Laboratory Test Data is presented in Appendix C.

4.0 REMOVAL OF ELECTRICAL EQUIPMENT

Electrical equipment remaining at the site was removed. These included transformers, capacitors and switch boxes as referenced in Appendix H, Table 2-3. Pre-construction tests of known equipment indicated PCB levels below the USEPA regulatory level of 50 ppm. Unknown equipment, those items not listed in Appendix H, Table 2-3, of the "Remedial Action Program" were tested on an individual basis when discovered. The contents of each piece of electrical equipment were drained or pumped into drums for later disposal. The equipment was then removed from its location, wrapped with polyethylene, staged on polyethylene liners and contained within protective berms. The collected fluids were later pumped from the drums into a tanker for salvage. Transformer oil was hauled by Marine Pollution Control to BCF Refining, Brooklyn, New York. Because PCB levels were <10 ppm, all drums used to transfer oil were crushed, placed with and managed the same as oil stained soils. A list of all transformers is presented in Appendix D. Manifests are presented in Appendix F.

Two additional transformers, located in Building No. 1 Rocky Point, were found to have PCB levels <10 ppm. The oil from these transformers, numbers 045 and 046, was also hauled to BCF Refining and the transfer drums were crushed and placed with the PCB contaminated soils for disposal. Disposal sites are presented in Table 5. All underground vaults were backfilled with borrow soil once electrical equipment was removed.

5.0 REMEDIATION OF PCB CONTAMINATED SOIL/CONCRETE

Soil containing PCB contamination above regulatory levels (50 ppm) was to be removed for disposal. However, prior to construction, soil samples of the two main areas, as presented in Appendix H, Section 2.4 of the "Remedial Action Program", were found to have PCB levels <10 ppm and did not require disposal. The material was removed and used as backfill material in the PCB cap area adjacent to Building #9. Borrow soil was then backfilled in the area excavated to correct any depressions and return the site to natural grade. Test results are presented in Appendix A.

All areas of the site were visually inspected for evidence of contamination. Namely stains and soil near electrical equipment. Contaminated concrete found inside Building #1, Rocky Point was tested and found to have a PCB level of 50 ppm. The concrete was excavated and disposed of with PCB contaminated concrete/soil from Building #9. During the site remediation no other additional locations were found that presented evidence of possible contamination. Appendix C and F presents Laboratory Test Data and Manifest Data respectively.

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6.0 REMOVAL OF DRUMS

All drums and high pressure gas cylinders were removed from the site. Drums at the primary sites and at the Rocky Point dump were found to be empty. These were crushed and disposed of as scrap. Four drums located at Building #10 contained a thick black substance. Drum labels indicated their contents were roofing tar. The drums were placed in overpacks and transported to the main site. Their contents were mixed with the PCB contaminated concrete/soil for disposal. The drums were crushed and disposed of in the same manner.

Oil and fuel stored in drums was pumped into tanker trucks for disposal as flammables. These transfer drums were then crushed and placed with oil contaminated soil. The flammable material was hauled by Marine Pollution Control to Environmental Waste Resources. A number of small containers were found in Building #10, Rocky Point. Their contents were unknown and samples were taken for analysis. Test results indicate the material was nonhazardous. The containers and their contents were mixed with a stabilizing agent and transported to Chemical Waste Management, Emelle, Alabama. The Data is presented in Appendix E.

7.0 REPLACEMENT OF MONITORING WELLS

Two new monitoring wells were installed and developed downgradient of the capped area. A representative from the NYDEC located the wells on the northwest side of the cap approximately 15 - 20 feet from the cap and 100 feet apart. The wells were drilled with a hollow stem auger and are two (2) inches in diameter. Depth to ground water was one hundred two (102) feet and total well depth for both wells is one hundred twenty-one (121) feet. Ninety-one (91) feet of casing and thirty (30) feet of screen were installed. Screen openings are 0.020 inches. The well was packed with #1 well gravel, a three (3) foot bentonite seal was placed above the gravel, and the remaining hole was backfilled with a cement and bentonite slurry. A protective steel casing with locking cap was installed at the wellhead. The wells were developed by over pumping until they produced only clear water. Well locations are indicated on HART Drawing No. E1-AB. Well construction details are presented on HART Drawing No. E2-AB.

The wells were sampled on December 9, 1988 to establish existing PCB and TPH Levels. Test results are as follows:

	PCB	TPH
MW #1	<u>ND</u>	<u>ND</u>
MW #2	<u>ND</u>	<u>ND</u>

ND = Non Detectable

Wells are scheduled to be sampled every 6 months over the next two years.

Sample Test Data is presented in Appendix E.

8.0 ANTENNA DEMOLITION

The remaining antennas and wooden support structures at both sites were lowered and demolished. Antennas were lowered by cutting their guy wires and allowing them to fall. They were then hauled to a staging area near the main buildings and placed in uniform piles. The guy wires and anchors were removed from each antenna and staged in adjacent piles.

The wooden support structures were lowered by cutting the base of each pole with chain saws and allowing the structure to collapse onto its side. The structures fell into relatively ordered piles and did not require restaging. Both the antennas and the wooden structures are in uniform piles readily accessible to the DEC for disposal.

9.0 CONSTRUCTION OF CAPPING SYSTEM

The location of the capped area was established by a survey based on HART Engineers Drawing No. E1. However, new information regarding the extent of PCB contamination allowed adjustment of the northern perimeter of the cap. Tests of the contaminated area showed sections of the site with PCB levels <10 ppm. As a direct result of these tests, the total amount of area requiring a HDPE cap was reduced. Sample locations and test results are shown on HART As-Built Drawing No. E1-AB.

Construction of the cap system began with the placing of fill material over the contaminated area. The fill was obtained from the Rocky Point borrow area. As previously mentioned, samples from the borrow area were taken prior to construction and sent for analysis. Results indicate no radioactive, hazardous, or toxic substances within the soil. Proctor tests were also performed to determine optimum moisture and density for compaction purposes. The material was excavated, hauled to the contaminated area and staged in an area adjacent to Building #9.

Backfill was placed in six (6) lifts and compacted with a vibratory roller. Compaction was tested with a Troxler nuclear density gauge. Test results were required to meet 90% of maximum dry density and/or indicate no visible movement of the material during compaction. Initial compaction was performed using a double drum roller. Test results however, were not meeting the minimum 90% relative compaction. To correct this situation, a smooth drum vibratory roller was brought to the site and compaction standards were achieved. Once completed, the surface was inspected by the HDPE installer and found to be acceptable for placement. Density test results are presented in Table 3.

The HDPE cap was placed, overlapped five (5) inches, and temporarily seamed with a Leister weld. The panels were then permanently seamed with an extrusion weld. A vacuum box was used to check all of the welds and

seam samples were taken for laboratory tests. Areas that did not pass were rewelded and retested. After the liner was completed, a layer of Trivera 1125 geotextile was installed. The geotextile was laid on top of the liner and overlapped six (6) inches. The fabric was inspected for holes and tears.

Around the perimeter of the cap a three (3) foot anchor trench was excavated. The HDPE liner and protective layer of geotextile were placed into the anchor trench and backfilled.

Final construction of the cap included a twelve (12) inch layer of drainage sand, a geotextile to prevent infiltration of soils from above the drainage layer, and an eighteen (18) inch layer of topsoil, which was spread, graded and seeded. The drainage sand was trucked from the borrow area and spread over the geotextile by dozer. The geotextile, Trivera 1125, was placed on the drainage sand and overlapped six (6) inches. The topsoil was spread over the top of the geotextile and graded. The perimeter of the cap was graded at a 3:1 slope. See HART Engineers Drawing No. E2-AB.

Upon completion of the topsoil layer the cap was revegetated. Seeding was performed with a seeding tiller. The specifications of the seed mixture are as follows.

Jonathan Green Pasture Seed Mixture

39.90%	Perennial Ryegrass
24.68%	Kentucky Bluegrass
14.98%	Timothy
14.50%	Orchard Grass
4.95%	Ladino Clover
0.71%	Inert Matter
0.16%	Crop Seed
0.12%	Weed Seed

A security fence and gate were installed around the cap area. The fence was seven (7) feet high, using six (6) feet of chain link fabric and three strands of barbed wire one foot above the chain link section. The gate was a double swing type installation.

10.0 GEOSYNTHETIC INSTALLATION AND TESTING

Geotextile Fabrics

One layer of a non-woven geotextile fabric, Trivera 1155, 12 oz., was placed as a cushion between the 40-mil cap and the drainage sand and between the drainage sand and the topsoil as shown on HART Engineers Drawing No. E2-AB. The presence of these geotextile layers effectively reduce the possibility of damage to the HDPE cap from punctures and abrasions and prevents infiltration of soil particles that might obstruct the drainage system. All seams were overlapped six (6) inches. To ensure conformance with the manufacturers advertised criteria, samples were taken from the geotextile fabric. These samples were tested for conformance by J & L Testing Company of Canonsburg, Pennsylvania. Laboratory test results are presented in Appendix H.

HDPE Cap Installation

Construction of the HDPE cap was performed using standard HDPE installation techniques. Prior to cap installation the subbase was examined by both HART and the liner installer for adequacy. The HDPE cap was then deployed across the subbase, overlapped, seamed and tested. Panels were welded by Serrot using the extrusion process. Cross seams in the panels and detail work were also welded using the extrusion process. All seams which failed laboratory testing were capped.

To anchor the HDPE cap, a trench was excavated along the perimeter of the contaminant area. Handwork was used to clear the trench of unsuitable materials. Following installation of the HDPE cap and geotextile fabric, the trench was backfilled with soil and compacted. See HART Engineers Drawing No. E2-AB.

HDPE Liner Testing

The 40 mil HDPE cap installed during this project was manufactured by Gundle Lining Corporation of Houston, Texas. To verify that design criteria was met, Gundle performed quality assurance testing at the rate of one (1) test per 40,000 square feet of liner. This testing was done at the factory and the results of these tests were submitted along with written certification that the liner meets design requirements. To verify Gundle's testing results, samples were collected from the liner for conformance testing by an independent lab. Results of the conformance tests are included in Appendix H. All tests results show the material was acceptable.

To insure quality construction during HDPE cap installation the following checks were made.

1. Verification of subbase quality prior to liner placement;
2. Visual inspection of liner during deployment and throughout all phases of installation.
3. Visual inspection of seaming and repairs.
4. Vacuum testing of all seams and repairs.

These inspections/tests were performed on each liner panel and recorded on the appropriate HART data form. In addition to the inspection outlined above, trial seams were performed by Serrot to verify welder and equipment performance. Two trial seams were welded per welding device per day and samples from these seams were tested for peel adhesion using a field tensometer. When the inspector felt it was necessary, additional trial seams were performed.

As a final test of seam quality, destructive testing for seam strength and peel adhesion, was performed on selected samples which were removed by HART and sent to an independent testing laboratory, J&L Testing Company, Inc. Destructive seam strength test samples were removed from completed liner sections at the minimum rate of one (1) sample per 500 lineal feet of seam.

Samples approximately 46-inches long x 12-inches wide were cut from the seam. Two 1-inch wide pieces of liner were removed from the sample and tested with a field tensometer. The remaining liner sample material was then divided into three samples. One sample remained at the construction site, the second sample was transported to the laboratory for destructive seam strength testing. The final sample was made available to the liner installer for laboratory testing.

The following procedures and equipment were used to test the HDPE liner samples at the laboratory :

Ten (10) 1-inch wide specimens were cut from the laboratory sample using a Premier 200 sheet trimming board (the trimming board produces clean parallel cuts which will eliminate erroneous test results caused by irregular width dimensions). Five of these specimens (replicates) were tested for bonded (shear) seam strength and the remaining five were tested for peel adhesion.

Testing for both seam strength and peel adhesion was performed using an Applied Test Systems, Inc. Series 1101 Universal Testing Machine. This single screw testing machine is an integrated test frame and control system used to perform tension testing of prepared specimens. This device was fitted with a crosshead displacement indicator (potentiometric transducer for a direct measurement of deflection rate) and an Interface Series 1000 load cell, both integrated to an X-Y recorder.

Samples for bonded seam strength were tested per ASTM D638, Standard Test Method for Tensile Properties of Plastics. This method is valid for testing materials up to 14 millimeters (mm) in thickness. Strain rate is determined by the National Sanitation Foundation (NSF) standards of $2.0 \pm$ inches per minute.

Passing criteria consisted of:

- 1) A minimum bonded seam strength of 80 lb./in. width (for 40-mil HDPE liner); and,

- 2) The failure must occur within the liner outside of the seam/weld area. This type of failure is known as a film tear bond (FTB). If the failure occurs within the seam/weld area, thereby indicating improper bonding of the two (2) liner panels, the seam test fails.

These criteria conform to the requirements presented in the National Sanitation Foundation (NSF) Standard Number 54 for flexible membrane liners and criteria outlined in the HART quality assurance and quality control documents.

Samples for peel adhesion were tested per ASTM D413 as modified in Appendix A of the NSF Standard Number 54. Appendix A recommends a strain rate reduction from 20-inches per minute to 2-inches per minute. Passing criteria for this test is FTB failure as presented in the NSF Standard Number 54 and as described above.

A summary of the geomembrane test results for the field seams is presented in Table 4. HDPE liner as-built documentation including locations of laboratory test samples and significant liner repairs are presented in HART Engineers Drawing No. E1-AB.

Throughout liner placement, all deficiencies noted by either testing or visual observation were identified to the contractor. All necessary repairs were marked on the liner and documented on the geomembrane repair logs. Prior to covering the liner, the geomembrane was inspected to verify that repairs were made at all noted locations.

The quality assurance liner field inspection data along with examples of the data forms and geomembrane repair logs are included in Appendix I for review.

6.0 SUMMARY

HART was retained by the Real Estate and Construction Operations Division of General Electric Company, Inc. to provide construction quality assurance inspection and field testing services during remediation of the Rocky Point and Riverhead facilities and the construction of HDPE protective cap.

The quality assurance inspection program included inspecting and testing for the removal of all tanks and oil contaminated soil, all drums and containers and their contents, all electrical equipment, and PCB contaminated soils and concrete. In addition, HART visually inspected materials and material placement, performed nuclear density compaction testing, visual inspected geosynthetic fabric, liner deployment, seaming, and testing, and sample collection and review of laboratory test results.

Inspection of the Rocky Point and Riverhead Sites Remediation construction indicated that the removal of PCB contaminated electrical equipment, tanks and contaminated soil, and the installation of an HDPE cap systems were performed in accordance with the design requirements, specification guidelines and quality assurance program developed for this project as presented and clarified in this report and accompanying drawings.

TABLE 1

GE-RECO ROCKY POINT AND RIVERHEAD

TANK EXCAVATION SOIL SAMPLES

TANK	DATED SAMPLED	TPH (ug/g)	BENZENE (ug/kg)	TOLUENE (ug/kg)	XYLENE (ug/kg)	ETHYL BENZENE (ug/kg)	TOTAL HYDROCARBONS (ug/kg)
1	8/31/88	32	<100	<100	<100	<100	<100
2	9/29/88	8	--	--	--	--	--
3	9/29/88	24	--	--	--	--	--
4	8/31/88	<10	<100	<100	<100	<100	<100
5			TANK DID NOT EXIST				
5A	9/12/88	549	<100	<100	771	421	24,400
5A	10/11/88	10	5340	56,200	3450	2230	--
5A	10/17/88	2430	<100	<100	<100	<100	--
5A	10/19/88	<10	--	--	--	--	--
6	9/12/88	--	<100	<100	<100	<100	<100
7	9/20/88	--	<100	<100	<100	<100	<100
8	9/08/88	--	<100	<100	<100	<100	<100
8	9/29/88	12	--	--	--	--	--
9	9/06/88	--	<100	<100	<100	<100	<100
9A	9/06/88	320	<100	<100	<100	<100	<100
9A	10/17/88	10	--	--	--	--	--
10	9/06/88	26	<100	<100	<100	<100	<100
11	9/06/88	--	<100	<100	<100	<100	<100
12	9/12/88	58	<100	<100	<100	<100	<100

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T A B L E 2

PCB Contaminated Concrete Building #9

<u>DATE</u>	<u>LOCATION</u>	<u>PCB (ppm)</u>	
9/6/88	Non Stained	40	
	Stained	230	
9/20/88	Non Stained	121	
	Stained	42	
	Wipe Samples 1	26	
	Wipe Samples 2	6	
	Wipe Samples 3	21	
	Wipe Samples 4	12	
10/5/88	Non Stained	4	Acceptable
	Stained	621	
10/11/88	Stained	3	Acceptable

Additional soil and concrete were removed until
test results indicated PCB levels <10 ppm.

TABLE 3

<u>DATE</u>	<u>LIFT</u>	<u>DRY DENSITY (PCF)</u>	<u>PERCENT MOISTURE</u>	<u>PERCENT RELATIVE COMPACTION</u>
9-29	1	98.4	5.0	89.5
9-29	1	98.9	5.7	89.9
9-29	1	98.1	3.9	89.2
9-30	2	99.3	3.1	90.3
9-30	2	99.8	3.6	90.7
9-30	2	99.2	4.0	90.2
9-30	2	99.3	5.4	90.3
9-30	2	99.1	4.5	90.1
9-30	2	100.2	5.4	91.1
9-30	2	99.1	5.7	90.1
9-30	2	99.6	3.0	90.5
9-30	2	100.9	6.2	91.7
9-30	2	103.6	5.2	94.2
9-30	2	99.5	5.5	90.5
9-30	2	98.2	4.4	89.3
9-30	2	99.8	6.2	90.8
9-30	2	98.5	2.9	89.5
9-30	2	105.6	5.5	96.0
9-30	2	100.6	4.4	91.4
9-30	2	99.4	3.6	90.3
10-1	3	97.9	2.6	89.0
10-1	3	98.7	2.1	89.8
10-1	3	98.5	2.3	89.5
10-1	3	97.8	1.6	89.0
10-1	3	98.2	1.6	89.3
10-1	3	99.1	2.3	90.1
10-2	4	98.9	1.4	90.0
10-2	4	101.3	1.6	92.1
10-2	4	98.7	1.7	89.7
10-2	4	101.1	1.7	91.9
10-2	4	98.0	1.9	89.1
10-2	4	101.4	2.0	92.2
10-2	4	101.4	2.4	92.2
10-2	4	100.7	2.7	91.6
10-2	4	99.9	1.6	90.8
10-2	4	98.8	2.3	89.8
10-2	4	98.5	2.4	89.5
10-2	4	101.6	2.2	92.4
10-2	4	101.2	2.1	92.0
10-2	4	98.2	2.5	89.3
10-2	4	101.3	2.0	92.1
10-2	4	100.5	2.7	91.3
10-2	4	100.8	2.1	91.6
10-3	5	98.0	3.4	89.1
10-3	5	99.5	3.2	90.5
10-3	5	99.4	3.5	90.4
10-3	5	102.7	4.0	93.3
10-3	5	99.6	3.8	90.6
10-4	6	99.6	3.7	90.5

T A B L E 3
(Continued)

<u>DATE</u>	<u>LIFT</u>	<u>DRY DENSITY (PCF)</u>	<u>PERCENT MOISTURE</u>	<u>PERCENT RELATIVE COMPACTION</u>
10-4	6	98.7	5.4	89.7
10-4	6	99.4	5.4	90.4
10-4	6	99.6	5.4	90.6
10-4	6	99.3	5.1	90.3
10-4	6	99.1	4.5	90.1
10-4	6	99.2	5.2	90.2
10-4	6	100.0	4.7	90.9
10-4	6	99.3	5.0	90.2
10-4	6	99.0	5.4	90.0

(TROXLER)

T A B L E 4

DESTRUCTIVE SEAM TESTS

SAMPLE I.D.	REPLICATE NO.	PEAK LOAD (lbs.)	COMMENTS
DS-10-6-1	PEEL # 1	75.40	FTB
	2	88.47	FTB
	3	84.30	FTB
	4	83.72	FTB
	5	83.42	FTB
	AVE.	83.06	
	SHEAR # 1	114.27	FTB
	2	109.67	FTB
	3	113.07	FTB
	4	114.57	FTB
	5	112.50	FTB
	AVE.	112.82	
DS-10-6-2	PEEL # 1	68.85	FTB
	2	86.65	FTB
	3	69.07	FTB
	4	85.60	FTB
	5	85.10	FTB
	AVE.	79.05	
	SHEAR # 1	111.57	FTB
	2	110.92	FTB
	3	107.10	FTB
	4	110.95	FTB
	5	109.85	FTB
	AVE.	110.08	
DS-10-6-3	PEEL # 1	77.95	FTB
	2	72.67	FTB
	3	72.82	FTB
	4	89.47	FTB
	5	88.02	FTB
	AVE.	80.12	
	SHEAR # 1	111.80	FTB
	2	110.47	FTB
	3	100.47	FTB
	4	111.55	FTB
	5	112.75	FTB
	AVE.	109.41	

FTB = Film Tear Bond

(T-D-#104)

T A B L E 5
WASTE DISPOSAL

<u>ITEM</u>	<u>HANDLER/HAULER</u>	<u>DISPOSAL</u>
PCB Transformers & Solids	US Pollution Control, Inc. Suite 400 South 200 Classen Center Oklahoma City, OK. 73106	PPM Inc. 4105 Whitaker Ave. Philadelphia, PA. 19124
	Hazmat Environmental Group P.O. Box 676 Buffalo, NY. 14217	Dowzer Electronics 215 Main Street Cortland, NY.
PCB Concrete & Soil	Hazmat Environmental Group P.O. Box 676 Buffalo, NY. 14217	SCA 115 Balmer Road Model City, NY. 14187
Oil Stained Soil/ Water	American Waste Services, Inc. c/o Liberty Center-Suite 8 3530 Belmont Avenue Youngstown, OH. 44505	Mahoning Landfill 3510 Farfield Road New Springfield, OH.
	Willis Trucking, Inc. 3185 Columbia Road Richfield, OH. 44286	
Gas and Fuels	Marine Pollution Control Inc. P.O. Box 2220 E. Patchogue, NY. 11772	Environmental Waste Resources Waterbury, Ct. 06725
		BCF Refining 362 Maspeth Avenue Brooklyn, NY. 11211

**LABORATORY TEST RESULTS
ROCKY POINT & RIVERHEAD SITES
RCA/GE**

HART P.O. NO. 00008-02-00003-07

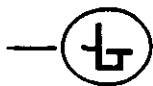
PERFORMED FOR:

Hart Engineers, Inc.
Penn Center West III
Suite 106
Pittsburgh, PA 15276

PERFORMED BY:

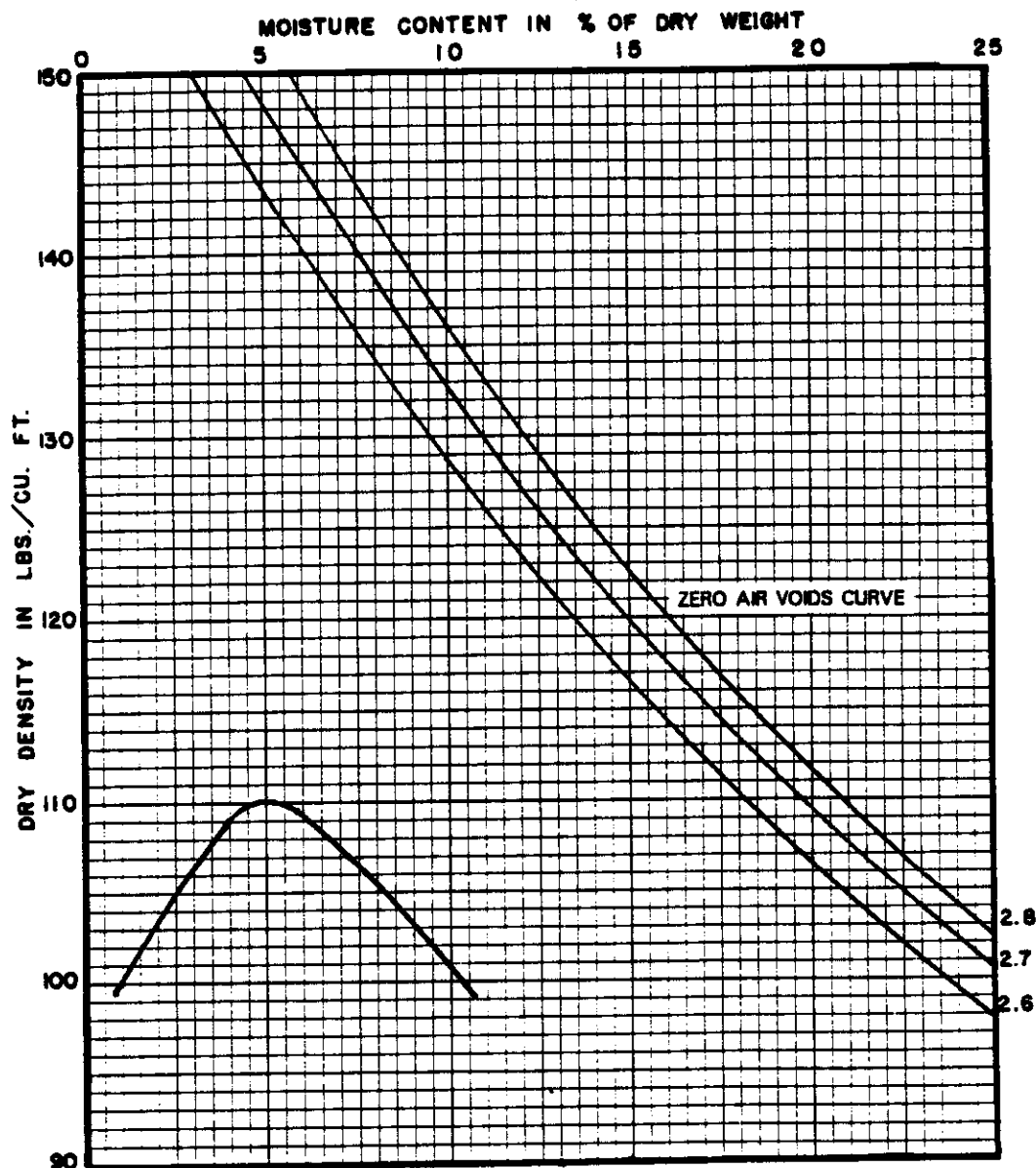
J&L Testing Company, Inc.
938 South Central Avenue
Canonsburg, PA 15317

SEPTEMBER 12, 1988



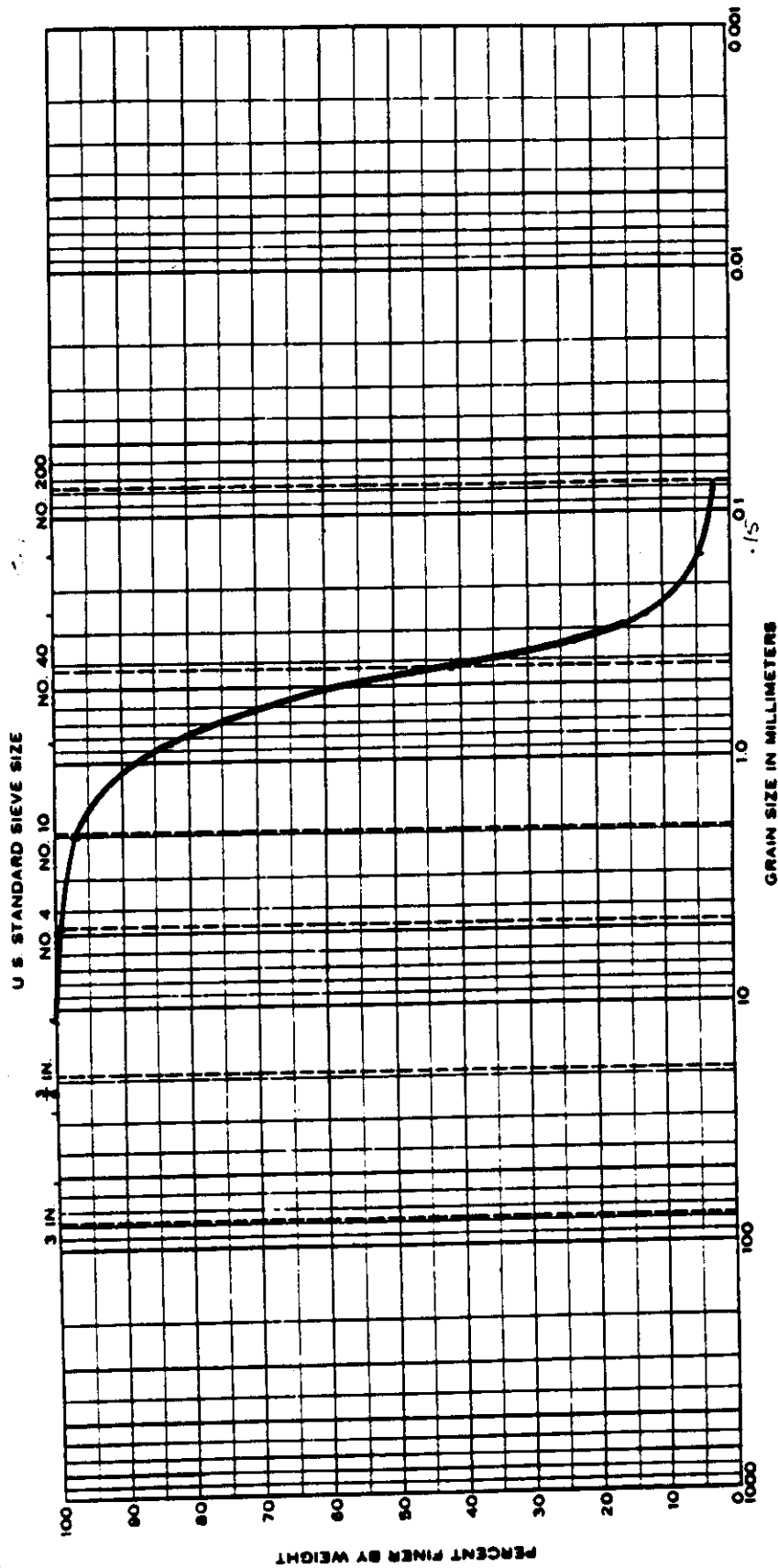
J & L TESTING COMPANY, INC.
Geotechnical, Geomembrane and Geosynthetic Testing

Project Hart Engineers, Inc. Job No. 88C361-01
Location of Project Rocky Point Project Boring No. Composite Sample No. 1
Description of Soil Composite - 3 Bag Sample
Depth of Sample N/A Tested By MD Date 8-28-88



COMPACTION TEST DATA

OPTIMUM MOISTURE CONTENT 5.0%
MAXIMUM DRY DENSITY 110.0 pcf
METHOD OF COMPACTION Standard



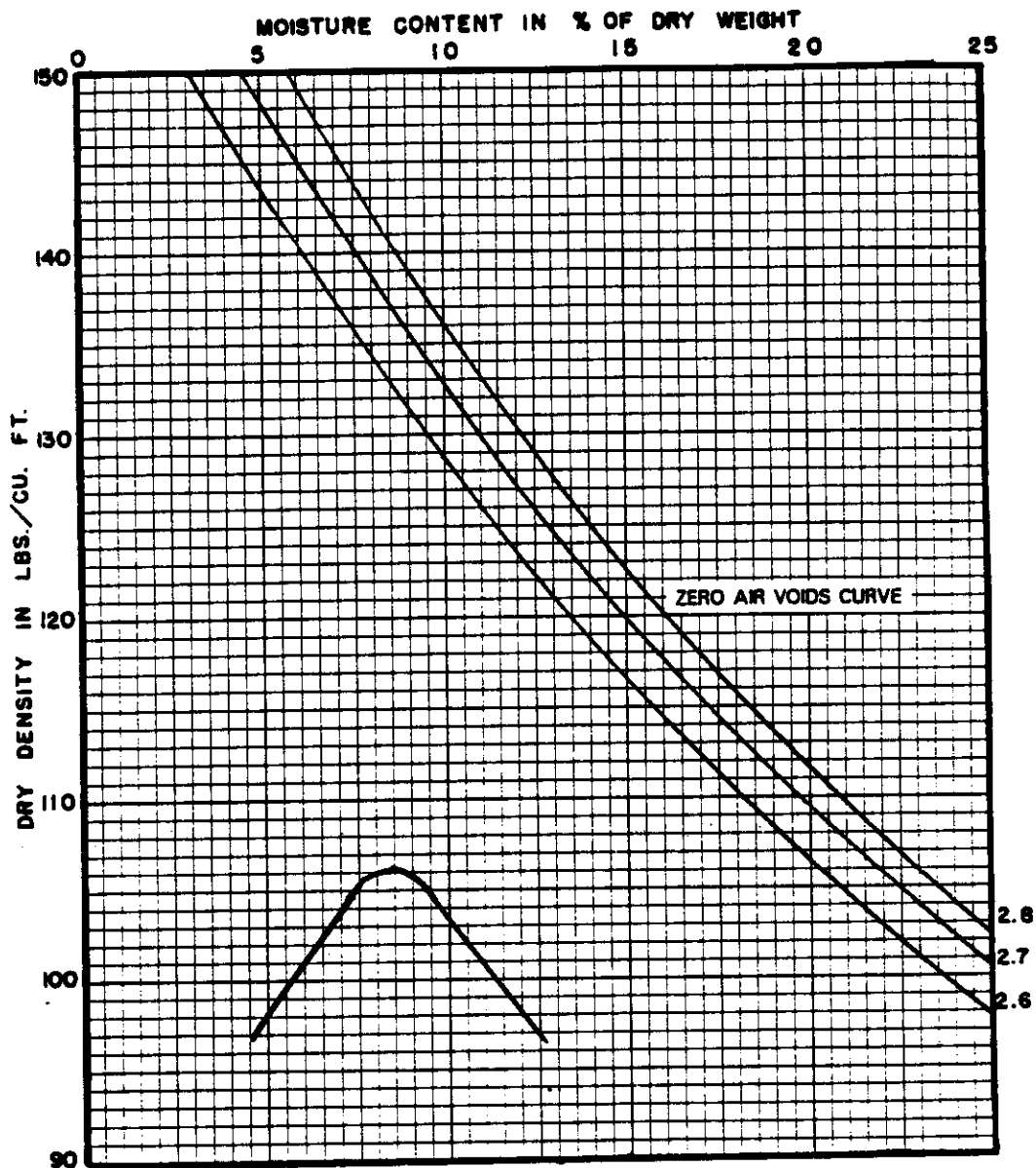
COARSE		GRANULAR		FINE		SAND		SILT OR CLAY		
Sample No.	Elev or Depth	Classification	NatWC	LL	PL	PI				
Composite	3 Bags	Rocky Point Material								
Project							Hart Engineers, Inc.			
							Rocky Point Site			
							RCA/GE			
Date							9-9-88		JOB No.	
									88C361-01	
GRADATION CURVES										





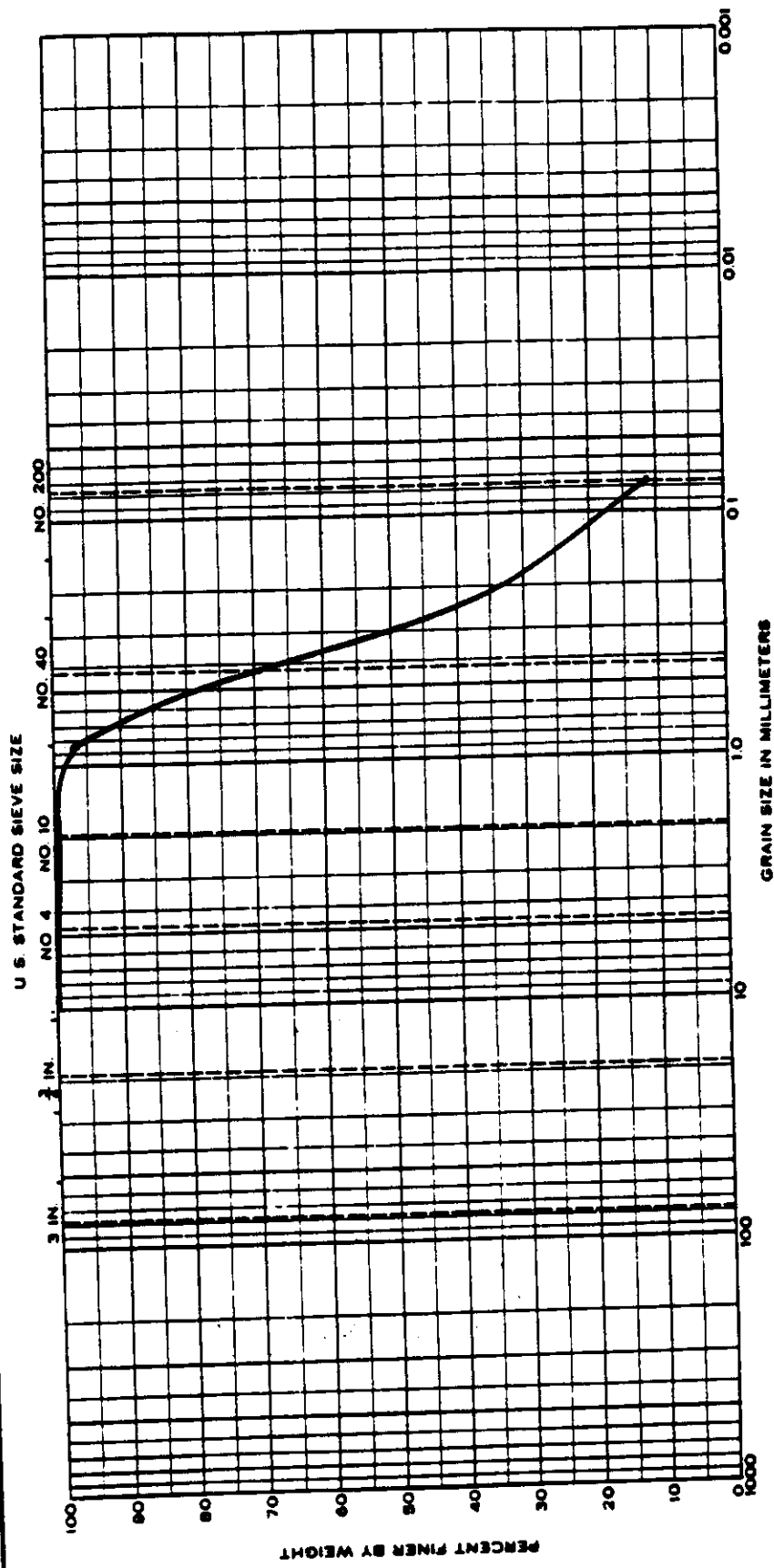
J & L TESTING COMPANY, INC.
Geotechnical, Geomembrane and Geosynthetic Testing

Project Hart Engineers, Inc. Job No. 88C361-01
Location of Project Riverhead Site Boring No. Composite Sample No. 2
Description of Soil Composite - 4 Bag Samples
Depth of Sample N/A Tested By MD Date 8-29-88



COMPACTION TEST DATA

OPTIMUM MOISTURE CONTENT 8.5%
MAXIMUM DRY DENSITY 106.1 pcf
METHOD OF COMPACTION Standard



COMBIS		GRAVEL		SAND		SILT OR CLAY	
		Coarse	Fine	Coarse	Medium	Fine	

Sample No.	Elev or Depth	Classification	NatWC	LL	PL	PI	Project
Composite	4 Bags	Riverhead Material					Hart Engineers, Inc.
							Riverhead Site
							RCA/GE

Date	9-9-88	Job No.	88C361-01

GRADATION CURVES



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astex Industries, Inc.

P.A. DER 46005
N.J. DEP 77371

icensed Analytical Laboratories

28 S. Hanover Street
125 Main Avenue

Pottstown, PA.
Elmwood Park, N.J.

19464

215/327-0880 FAX 215/327-9608

201/791-6700

P.O. # J6321-41768

Sample # 880823.003

ustomer # oh mat

For O. H. Materials Co.

c/o Holiday Inn Rm. 154

3840 Veterans Memorial Highway

Ronkonkoma NY 11779

Attn: Sam Waits

ite Sampled 8-20-88 11:00 AM

Date Rec. 8-23-88

9:30 AM

Sampled By BD

Rec by SLG

Sample composite

PWS ID

Sample ID

Rocky Point/River Head Rocky Point LI Proj. #6321

6321-01 River Head site oil composite from transformer

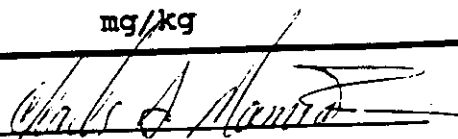
PCB's

PCB's

<2

mg/kg

Signature



Wastex Industries, Inc.

P.A. DER 46005
N.J. DEP 77371

Licensed Analytical Laboratories

28 S. Hanover Street
125 Main Avenue

Pottstown, PA. 19464 215/327-0880 FAX 215/327-9608
Elmwood Park, N.J. 07407 201/791-6700

P.O. # J6321-41768
Sample # 880823.004

Customer # oh mat

For O. H. Materials Co.
c/o Holiday Inn Rm. 154
3840 Veterans Memorial Highway
Ronkonkoma NY 11779
Attn: Sam Waits

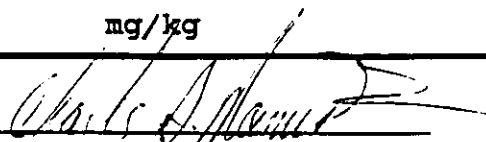
Date Sampled 8-20-88 11:10 AM Date Rec. 8-23-88 9:30 AM
Sampled By BD Rec by SLG
Sample composite PWS ID
Sample ID Rocky Point/River Head Rocky Point LI Proj. #6321
6321-02 Rocky Point site oil composite from transformer

PCB's

PCB's

<2 mg/kg

Signature



Wastex Industries, Inc.

P.A. DER 46005
N.J. DEP 77371

Licensed Analytical Laboratories

28 S. Hanover Street
125 Main Avenue

Pottstown, PA. 19464 215/327-0880 FAX 215/327-9608
Elmwood Park, N.J. 07407 201/791-6700

P.O. # J6321-41768
Sample # 880823.005

Customer # oh mat

For O. H. Materials Co.
c/o Holiday Inn Rm. 154
3840 Veterans Memorial Highway
Ronkonkoma NY 11779
Attn: Sam Waits

Date Sampled 8-20-88 11:15 AM Date Rec. 8-23-88 9:30 AM
Sampled By BD Rec by SLG
Sample composite PWS ID
Sample ID Rocky Point/River Head Rocky Point LI Proj. #6321
6321-03 1" composite main contaminated soil

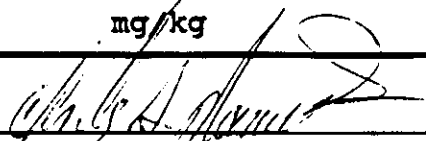
PCB's

PCB's

<2

mg/kg

Signature



astex Industries, Inc.

P.A. DER 46005
N.J. DEP 77371

icensed Analytical Laboratories

28 S. Hanover Street
125 Main Avenue

Pottstown, PA. 19464 215/327-0880 FAX 215/327-9608
Elmwood Park, N.J. 07407 201/791-6700

P.O. # J6321-41768
Sample # 880823.006

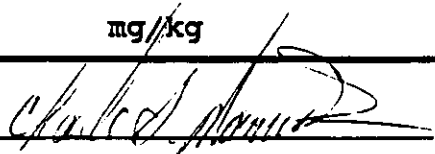
Customer # oh mat

For O. H. Materials Co.
c/o Holiday Inn Rm. 154
3840 Veterans Memorial Highway
Ronkonkoma NY 11779
Attn: Sam Waits

Date Sampled 8-20-88 11:20 AM Date Rec. 8-23-88 9:30 AM
Sampled By BD Rec by SLG
Sample composite PWS ID
Sample ID Rocky Point/River Head Rocky Point LI Proj. #6321
6321-04 6" depth composite main contaminated soil

PCB's PCB's <2 mg/kg

Signature



Fastex Industries, Inc.

Licensed Analytical Laboratories

P.A. DER 46005
N.J. DEP 77371

28 S. Hanover Street
125 Main Avenue

Pottstown, PA. 19464 215/327-0880 FAX 215/327-9608
Elmwood Park, N.J. 07407 201/791-6700

P.O. # J6321-41768
Sample # 880823.007

Customer # oh mat

For O. H. Materials Co.
c/o Holiday Inn Rm. 154
3840 Veterans Memorial Highway
Ronkonkoma NY 11779
Attn: Sam Waits

Date Sampled 8-19-88

Date Rec. 8-23-88

9:30 AM

Sampled By BD

Rec by SLG

Sample grab

PWS ID

Sample ID

Rocky Point/River Head Rocky Point LI Proj. #6321
2001 soil besides tank 5A, Bldg. 9 Rocky Point 1" depth

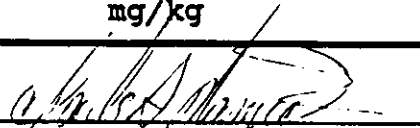
PCB's

PCB's

<2

mg/kg

Signature



astex Industries, Inc.

icensed Analytical Laboratories

P.A. DER 46005

N.J. DEP 77371

28 S. Hanover Street
125 Main Avenue

Pottstown, PA. 19464 215/327-0880 FAX 215/327-9608
Elmwood Park, N.J. 07407 201/791-6700

P.O. # J6321-41768

Sample # 880823.008

ustomer # oh mat

For O. H. Materials Co.

c/o Holiday Inn Rm. 154

3840 Veterans Memorial Highway

Ronkonkoma NY 11779

Attn: Sam Waits

ate Sampled 8-19-88

Date Rec. 8-23-88

9:30 AM

Sampled By BD

Rec by SLG

Sample grab

PWS ID

Sample ID

Rocky Point/River Head Rocky Point LI Proj. #6321
2002 soil besides tank 5A, Bldg. 9 Rocky Point 6" depth

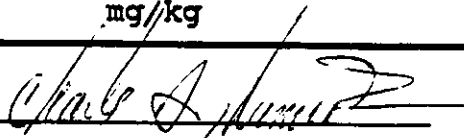
PCB's

PCB's

<2

mg/kg

Signature



Wastex Industries, Inc.

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P.A. DER 46005

N.J. DEP 77371

28 S. Hanover Street

125 Main Avenue

Pottstown, PA.

19464

215/327-0880 FAX 215/327-9608

Elmwood Park, N.J. 07407

201/791-6700

P.O. # J6321-41768

Sample # 880823.009

Customer # oh mat

For O. H. Materials Co.

c/o Holiday Inn Rm. 154

3840 Veterans Memorial Highway

Ronkonkoma NY 11779

Attn: Sam Waits

Date Sampled 8-19-88

Date Rec. 8-23-88

9:30 AM

Sampled By BD

Rec by SLG

Sample grab

PWS ID

Sample ID

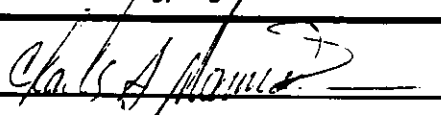
Rocky Point/River Head Rocky Point LI Proj. #6321
2011 soil by control shed Rocky Point 1"depth

PCB's

PCB's

<2 mg/kg

Signature



Wastex Industries, Inc.

Licensed Analytical Laboratories

P.A. DER 46005
N.J. DEP 77371

28 S. Hanover Street
125 Main Avenue

Pottstown, PA. 19464 215/327-0880 FAX 215/327-9608
Elmwood Park, N.J. 07407 201/791-6700

P.O. # J6321-41768
Sample # 880823.010

Customer # oh mat

For O. H. Materials Co.
c/o Holiday Inn Rm. 154
3840 Veterans Memorial Highway
Ronkonkoma NY 11779
Attn: Sam Waits

Date Sampled 8-19-88

Date Rec. 8-23-88

9:30 AM

Sampled By BD

Rec by SLG

Sample grab

PWS ID

Sample ID

Rocky Point/River Head Rocky Point LI Proj. #6321
2012 soil by control shed Rocky Point 6"depth

PCB's

PCB's

<2

mg/kg

Signature





National Seal Company

Corporate Office

1255 Monmouth Blvd.
P.O. Box 1448
Galesburg, IL 61402-1448
800/323-3820
309/343-3418
FAX 309/343-1536

September 13, 1988

Mr. Kevin Niswander
O. H. Materials Corp.
CS2600
Findley, OH 45839-2600

Dear Mr. Niswander:

Enclosed is the certificate of compliance for the 81,000 sq. ft. of Trevira 1125 which you purchased on August 28, 1988 with your Purchase Order #JA6321-43444.

It was a pleasure doing business with you. If I can be of any help in the future, please feel free to give me a call.

Very truly yours,

NATIONAL SEAL COMPANY

Brian McKeown

Brian McKeown
Sales Representative

BM/jkw

Enc.

Hoechst Celanese

SEP - 1 RECD

Industrial Fibers Group
Hoechst Celanese Corporation
Spunbond Business Unit
Post Office Box 5887
Spartanburg, SC 29304-5887
803 579 5479
Toll Free 800 945 7537

(COM-88-333)

CERTIFICATE OF COMPLIANCE

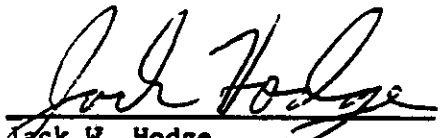
<u>Fluid Systems, Inc.</u>	Date: <u>August 29, 1988</u>
<u>32 Triangle Park Drive</u>	HFI Order No. <u>8088139</u>
<u>Suite 3201</u>	Customer Order No. <u>01307</u>
<u>Cincinnati, OH 45246</u>	Specification No. _____
Attn: <u>George Zagorski</u>	Project No. _____

Manufacturer: Hoechst Celanese Corporation
Product Description: Nonwoven, Needlepunched Continuous Filament,
100 percent Polyester

Product Identification: S11251

This letter is to state that the TREVIRA Spunbond fabric specified above complies with published physical property values. Typical and minimum average roll values for S1125 are attached.

Sincerely,


Jack W. Hodge
Manager Quality Control
TREVIRA Spunbond
Hoechst Celanese Corporation

JWH/tc

cc: Nancy Stephens
File

Hoechst Celanese

Industrial Fibers Group
Hoechst Celanese Corporation
Spunbond Business Unit
Post Office Box 5887
Spartanburg, SC 29304-5887
803 579 5479
Toll Free 800 845 7597

PRODUCT DESCRIPTION for TREVIRA SPUNBOND TYPE 1125

TREVIRA Spunbond Type 1125 is a 100% continuous filament polyester nonwoven needlepunched engineering fabric. The fabric is inert to biological and naturally encountered chemicals, alkalies, and acids, and is resistant to ultraviolet light exposure. TREVIRA Spunbond Type 1125 conforms to the property values listed in the following table:

<u>FABRIC PROPERTY</u>	<u>UNIT</u>	<u>TEST METHOD</u>	<u>TYPICAL VALUE⁽¹⁾</u>	<u>MINIMUM AVERAGE ROLL VALUES</u>
Fabric Weight	oz/yd ²	ASTM D-3776	7.4	7.1
Thickness	mils	ASTM D-1777	110	100
Grab Strength (MD/CD)	lbs	ASTM D-4632	270/225	200
Grab Elongation (MD/CD)	%	ASTM D-4632	75/85	60
Trapezoid Tear Strength (MD/CD)	lbs	ASTM D-4533	105/95	75
Puncture Resistance (5/16")	lbs	ASTM D-3787	115	95
Mullen Burst Strength	psi	ASTM D-3786	390	360
Vertical Water Flow @ 2" head	gpm/ft ²	ASTM D-4491	130	100
Coefficient of Permeability, k	cm/sec	ASTM D-4491	.49	.35
AOS (Mod. to 10 min.)	Sieve Size	CW-02215-77	70/120	70

MD - Machine Direction, CD - Cross Machine Direction

1) The values listed are average values.

(S1125.39)
May 2, 1988

Hoechst 



P.O. Box 265
298 Riverside Avenue
Rensselaer, NY 12144
(518) 434-4546 / 434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

LABORATORY REPORT

for

Hart Engineers
10 Center West III
Suite 106
Pittsburgh, PA 15276

Attention: Mr. Robert Centinaro

Split Samples

Purchase Order #: 000080200300
Job #: GE

Report date: 08/31/88
Number of samples analyzed: 15
AES Project ID: 880822 E



P.O. Box 265
298 Riverside Avenue
Rensselaer, NY 12144
(518) 434-4546 : 434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: T-002
AES sample #: 880822 E01

Date Sampled: 08/18/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
MATRIX: oil
Location: Rvr.Head/Rky Pt
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



P.O. Box 265
298 Riverside Avenue
Rensselaer, NY 12144
(518) 434-4546 / 434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: T-004
AES sample #: 880822 E02

Date Sampled: 08/18/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
Location: Rvr.Head/Rky Pt
MATRIX: oil
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



P.O. Box 265
298 Riverside Avenue
Rensselaer, NY 12144
(518) 434-4546 / 434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: T-009
AES sample #: 880822 E03

Date Sampled: 08/18/88

Date sample received: 08/22/88

Samples taken by: Doug Wolf
MATRIX: oil

Location: Rvr.Head/Rky Pt
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



P.O. Box 265
298 Riverside Avenue
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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: D-0104
AES sample #: 880822 E04

Date Sampled: 08/18/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
Location: Rvr.Head/Rky Pt
MATRIX: solid waste grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: T-011
AES sample #: 880822 E05

Date Sampled: 08/18/88

Date sample received: 08/22/88

Samples taken by: Doug Wolf
MATRIX: oil

Location: Rvr.Head/Rky Pt
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: D-0107
AES sample #: 880822 E06

Date Sampled: 08/18/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
Location: Rvr.Head/Rky Pt
MATRIX: solid waste grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: D-0135
AES sample #: 880822 E07

Date Sampled: 08/19/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
Location: Rvr.Head/Rky Pt
MATRIX: solid waste grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: S-2001
AES sample #: 880822 E08

Date Sampled: 08/19/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
Location: Rvr.Head/Rky Pt
MATRIX: soil
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: S-2004
AES sample #: 880822 E09

Date Sampled: 08/19/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
MATRIX: soil
Location: Rvr. Head/Rky Pt
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: S-2011
AES sample #: 880822 E10

Date Sampled: 08/19/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
Location: Rvr.Head/Rky Pt
MATRIX: soil
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: T-014
AES sample #: 880822 E11

Samples taken by: Doug Wolf
MATRIX: oil

Date Sampled: 08/19/88
Date sample received: 08/22/88
Location: Rvr.Head/Rky Pt
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: T-028
AES sample #: 880822 E12

Date Sampled: 08/19/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
Location: Rvr.Head/Rky Pt
MATRIX: oil
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: T-029
AES sample #: 880822 E13

Date Sampled: 08/19/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
Location: Rvr.Head/Rky Pt
MATRIX: oil
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: T-033
AES sample #: 880822 E14

Date Sampled: 08/19/88
Date sample received: 08/22/88
Samples taken by: Doug Wolf
MATRIX: oil
Location: Rvr.Head/Rky Pt
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: T-039
AES sample #: 880822 E15

Samples taken by: Doug Wolf
MATRIX: oil

Date Sampled: 08/19/88
Date sample received: 08/22/88
Location: Rvr.Head/Rky Pt
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<4	ug/g	PCB-E-1	08/23/88

APPROVED BY: Frank Scuderi
Report date: 08/31/88

D.C. No.: A 1948



Name: John Doe
 Affiliation: Geologist
 Phone: (515) 69-6197
 Address: 25 West 1st Ave. Des Moines, Iowa
 Client/Job No: 3812A
 Job Name: Lead and Zinc Location: Des Moines, Iowa

CHAIN OF CUSTODY RECORD

Sample No.	Lab I.D. No.	Date	Time	Matrix	No. of Containers	Analysis Requested/Remarks
7-101		8/1/55		Soil	1	PC 15
7-102					1	
7-103					1	
7-104			1415	Soil	2	
7-105			1610	Soil	1	
7-106			1730	Soil	1	
7-107		8/4/55	0830	Soil	1	
7-108			0940	Soil	1	
7-109			0855	Soil	1	
7-110			1000	Soil	1	

Comments: _____

Relinquished by: Doug M. [Signature] Date: 8/14/55 Shipment Method: Federal Express
 Time: 1430 Airbill No.: 8933131752

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
 Time: _____ Time: _____

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
 Time: _____ Time: _____

Final Disposition of Samples: None

Received by: _____ Date: _____ Time: _____

2 of 2

D.C. No.: A 1949



Name: WILLIAM J. COFF
 Affiliation: DEPT. OF JUSTICE
 Phone: 215 547-292
 Address: 2500 M ST NW
 Client/Job No: 100-55-10000
 Job Name: SEARCHED FOR Location: DEPT. OF JUSTICE

CHAIN OF CUSTODY RECORD

Sample No.	Lab I.D. No.	Date	Time	Matrix	No. of Containers	Analysis Requested/Remarks
100-55-10000		3-14-55	1030	oil	2	PCAS
100-55-10000		"	1120	"	"	
100-55-10000		"	1145	"	"	
100-55-10000		"	1230	"	"	
100-55-10000		"	1345	"	"	

Comments: _____

Relinquished by: [Signature] Date: 3-14-55 Shipment Method: FEDEX
 Time: 1430 Airbill No.: 8933131752

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
 Time: _____ Time: _____

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
 Time: _____ Time: _____

Final Disposition of Samples: AC

Received by: [Signature] Date: 3/22 Time: _____



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LABORATORY REPORT

for

Fred C. Hart Associates
Penn Center West III
Suite 106
Pittsburgh, PA 15276 0001

Attention: Bob Centinaro

*Borrow Soil
Analysis*

Purchase Order #: 000802000307

Report date: 09/08/88
Number of samples analyzed: 2
AES Project ID: 880829 C



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CLIENT: Fred C. Hart Associates

Date Sampled: 08/26/88

CLIENT'S SAMPLE ID: Riverhead 1

Date sample received: 08/29/88

AES sample #: 880829 C01

Samples taken by: Wesley Gamble Location: Borrow Sites

MATRIX: soil

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Flashpoint	ASTM D93-77	>200	F	GO-A-26	09/06/88
Reactivity	SW-846 Sec.7.3	Non/Reac		FS	09/06/88
Total Cyanide	EPA-9010	<1	ug/g	MF	09/02/88
Sulfide	EPA-9030	<100	ug/g	TH-A-31	09/06/88
EP Toxicity Extraction	EPA-1310	Complete		EPT-A-25	08/30/88
Arsenic	EPA-7061	<0.01	mg/l	ICP-I-22	08/31/88
Barium	EPA-6010	<0.02	mg/l	ICP-I-22	08/31/88
Cadmium	EPA-6010	<0.04	mg/l	ICP-I-22	08/31/88
Chromium	EPA-6010	<0.05	mg/l	ICP-I-22	08/31/88
Lead	EPA-6010	<0.10	mg/l	ICP-I-22	08/31/88
Mercury	EPA-7470	<0.01	mg/l	ICP-I-22	08/31/88
Selenium	EPA-7741	<0.01	mg/l	ICP-I-22	08/31/88
Silver	EPA-7760	<0.02	mg/g	MET-FE-7	09/06/88
Lindane	EPA-8080	<0.01	mg/g	PCB-E-2	09/06/88
Endrin	EPA-8080	<0.01	mg/g	PCB-E-2	09/06/88
Toxaphene	EPA-8080	<0.1	mg/g	PCB-E-2	09/06/88
Methoxychlor	EPA-8080	<0.1	mg/g	PCB-E-2	09/06/88
Silvex	EPA-8150	<0.1	mg/g	PCB-E-2	09/06/88
2,4-D	EPA-8150	<0.1	mg/g	PCB-E-2	09/06/88
Radium 226	Gamma Scan	0.5 +0.1	pCi/g	TAI	09/06/88



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: Riverhead 1

AES sample #: 880829 C01
continued

Samples taken by: Wesley Gamble
MATRIX: soil

Date Sampled: 08/26/88
Date sample received: 08/29/88
Location: Borrow Sites
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK</u>	<u>REF</u>	<u>TEST DATE</u>
Thorium 232	Gamma Scan	1.0 +0.2	pCi/g	TAI		09/06/88
Potassium 40	Gamma Scan	2.1 +1.0	pCi/g	TAI		09/06/88



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CLIENT: Fred C. Hart Associates
CLIENT'S SAMPLE ID: Rocky Point 1
AES sample #: 880829 C02
Samples taken by: Wesley Gamble
MATRIX: soil
Date Sampled: 08/26/88
Date sample received: 08/29/88
Location: Borrow Sites grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Flashpoint	ASTM D93-77	>200	F	GO-A-26	09/06/88
Reactivity	SW-846 Sec.7.3	Non-Reac		FS	09/06/88
Total Cyanide	EPA-9010	<1	ug/g	MF	09/02/88
Sulfide	EPA-9030	<100	ug/g	TH-A-31	09/06/88
EP Toxicity Extraction	EPA-1310	Complete		EPT-A-25	08/30/88
Arsenic	EPA-7061	<0.01	mg/l	ICP-I-22	08/31/88
Barium	EPA-6010	<0.02	mg/l	ICP-I-22	08/31/88
Cadmium	EPA-6010	<0.04	mg/l	ICP-I-22	08/31/88
Chromium	EPA-6010	<0.05	mg/l	ICP-I-22	08/31/88
Lead	EPA-6010	<0.10	mg/l	ICP-I-22	08/31/88
Mercury	EPA-7470	<0.01	mg/l	ICP-I-22	08/31/88
Selenium	EPA-7741	<0.01	mg/l	ICP-I-22	08/31/88
Silver	EPA-7760	<0.02	mg/l	MET-FE-7	09/06/88
Lindane	EPA-8080	<0.01	mg/l	PCB-E-2	09/06/88
Endrin	EPA-8080	<0.01	mg/l	PCB-E-2	09/06/88
Toxaphene	EPA-8080	<0.1	mg/l	PCB-E-2	09/06/88
Methoxychlor	EPA-8080	<0.1	mg/l	PCB-E-2	09/06/88
Silvex	EPA-8150	<0.1	mg/l	PCB-E-2	09/06/88
2,4-D	EPA-8150	<0.1	mg/l	PCB-E-2	09/06/88
Radium 226	Gamma Scan	0.2 +0.1	pCi/g	TAI	09/06/88



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: Rocky Point 1

AES sample #: 880829 C02

continued

Samples taken by: Wesley Gamble Location: Borrow Sites

MATRIX: soil

Date Sampled: 08/26/88.

Date sample received: 08/29/88

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Thorium 232	Gamma Scan	0.4 +0.1	pCi/g	TAI	09/06/88
Potassium 40	Gamma Scan	3.1 +0.6	pCi/g	TAI	09/06/88

APPROVED BY: Frank Scuderi
Report date: 09/08/88

D.C. No.: A 1942



Name: Wesley Hamble
 Affiliation: FC-41
 Phone: 518-787-7144
 Address: 15376-0001, Pittsburgh, PA
 Client/Job No: 7-12-85
 Job Name: Adirondack Lab. Location: 3

CHAIN OF CUSTODY RECORD

Sample No.	Lab I.D. No.	Date	Time	Matrix	No. of Containers	Analysis Requested/Remarks
RIVERHEAD 1		8/26/85	1200	Soil	5	Revised to 15376-0001
15376-0001		8/26/85	1510	Soil	5	HAZARDOUS WASTE

Comments: Send Results To Bob Cont. NARO, Ben Center 15376-0001, Pittsburgh PA 15376-0001, Phone # 412-787-7144

Relinquished by: Wesley Hamble Date: 8/26/85 Shipment Method: Federal Express
 Time: 1510 Airbill No.: 9342565971

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
 Time: _____ Time: _____

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
 Time: _____ Time: _____

Final Disposition of Samples: Adirondack Lab.

Received by: _____ Date: _____ Time: _____



TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or non-performance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**



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LABORATORY REPORT

for

Fred C. Hart Associates
Penn Center West III
Suite 106
Pittsburgh, PA 15276 0001

Attention: Robert Centinaro

Transformers

045 046

Tanks

1 & "

Purchase Order #: 000080200307

Report date: 09/15/88
Number of samples analyzed: 4
AES Project ID: 880901 E



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CLIENT: Fred C. Hart Associates

Date Sampled: 08/31/88

CLIENT'S SAMPLE ID: 045

Date sample received: 09/01/88

AES sample #: 880901 E01

Samples taken by: Wesley Gamble Location: Rocky Point
MATRIX: oil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	8	ug/g	PCB-E-2	09/07/88



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CLIENT: Fred C. Hart Associates

Date Sampled: 08/31/88

CLIENT'S SAMPLE ID: 046

Date sample received: 09/01/88

AES sample #: 880901 E02

Samples taken by: Wesley Gamble Location: Rocky Point

MATRIX: oil

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	3	ug/g	PCB-E-2	09/07/88



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CLIENT: Fred C. Hart Associates

Date Sampled: 08/31/88

CLIENT'S SAMPLE ID: Tank 1

Date sample received: 09/02/88

AES sample #: 880901 E03

Samples taken by: Wesley Gamble Location: Rocky Point
MATRIX: soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTE/REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	32	ug/g	OG-B-11	09/08/88
Benzene	EPA-8020	<100	ug/kg	MA-F-21	09/07/88
Toluene	EPA-8020	<100	ug/kg	MA-F-21	09/07/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-21	09/07/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-21	09/07/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-21	09/07/88



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CLIENT: Fred C. Hart Associates

Date Sampled: 08/31/88

CLIENT'S SAMPLE ID: Tank 4

Date sample received: 09/02/88

AES sample #: 880901 E04

Samples taken by: Wesley Gamble Location: Rocky Point

MATRIX: soil

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	<10	ug/g	OG-B-11	09/08/88
Benzene	EPA-8020	<100	ug/kg	MA-F-21	09/07/88
Toluene	EPA-8020	<100	ug/kg	MA-F-21	09/07/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-21	09/07/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-21	09/07/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-21	09/07/88

APPROVED BY:

Report date: 09/13/88

Frank S. Anderson

D.C. No.: A 1943



Name: WESLEY GAMBLE
 Affiliation: FCHH
 Phone: 518-369-6132
 Address: 28 MADISON AVE EXT
 Client/Job No: 3 22 10000-07
 Job Name: _____ Location: RIVERVIEW RD - Rock, Penn

CHAIN OF CUSTODY RECORD

Sample No.	Lab I.D. No.	Date	Time	Matrix	No. of Containers	Analysis Requested/Remarks
TANK-Soil 11		8/31/88	9:30 _{am}	Soil	1	BTX
TANK-Soil 9A		8/31/88	9:49 _{am}	Soil	2	BTX, TPH
TANK-Soil 10A 9		8/31/88	9:23 _{am}	Soil	1	BTX
TANK-Soil 10		8/31/88	9:30 _{am}	Soil	2	BTX, TPH
045		8/31/88	9:15 _{am}	SOIL	1	PCBs
046		8/31/88	9:30 _{am}	OIL	1	PCBs

Comments: SEND RESULTS TO: Robert Centinaro - Construction Manager
HART ENGINEERS, INC.; Penn Center West 111 Suite 106, Pittsburgh, PA 15276-0001

Relinquished by: Wesley Gamble Date: 8/31/88 Shipment Method: FED. EXP
 Time: 1100 Airbill No.: 7609072203

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
 Time: _____ Time: _____

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
 Time: _____ Time: _____

Final Disposition of Samples: NES

Received by: _____ Date: 11/ Time: _____



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LABORATORY REPORT

for

Fred C. Hart Associates
Penn Center West III
Suite 106
Pittsburgh, PA 15276 0001

Attention: Robert Centinaro

Tanks

9, 9a, 10, 11

Concrete PCB
stained
non stained

Purchase Order #: 000080200300
Job #: GE

Report date: 09/15/88
Number of samples analyzed: 6
AES Project ID: 880907 K



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: Tank 9 Soil

AES sample #: 880907 K01

Samples taken by: SR

MATRIX: soil

Date Sampled: 09/06/88

Date sample received: 09/07/88

Location: River Head
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Toluene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-22	09/11/88



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CLIENT: Fred C. Hart Associates

Date Sampled: 09/06/88

CLIENT'S SAMPLE ID: Tank 9A Soil

Date sample received: 09/07/88

AES sample #: 880907 K02

Samples taken by: SR

Location: River Head

MATRIX: soil

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	<u>320</u>	ug/g	OG-B-11	09/08/88
Benzene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Toluene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-22	09/11/88



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CLIENT: Fred C. Hart Associates
CLIENT'S SAMPLE ID: Tank 10 Soil

Date Sampled: 09/06/88

Date sample received: 09/08/88

AES sample #: 880907 K03

Samples taken by: SR

Location: River Head

MATRIX: soil

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	26	ug/g	OG-B-11	09/08/88
Benzene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Toluene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-22	09/11/88



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: Tank 11 Soil

AES sample #: 880907 K04

Samples taken by: SR
MATRIX: soil

Date Sampled: 09/06/88

Date sample received: 09/07/88

Location: RiverHead
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Toluene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-22	09/11/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-22	09/11/88



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CLIENT: Fred C. Hart Associates
CLIENT'S SAMPLE ID: Non-Cont. Concrete
AES sample #: 880907 K05
Samples taken by: SR
MATRIX: solid waste
Date Sampled: 09/06/88
Date sample received: 09/07/88
Location: Rocky Point composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	40	ug/g	PCB-E-2	09/09/88



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CLIENT: Fred C. Hart Associates

Date Sampled: 09/06/88

CLIENT'S SAMPLE ID: Cont. Concrete

Date sample received: 09/07/88

AES sample #: 980907 K06

Samples taken by: SR

Location: Rocky Point

MATRIX: solid waste

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	203	ug/g	PCB-E-2	09/09/88

APPROVED BY: Frank Sinden
Report date: 09/15/88



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CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME GENERAL ACTION PROGRAM
F.C. HART RIVERHEAD - ROCKY POINT

SAMPLERS: (Signature) [Signature]

SAMPLE NUMBER	SAMPLE IDENTIFICATION & LOCATION	DATE	TIME A = a.m. P = p.m.	SAMPLE TYPE		NUMBER OF CONT'S	ANALYSIS REQUIRED
				MATRIX	COMP GRAB		
TANK 9 SOIL	TANK 9 RIVERHEAD	9-6-88	10:30 P	SOIL	X	1	BTX
TANK 9A SOIL	TANK 9A RIVERHEAD	9-6-88	10:30 P	SOIL	X	2	BTX, TPH
TANK 10	TANK 10 RIVERHEAD	9-6-88	10:30 P	SOIL	X	2	BTX, TPH
TANK 11	TANK 11 RIVERHEAD	9-6-88	10:30 P	SOIL	X	1	BTX
15	NOY-CONT. ROCKY POINT CONCRETE BUILDING 9	9-6-88	11:00 P	BROKEN OPERATOR	X	1	PCB
* 806	CONTAMINATED ROCKY POINT CONCRETE BUILDING 9	9-6-88	8:00 P	BROKEN CONCRETE	X	4	PCB
				A			
				P			
	SEND RESULTS TO:			A			
				P			
717-871-	BOB CENTINARO			A			
9925	HART ENGINEERS INC			P			
	PENN CENTER WEST III			A			
412-	SUITE 106			P			
787-7111	PITTSBURGH, PA			A			
	15276-0001			P			

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date/Time
Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date/Time
Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date/Time
Relinquished by: (Signature) <u>[Signature]</u>	Received by Mobile Laboratory for field analysis: (Signature) <u>[Signature]</u>	Date/Time
Dispatched by: (Signature) <u>[Signature]</u>	Date/Time	Received for Laboratory by: <u>[Signature]</u>
Method of Shipment: <u>FED EXP AIRBILL 76090 72225</u>		

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LABORATORY REPORT

for

Fred C. Hart Associates
Penn Center West III
Suite 106
Pittsburgh, PA 15276 0001

Attention: Robert Centinaro

Tanks

5A, 6, 12

Job #: 00008020000307

Report date: 10/06/88
Number of samples analyzed: 3
AES Project ID: 880913 K



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: TANK 5A

AES sample #: 880913 K01

Samples taken by: S. Rudolph
MATRIX: soil

Date Sampled: 09/12/88

Date sample received: 09/13/88

Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	549	ug/g	OG-B-15	09/28/88
Benzene	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Toluene	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Xylenes	EPA-8020	771	ug/kg	MA-F-27	09/26/88
Ethylbenzene	EPA-8020	421	ug/kg	MA-F-27	09/26/88
Total Hydrocarbons	EPA-8020	24,400	ug/kg	MA-F-27	09/26/88



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CLIENT: Fred C. Hart Associates

Date Sampled: 09/12/88

CLIENT'S SAMPLE ID: TANK 6

Date sample received: 09/13/88

AES sample #: 880913 K02

Samples taken by: S. Rudolph

Location: Rocky Point

MATRIX: soil

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Toluene	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-27	09/26/88



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: TANK 12

AES sample #: 880913 K03

Samples taken by: S. Rudolph
MATRIX: soil

Date Sampled: 09/12/88

Date sample received: 09/13/88

Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	58	ug/g	OG-B-15	09/28/88
Benzene	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Toluene	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-27	09/26/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-27	09/26/88

APPROVED BY:

Report date: 10/05/88

Frank Lunden



normal

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CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME

FC. Hart & Assoc. - Rocky Point

SAMPLERS: (Signature)

[Signature]

SAMPLE NUMBER	SAMPLE IDENTIFICATION & LOCATION	DATE	TIME A = a.m. P = p.m.	SAMPLE TYPE			NUMBER OF CONT'S	ANALYSIS REQUIRED
				MATRIX	COMP	GRAB		
1	TANK 5A (2 JARS) ^{ROCKY POINT}	9-12-88	11:40	A	SOIL	X	2	TPH
2	TANK 5A / ^{ROCKY POINT}	9-12-88	11:40	A	SOIL	X	1	BTX
3	TANK 6 / ^{ROCKY POINT}	9-12-88	11:30	A	SOIL	X	1	BTX
4	TANK 12 / ^{ROCKY POINT}	9-12-88	11:50	A	SOIL	X	2	TPH
5	TANK 12 / ^{ROCKY POINT}	9-12-88	11:50	A	SOIL	X	1	BTX
6				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				

Relinquished by: (Signature)

[Signature]

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by Mobile Laboratory for field analysis: (Signature)

Date/Time

Dispatched by: (Signature)

Date/Time

Received for Laboratory by:

Date/Time

[Signature]

Method of Shipment:

Fed. Ex. 4 MAIL # 7609072376

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LABORATORY REPORT

for

Fred C. Hart Associates
Penn Center West III
Suite 106
Pittsburgh, PA 15276 0001

Attention: Robert Centinaro

Tanks

2, 3, 8

Lost Samples
Lab Accident

Job #: 00008020000307

Report date: 10/06/88
Number of samples analyzed: 3
AES Project ID: 880912 D



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: Tank 2

AES sample #: 880912 D01

Samples taken by: SR

MATRIX: soil

Date Sampled: 09/08/88

Date sample received: 09/12/88

Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK</u>	<u>REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	LA		FS		09/13/88



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: Tank 3

AES sample #: 880912 D02

Samples taken by: SR

MATRIX: soil

Date Sampled: 09/08/88

Date sample received: 09/12/88

Location: Rocky Point
composite

PARAMETER PERFORMED

METHOD

RESULT

UNITS

NOTEBOOK REF

TEST DATE

Total Petroleum Hydrocarbons

EPA-9070

LA

FS

09/13/88



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: Tank 3

AES sample #: 880912 D03

Samples taken by: SR

MATRIX: soil

Date Sampled: 09/08/88

Date sample received: 09/12/88

Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	LA		FS	09/13/88
Benzene	EPA-8020	<100	ug/kg	MA-F-27	09/23/88
Toluene	EPA-8020	<100	ug/kg	MA-F-27	09/23/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-27	09/23/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-27	09/23/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-27	09/23/88

APPROVED BY: Frank Seidman
Report date: 10/05/88

(518) 434-4546

CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME		REMEDIAL ACTION PROGRAM		SAMPLERS: (Signature)				
FC HART & ASSOC		ROCKY POINT / ALABAMA		Steve S. [Signature]				
SAMPLE NUMBER	SAMPLE IDENTIFICATION & LOCATION	DATE	TIME A = a.m. P = p.m.	SAMPLE TYPE			NUMBER OF CONT'S	ANALYSIS REQUIRED
				MATRIX	COMP	GRAB		
	TANK 2 / ROCKY POINT	9-8-88	10:00	A	SOIL	1	1	TPH
	TANK 3 / ROCKY POINT	9-8-88	11:00	P	SOIL	1	1	TPH
	TANK 8 confirmed by Steve Rudolph	9-8-88	3:30	A	SOIL	1	3	BTX / TPH
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
Relinquished by: (Signature)			Received by: (Signature)				Date/Time	
Relinquished by: (Signature)			Received by: (Signature)				Date/Time	
Relinquished by: (Signature)			Received by: (Signature)				Date/Time	
Relinquished by: (Signature)			Received by Mobile Laboratory for field analysis: (Signature)				Date/Time	
Dispatched by: (Signature)		Date/Time	Received for Laboratory by:		Date/Time			
Method of Shipment:		FED. EXP.		4118, 116 # 7609072236				

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LABORATORY REPORT

for

Hart Engineers
10 Center West III
Suite 106
Pittsburgh, PA 15276

Attention: Robert Centinaro

Tank

7

Soil PCB #9

① stained

② non stained

Wipe Samples #9

5 samples PCB.

Job #: 00008020000307

Report date: 09/30/88

Number of samples analyzed: 9

AES Project ID: 880921 J



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: Tank 7 Rocky Point
AES sample #: 880921 J01

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 09/20/88
Date sample received: 09/21/88
Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8020	<100	ug/kg	MA-F-29	09/29/88
Toluene	EPA-8020	<100	ug/kg	MA-F-29	09/29/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-29	09/29/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-29	09/29/88
Total Hydrocarbons	EPA-8020	<100	ug/kg	MA-F-29	09/29/88



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CLIENT: Hart Engineers

Date Sampled: 09/20/88

CLIENT'S SAMPLE ID: Comp. Non-Contamin.

Date sample received: 09/21/88

AES sample #: 880921 J02

Samples taken by: S.R.

Location: ROCKY POINT

MATRIX: solid waste

composite

<u>PARAMETER</u>	<u>PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK</u>	<u>REF</u>	<u>TEST</u>	<u>DATE</u>
PCB		EPA-8080	121	ug/g	PCB-E-5		09/22/88	



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CLIENT: Hart Engineers

Date Sampled: 09/20/88

CLIENT'S SAMPLE ID: Comp. Contaminated

Date sample received: 09/21/88

AES sample #: 880921 J03

Samples taken by: S.R.

Location: ROCKY POINT

MATRIX: solid waste

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	42	ug/g	PCB-E-5	09/22/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: WIPE 1-Building 9
AES sample #: 880921 J04 Samples taken by: S.R.
MATRIX: wipe Location: ROCKY POINT composite

Date Sampled: 09/20/88

Date sample received: 09/21/88

Location: ROCKY POINT composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	26	ug/filtr	PCB-E-5	09/22/88



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CLIENT: Hart Engineers

Date Sampled: 09/20/88

CLIENT'S SAMPLE ID: Wipe 2-Building 9

Date sample received: 09/21/88

AES sample #: 880921 J05

Samples taken by: S.R.

Location: ROCKY POINT

MATRIX: wipe

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	6	ug/filtr	PCB-E-5	09/22/88



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CLIENT: Hart Engineers

Date Sampled: 09/20/88

CLIENT'S SAMPLE ID: WIPE 3-BUILDING 9

Date sample received: 09/21/88

AES sample #: 880921 J06

Samples taken by: S.R.

Location: ROCKY POINT

MATRIX: wipe

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	21	ug/filtr	PCB-E-5	09/23/88



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(518) 434-4546 / 434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CLIENT: Hart Engineers

Date Sampled: 09/20/88

CLIENT'S SAMPLE ID: WIPE 4-Building 9

Date sample received: 09/21/88

AES sample #: 880921 J07

Samples taken by: S.R.

Location: ROCKY POINT

MATRIX: wipe

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	12	ug/filtr	PCB-E-5	09/23/88



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CLIENT: Hart Engineers

CLIENT'S SAMPLE ID: Wipe 5-Building 9

AES sample #: 880921 J08

Samples taken by: S.R.

MATRIX: wipe

Date Sampled: 09/20/88

Date sample received: 09/21/88

Location: ROCKY POINT
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	44	ug/filtr	PCB-E-5	09/23/88

APPROVED BY: Frank Sinden
Report date: 09/30/88



* fact $\downarrow$ # must be on card
+ Page #
costing or not
can be Page

P.O. Box 265

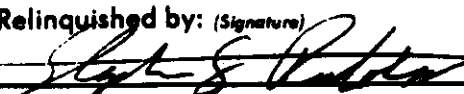
298 Riverside Avenue

Rensselaer, NY 12144

(518) 434-4546

CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME		SAMPLERS: (Signature)					
00008-02 00003-07		 					
SAMPLE NUMBER	SAMPLE IDENTIFICATION & LOCATION	DATE	TIME	SAMPLE TYPE		NUMBER OF CONT'S	ANALYSIS REQUIRED
			A = a.m. P = p.m.	MATRIX	COMP GRAB		
SSC921-J01	TANK 7 / ROCKY POINT	9-10-80	12:15	A	SOIL	1	BTX
J02	COMPOSITE NON-CONTAMINATED BUILDING 9	9-20-80	2:15	A	CEMENT SOIL	1	PCB
J03	COMPOSITE CONTAMINATED BUILDING 9			A	CEMENT SOIL	1	PCB
J04	WIPE 1 BUILDING 5			A	CEMENT	1	PCA
J05	WIPE 2 BUILDING 9			A		1	PCB
J06	WIPE 3 BUILDING 9			A		1	PCB
J07	WIPE 4 BUILDING 9			A		1	PCM
J08	WIPE 5 BUILDING 9			A		1	PCB
				A			
				P			
				A			
				P			
				A			
				P			
				A			
				P			

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
			
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time	
Dispatched by: (Signature)	Date/Time	Received for Laboratory by:	Date/Time
Method of Shipment:		FED EXP. AIRBILL # 7609072262	

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LABORATORY REPORT

for

Hart Engineers
10 Center West III
Suite 106
Pittsburgh, PA 15276

Attention: Robert Centinaro

Cap Reduction
Tests

8 tests PCB

4 @ 6"

4 @ 2'

Job #: 00008-02-
00003-07

Report date: 09/27/88
Number of samples analyzed: 8
AES Project ID: 880922 J



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: 1-6"
AES sample #: 880922 J01

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 09/21/88
Date sample received: 09/22/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-5	09/22/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: 1-2'
AES sample #: 880922 J02

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 09/21/88
Date sample received: 09/22/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-5	09/22/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: 2-6"
AES sample #: 880922 J03

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 09/21/88
Date sample received: 09/22/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	6	ug/g	PCB-E-5	09/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: 2-2'
AES sample #: 880922 J04

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 09/21/88
Date sample received: 09/22/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	2	ug/g	PCB-E-5	09/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: 3-6"
AES sample #: 880922 J05

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 09/21/88
Date sample received: 09/22/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-5	09/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: 3-2'
AES sample #: 880922 J06

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 09/21/88
Date sample received: 09/22/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-5	09/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: 4-6"
AES sample #: 880922 J07

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 09/21/88
Date sample received: 09/22/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-5	09/23/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: 4-2'
AES sample #: 880922 J08

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 09/21/88
Date sample received: 09/22/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	<1	ug/g	PCB-E-5	09/23/88

APPROVED BY: Frank Sander
Report date: 09/27/88



PLEASE CALL IN RESULTS
ASAP TO BOB CENTINARO
(412) 787-7144

P.O. Box 265

296 Riverside Avenue

Rensselaer, NY 12144

(518) 434-4540

CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME

FC HARTA

SAMPLERS: (Signature)

[Signature]

00008-02-00003-07

SAMPLE NUMBER	SAMPLE IDENTIFICATION & LOCATION	DATE	TIME A = a.m. P = p.m.	SAMPLE TYPE		NUMBER OF CONT'S	ANALYSIS REQUIRED
				MATRIX	COMP GRAB		
810922-501	1-6	9-12-503	A	SOIL	X	1	P CB
922-502	1-2		A		X		
922-503	6-2		A		X		
922-504	2-2		A		X		
922-505	3-2		A		X		
922-506			A		X		
922-507			A		X		
922-508			A		X		
SEND RESULTS TO: BOB CENTINARO							
PENN CENTER WEST III, SUITE 106							
PGH, PA 15276-0001							
(412) 787-7144							

Relinquished by: (Signature)

[Signature]

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by Mobile Laboratory for field analysis: (Signature)

Date/Time

Dispatched by: (Signature)

Date/Time

Received for Laboratory by:

Date/Time

Method of Shipment:

FED. EXP. AIRBILL # 7609072354

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All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or non-performance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**



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LABORATORY REPORT

for

F.C. Hart Associates
C/O Hart Engineers
Penn Center West III, S106
Pittsburgh, PA 15276 0001

Attention: Robert Centinaro

Tanks
2, 3 + 8

Job #: 00008020000307

Report date: 10/12/88
Number of samples analyzed: 3
AES Project ID: 880930 F



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CLIENT: F.C. Hart Associates

CLIENT'S SAMPLE ID: Tank 2

AES sample #: 880930 F01

Samples taken by: S.R.

MATRIX: soil

Date Sampled: 09/29/88

Date sample received: 09/30/88

Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	8	ug/g	OG-G 16	09/30/88



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CLIENT: F.C. Hart Associates

CLIENT'S SAMPLE ID: Tank 3

AES sample #: 880930 F02

Samples taken by: S.R.

MATRIX: soil

Date Sampled: 09/29/88

Date sample received: 09/30/88

Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	24	ug/g	OG-G 16	09/30/88



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CLIENT: F.C. Hart Associates

CLIENT'S SAMPLE ID: Tank 8

AES sample #: 880930 F03

Samples taken by: S.R.

MATRIX: soil

Date Sampled: 09/29/88

Date sample received: 09/30/88

Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	12	ug/g	OG-G-16	09/30/88

APPROVED BY: Frank Scuderi
Report date: 10/12/88

(518) 434-4546

CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME				SAMPLERS: (Signature)			
F L 4201 00008-02-0003-07				[Signature]			
SAMPLE NUMBER	SAMPLE IDENTIFICATION & LOCATION	DATE	TIME	SAMPLE TYPE		NUMBER OF CONT'S	ANALYSIS REQUIRED
			A = a.m. P = p.m.	MATRIX	COMP GRAB		
SS0930-F01	TANK 2	9-29-88	130	A	SOIL	✓	TPH
F02	TANK 3	9-29-88	130	A		✓	TPH
F03	TANK 8	9-29-88	140	A	✓	✓	TPH
				A			
				P			
				A			
				P			
				A			
				P			
SEND RESULTS TO:		1273		A			
BOB CENTINARO				A			
10 HUNT ENGINEERS				A			
PENN CENTER WEST, III, SUITE 106				A			
PITTSBURGH, PA 15276-0001				A			
				A			
				P			
				A			
				P			

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
[Signature]			
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time	
Dispatched by: (Signature)	Date/Time	Received for Laboratory by:	Date/Time
Method of Shipment:			
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LABORATORY REPORT

for

F.C. Hart Associates
C/O Hart Engineers
Penn Center West III, S106
Pittsburgh, PA 15276 0001

Attention: Robert Centinaro

CB Building #9

- ① Stained
- ② non stained

Job #: 00008020000307

Report date: 10/12/88
Number of samples analyzed: 2
AES Project ID: 881006 F



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CLIENT: F.C. Hart Associates
CLIENT'S SAMPLE ID: Non-Stain
AES sample #: 881006 F01

Date Sampled: 10/05/88
Date sample received: 10/06/88
Samples taken by: Steve Rudolph Location: Rocky Point
MATRIX: soil composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	4	ug/g	PCB-E-9	10/06/88



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CLIENT: F.C. Hart Associates
CLIENT'S SAMPLE ID: Stain
AES sample #: 881006 F02

Date Sampled: 10/05/88
Date sample received: 10/06/88
Samples taken by: Steve Rudolph Location: Rocky Point
MATRIX: soil composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	621	ug/g	PCB-E-9	10/06/88

APPROVED BY: Frank Scuderi
Report date: 10/12/88



24 hr Turn Around:

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CHAIN OF CUSTODY RECORD

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LABORATORY REPORT

for

Fred C. Hart Associates
Penn Center West III
Suite 106
Pittsburgh, PA 15276 0001

Attention: Robert Centinaro

Tanks

5A

9A

Job #: 000080200003 07

Report date: 10/26/88
Number of samples analyzed: 2
AES Project ID: 881018 C



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: Tank 5A

AES sample #: 881018 C01

Samples taken by: Stephen Rudolph
MATRIX: soil

Date Sampled: 10/17/88

Date sample received: 10/18/88

Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8020	<100	ug/kg	MA-F-35	10/18/88
Toluene	EPA-8020	<100	ug/kg	MA-F-35	10/18/88
Xylenes	EPA-8020	<100	ug/kg	MA-F-35	10/18/88
Ethylbenzene	EPA-8020	<100	ug/kg	MA-F-35	10/18/88
Total Petroleum Hydrocarbons	EPA-9070	2430	ug/g	O&G-B-20	10/18/88



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CLIENT: Fred C. Hart Associates

CLIENT'S SAMPLE ID: Tank 9A

AES sample #: 881018 C02

should be firehead
Date Sampled: 10/17/88
Date sample received: 10/18/88
Samples taken by: Stephen Rudolph Location: Rocky Point
MATRIX: soil composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	<u>10</u>	ug/g	O&G-B-20	10/18/88

APPROVED BY: Frank Sarden
Report date: 10/26/88



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CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME 00008-02-00003-02 FEL HART ASSOC.	SAMPLERS: (Signature) <i>[Signature]</i>

SAMPLE NUMBER	SAMPLE IDENTIFICATION & LOCATION	DATE	TIME A = a.m. P = p.m.	SAMPLE TYPE		NUMBER OF CONT'S	ANALYSIS REQUIRED
				MATRIX	COMPT GRAB		
881013-C01	TANK 54	10-17-98	2:00	SOIL	X	1	BTX
C01	TANK 5A	10-17-98	2:00	SOIL	X	1	TPH
C02	TANK 9A	10-17-98	3:15	SOIL	X	1	TPH
				A			
				P			
				A			
				P			
				A			
				P			
				A			
				P			
				A			
				P			
				A			
				P			
				A			
				P			

Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature)		Date/Time
Relinquished by: (Signature)		Received by: (Signature)		Date/Time
Relinquished by: (Signature)		Received by: (Signature)		Date/Time
Relinquished by: (Signature)		Received by Mobile Laboratory for field analysis: (Signature)		Date/Time
Dispatched by: (Signature)	Date/Time	Received for Laboratory by:		Date/Time
Method of Shipment: Fed Exp				

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LABORATORY REPORT

for

F.C. Hart Associates
C/O Hart Engineers
Penn Center West III, S106
Pittsburgh, PA 15276 0001

Attention: Robert Centinaro

Tank
5

Soil Building #
① stained

Job #: 00008020000307

Report date: 11/10/88
Number of samples analyzed: 2
AES Project ID: 881012 C



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298 Riverside Avenue
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CLIENT: F.C. Hart Associates

CLIENT'S SAMPLE ID: *Building 9

AES sample #: 881012 C01

Samples taken by: Client

MATRIX: soil

Date Sampled: 10/11/88

Date sample received: 10/12/88

Location: Rocky Pt.
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	3	ug/g	PCB-E-10	10/12/88



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CLIENT: F.C. Hart Associates

CLIENT'S SAMPLE ID: Tank 5A

AES sample #: 881012 C02

Samples taken by: Client
MATRIX: soil

Date Sampled: 10/11/88

Date sample received: 10/12/88

Location: Rocky Pt.
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-418.1	10	ug/g	OB-B-20	10/18/88
Benzene	EPA-602	5340	ug/kg	MA-F-34	10/13/88
Toluene	EPA-602	56,200	ug/kg	MA-F-34	10/13/88
Xylenes	EPA-602	3450	ug/kg	MA-F-34	10/13/88
Ethylbenzene	EPA-602	2230	ug/kg	MA-F-34	10/13/88

APPROVED BY: Frank Scuderi
Report date: 11/10/88



Location Rock, NY

P.O. Box 265

298 Riverside Avenue

Rensselaer, NY 12144

(518) 434-4546

CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME <i>F.C. HART & ASSOC</i>	SAMPLERS: (Signature) <i>[Signature]</i>

SAMPLE NUMBER	SAMPLE IDENTIFICATION & LOCATION	DATE	TIME A = a.m. P = p.m.	SAMPLE TYPE		NUMBER OF CONT'S	ANALYSIS REQUIRED
				MATRIX	COMP GRAB		
SS100-CO1	* BUILDING 9	10-11-32	A	SOIL	X	1	PC
SS100-CO2	TANK 57	↓	A	✓	X	1	TPH
SS100-CO2	TANK 5A	↓	A	✓	✓	1	BTX
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date/Time
Relinquished by: (Signature) 	Received by: (Signature) 	Date/Time
Relinquished by: (Signature) 	Received by: (Signature) 	Date/Time
Relinquished by: (Signature) 	Received by Mobile Laboratory for field analysis: (Signature) 	Date/Time
Dispatched by: (Signature) 	Date/Time 	Received for Laboratory by: <i>[Signature]</i>
Method of Shipment: <i>Fed Exp AIRBILL # 7609072321</i>		Date/Time <i>10/13/99 9:34</i>

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PINK - Generator Copy



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LABORATORY REPORT

for

Hart Engineers
10 Center West III
Suite 106
Pittsburgh, PA 15276

Attention: Robert Centinaro

Tank

5A

2 samples

Job #: 000080200003-67

Report date: 11/07/88
Number of samples analyzed: 2
AES Project ID: 881020 D



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: Tank 5A-1
AES sample #: 881020 D01

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 10/19/88
Date sample received: 10/20/88
Location: Rocky Point
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	<10	ug/g	OG-B-20	10/20/88



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CLIENT: Hart Engineers
CLIENT'S SAMPLE ID: Tank 5A-2
AES sample #: 881020 D02

Samples taken by: S.R.
MATRIX: soil

Date Sampled: 10/19/88
Date sample received: 10/20/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Petroleum Hydrocarbons	EPA-9070	<10	ug/g	OG-B-20	10/20/88

APPROVED BY: Frank Scuderi
Report date: 11/07/88



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CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME 2000B-01-00003-03 HART ENGINEERS SAMPLERS (Signature) [Signature]

SAMPLE NUMBER	SAMPLE IDENTIFICATION & LOCATION	DATE	TIME A = a.m. P = p.m.	SAMPLE TYPE		NUMBER OF CONT'S	ANALYSIS REQUIRED
				MATRIX	COMB GRAB		
1020-001	SA TANK - 1		A		X	1	T.O.T.
1022	TANK SA - 2		A		X	1	T.O.T.
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time
Dispatched by: (Signature)	Date/Time	Received for Laboratory by: <u>[Signature]</u> Date/Time <u>10/20/00 11:00</u>
Method of Shipment: <u>FED EXP A.A.A.L. 21649 11976</u>		

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LABORATORY REPORT

for

F.C. Hart Associates
C/O Hart Engineers
Penn Center West III, S106
Pittsburgh, PA 15276 0001

Attention: Robert Centinaro

Debris Inside
Building #1
Rocky Point.
PCB

Job #: 00008020000307

Report date: 11/15/88
Number of samples analyzed: 1
AES Project ID: 881109 B



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CLIENT: F.C. Hart Associates
CLIENT'S SAMPLE ID: Sample #1
AES sample #: 881109 B01

Samples taken by: Client
MATRIX: soil

Date Sampled: 11/09/88
Date sample received: 11/14/88
Location: Rocky Point
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
PCB	EPA-8080	50	ug/g	PCB-E-18	11/10/88

APPROVED BY: Frank Sinden
Report date: 11/15/88

TRANSFORMER WEIGHTS

1. 1020	25. 680
2. 1120	26. 680
3. 1140	27. 680
4. 1500	
5. 5300	
6. 2560	
7. 1200	
8. 1200	
9. 2040	
10. 2000	
11. 1180	
12. 520	
13. 520	
14. 980	
15. 620	
16. 340	
17. 320	
18. 240	
19. 240	
20. 240 <u>Rocky Point</u>	
21. 340 <u>RIVER HEAD</u>	
22. 340	
23. 340	
24. 220	

TOTAL WEIGHT = 40,160 LBS.



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

1200 lbs

O.M. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3528
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR 046

BLDG. #1 FLOOR 1ST AREA _____

SIZE: HT. 4' LENGTH 3' WIDTH 2'

SERIAL NUMBER: 906473 MANUFACTURER MALONEY ELECTRIC CO.

CAPACITY IN GALLONS: 78 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 30 KVA AT 40°C RISE
TYPE SPL, 2.8% IMPEDANCE
220Δ PRIMARY VOLTAGE, 6150Y SECONDARY VOLTAGE
50/60 HZ, TOTAL WT. 1625 lbs.

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

SAMPLE TAKEN Aug. 31ST, 1988. BWC

INFORMATION COMPILED BY

Larry Conway
Division of The KBI Corp.

DATE

Aug. 31ST, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

1200 lbs

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
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800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR 045

BLDG. #1 FLOOR 1ST AREA _____

SIZE: HT. 4' LENGTH 3' WIDTH 2'

SERIAL NUMBER: 906478 MANUFACTURER MALONEY ELECTRIC CO.

CAPACITY IN GALLONS: 78 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 30 KVA AT 40°C RISE
TYPE SPL, 2.8% IMPEDANCE
220V PRIMARY VOLTAGE, 6150V SECONDARY VOLTAGE
50/60 HZ, TOTAL WT. 1625 lbs.

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

SAMPLE TAKEN Aug. 31ST, 1988, BWC

INFORMATION COMPILED BY Darryl Conway DATE Aug. 31ST, 1988
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JOB # 6321

980 lbs

O.H. MATERIALS CO.
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P.O. Box 551
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800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR

INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR #044

BLDG. #1 FLOOR 2ND AREA _____

SIZE: HT. 60" LENGTH 36" WIDTH 27"

SERIAL NUMBER: 2583206 MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: 66 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 50 KVA

VOLTAGE - 243, 230, & 218

4.7% IMPEDANCE

TYPE - ST, STYLE - S030 R296

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY Barry Conway DATE Aug. 30th, 1988
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JOB # 6321

1020

O.H. MATERIALS CO.
16406 U.S. Route 224 East
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Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR #043
BLDG. #1 FLOOR 2ND AREA _____
SIZE: HT. 60" LENGTH 36" WIDTH 27"
SERIAL NUMBER: 2583207 MANUFACTURER WESTINGHOUSE
CAPACITY IN GALLONS: 66 gal. FLUID NAME N/A
OTHER TAG INFORMATION: KVA/VOLTS 50 KVA
VOLTAGE - 243, 230, 218
4.7% IMPEDANCE
TYPE - ST, STYLE - 5030 R296
STAGING AREA (distance in feet from unit): N/A
ACCESS TO UNIT: N/A
UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____
DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Barry Conway

DATE

Aug. 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB #

320

TRANSFORMER & CAPACITOR

INVESTIGATION SHEET

O.H. MATERIALS CO.
16406 U.S. Route 224 East
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Findlay, Ohio 46839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

LOCATION: OUTDOOR _____ INDOOR 0412

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 40" LENGTH _____ WIDTH _____

SERIAL NUMBER: _____ MANUFACTURER _____

CAPACITY IN GALLONS: _____ FLUID NAME _____

OTHER TAG INFORMATION: KVA/VOLTS _____

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: _____

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY _____ DATE _____



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JOB # 6321

240

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TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR #041

BLDG. #1 FLOOR 1ST AREA _____

SIZE: HT. 18" LENGTH 12" WIDTH 12"

SERIAL NUMBER: N/A MANUFACTURER GENERAL ELECTRIC

CAPACITY IN GALLONS: ~5 GAL. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS N/A

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY Barry Conaway DATE Aug. 30th, 1988
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THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

240

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P.O. Box 551
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Phone: 419-423-3526
800-537-9540 (24 hr)
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Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR #040

BLDG. #1 FLOOR 15 AREA _____

SIZE: HT. 18" LENGTH 12" WIDTH 12"

SERIAL NUMBER: N/A MANUFACTURER GENERAL ELECTRIC

CAPACITY IN GALLONS: ~ 5 gals. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS N/A

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY Barry Conaway DATE Aug 30th, 1988



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JOB # 6321

240

O.H. MATERIALS CO.
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P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR #039

BLDG. #1 FLOOR 1st AREA _____

SIZE: HT. 18" LENGTH 12" WIDTH 12"

SERIAL NUMBER: N/A MANUFACTURER GENERAL ELECTRIC

CAPACITY IN GALLONS: ~5 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS N/A

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Larry Conway

DATE

Aug. 30th, 1988

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THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

520

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR #038

BLDG. #1 FLOOR _____ AREA _____

SIZE: HT. 33" LENGTH 42" WIDTH 20"

SERIAL NUMBER: 4380A05 MANUFACTURER GENERAL ELECTRIC

CAPACITY IN GALLONS: 73 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 6.33 KVA AT 55°C RISE
50/60 HZ., VOLTAGE RATING - 1520/2630(Y2) - 220(Δ)
TYPE - KT-1437, FORM R

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY Barry Conaway DATE Aug 30th 1988
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THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

1180 lbs

O.H. MATERIALS CO.
16408 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR #037
BLDG. #1 FLOOR 1ST AREA _____

SIZE: HT. 4' LENGTH 2'8" WIDTH 23"

SERIAL NUMBER: N/A MANUFACTURER AMERICAN TRANSFORMER

CAPACITY IN GALLONS: ~100 gal FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS N/A

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY Barry Conway DATE Aug. 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

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Phone: 419-423-3528
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
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TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR #036

BLDG. #1 FLOOR 1ST AREA _____

SIZE: HT. 12" LENGTH 12" WIDTH 12"

SERIAL NUMBER: N/A MANUFACTURER N/A

CAPACITY IN GALLONS: ~5 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS N/A

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Barry Conway

DATE

Aug. 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

5300 LBS.

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR #035
BLDG. #1 FLOOR 1ST AREA _____
SIZE: HT. 7 1/2" LENGTH _____ WIDTH 4'
SERIAL NUMBER: N/A MANUFACTURER N/A
CAPACITY IN GALLONS: ~200 FLUID NAME N/A
OTHER TAG INFORMATION: KVA/VOLTS N/A

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Barry Conway

DATE

Aug 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

17500 lbs
O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR

INVESTIGATION SHEET

LOCATION: OUTDOOR #34 INDOOR _____

BLDG. #1 FLOOR _____ AREA _____

SIZE: HT. 9' LENGTH 4' WIDTH 7 1/2"

SERIAL NUMBER: N/A MANUFACTURER N/A

CAPACITY IN GALLONS: ~ 800 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS N/A

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Barry Conway

DATE

Aug. 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

7720 lbs

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
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800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR #833 INDOOR _____

; BLDG. #1 FLOOR _____ AREA _____

SIZE: HT. 9' LENGTH 4' WIDTH 7 1/2"

SERIAL NUMBER: N/A MANUFACTURER N/A

CAPACITY IN GALLONS: ~ 800 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS N/A

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

O.H. MATERIALS CO.
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800-537-9540 (24 hr)
800-537-5660 (In Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR

INVESTIGATION SHEET

LOCATION: OUTDOOR #032 INDOOR _____

BLDG. _____ FLOOR _____ AREA SECTION 'C'

SIZE: HT. 36" LENGTH _____ WIDTH DIAMETER 31"

SERIAL NUMBER: 0442A2065-20 MANUFACTURER GENERAL ELECTRIC

CAPACITY IN GALLONS: 60 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 14,400 VOLTS

MAX. DESIGNED - 15,500 VOLTS

WT. OF TANK W/ OIL - 595 LBS.

WT. OF BUSHING - 19 LBS., 600 AMPS, 60 HZ

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Barry Conway

DATE

Aug 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

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TRANSFORMER & CAPACITOR

INVESTIGATION SHEET

LOCATION: OUTDOOR # 031 INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 33" LENGTH _____ WIDTH DIAMETER - 24"

SERIAL NUMBER: _____ MANUFACTURER MALONEY

CAPACITY IN GALLONS: 13 ga/s FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 25 KVA

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Darryl Conway

DATE

Aug 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

340 lbs

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR

INVESTIGATION SHEET

LOCATION: OUTDOOR # 030 INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 33" LENGTH _____ -WIDTH DIAMETER - 24"

SERIAL NUMBER: N/A MANUFACTURER MALONEY

CAPACITY IN GALLONS: 13 gals. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 25 KVA

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Larry Conaway

DATE

Aug 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3528
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & ~~CAPACITOR~~

INVESTIGATION SHEET

LOCATION: OUTDOOR #029 INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 33" LENGTH _____ WIDTH Diameter - 24"

SERIAL NUMBER: 0-27449-1-7 MANUFACTURER McGraw-Edison Company

CAPACITY IN GALLONS: ~20 gals. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 2^{BULK} 25KVA

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Barry Caraway

DATE

Aug 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

2000 lbs

O.H. MATERIALS CO.
16408 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3528
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR

INVESTIGATION SHEET

LOCATION: OUTDOOR #028 INDOOR _____

BLDG. GENERATOR FLOOR _____ AREA _____

SIZE: HT. 60" LENGTH 31" WIDTH 44"

SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: 150 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 150 KVA AT

SINGLE PHASE, TYPE-SK

60 cycles, 3% or 4% impedance

VOLTAGES - 2400, 2280, 2160 & 1240

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Barry Conaway

DATE

Aug 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

2040 lbs

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

TRANSFORMER & CAPACITOR

INVESTIGATION SHEET

LOCATION: OUTDOOR #27 INDOOR _____

BLDG. GENERATOR FLOOR _____ AREA _____

SIZE: HT. 60" LENGTH 31" WIDTH 44"

SERIAL NUMBER: 1960332 MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: 150 gal. FLUID NAME N/A

OTHER TAG INFORMATION: KVA/VOLTS 150KVA AT 55°C TEMP. RISE

SINGLE PHASE, TYPE SK

60 cycles 3% or 4% IMPEDANCE

VOLTAGES - 2400, 2280, 2160, 1240

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: N/A

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY

Darryl Conway
Division of The KBI Corp.

DATE

Aug. 30th, 1988



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

SAMPLE NO. 014

TRANSFORMER & CAPACITOR

INVESTIGATION SHEET

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

LOCATION: OUTDOOR _____ INDOOR CONTROL SHED

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 20" LENGTH 4" WIDTH 12"

SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: Approx 5 FLUID NAME OIL

OTHER TAG INFORMATION: KVA/VOLTS N/A

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: DISCONNECTED FROM BREAKER

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)

INFORMATION COMPILED BY _____ DATE _____



THE ENVIRONMENTAL SERVICES COMPANY

JOB #6321

2660 lbs

SAMPLE NO 013
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

LOCATION: OUTDOOR FENCE CAGE INDOOR _____

BLDG. X FLOOR 02' AREA 18'

SIZE: HT. 6' LENGTH 12' WIDTH 18'

SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: EMPTY FLUID NAME N/A

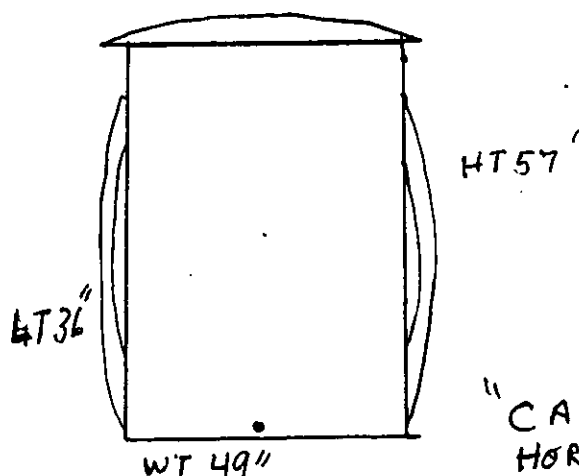
OTHER TAG INFORMATION: KVA/VOLTS -N/A

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP OF UNIT LOOSE

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)



"CAUTION"
HORNET NEST IN WIRE
PIPE ATTACHED TO
TRANSFORMER FRONT SIDE

INFORMATION COMPILED BY _____ DATE _____



JOB # 6321

1120 lbs

SAMPLE NO 012
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

LOCATION: OUTDOOR FENCE CAGE INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

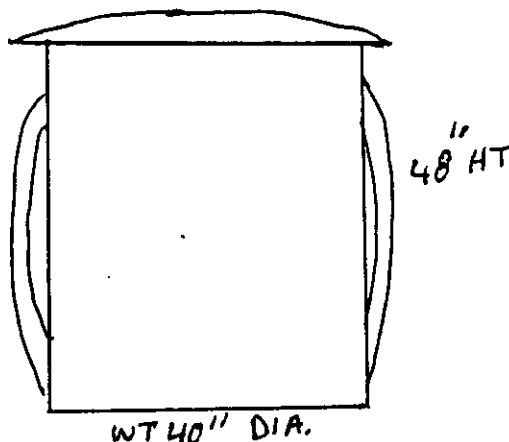
SIZE: HT. 60" LENGTH 12' WIDTH 18'SERIAL NUMBER: NA MANUFACTURER WESTINGHOUSECAPACITY IN GALLONS: APPROX 25 FLUID NAME OILOTHER TAG INFORMATION: KVA/VOLTS - N/A

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP OF UNIT IS REMOVED

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____

JOB # 6321

520 lbs

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO 011
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR FENCE CAGE INDOOR _____

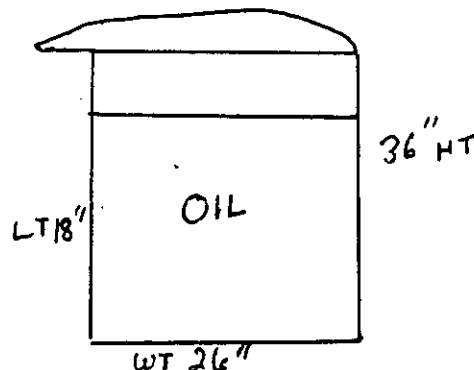
BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 26" LENGTH 12" WIDTH 18"SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSECAPACITY IN GALLONS: 5 FLUID NAME OILOTHER TAG INFORMATION: KVA/VOLTS N/A
N/A

_____STAGING AREA (distance in feet from unit): N/AACCESS TO UNIT: TOP

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

O.H. MATERIALS CO.
16408 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO 010
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR PIT INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 10' LENGTH 8' WIDTH 14'

SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: APPROX 20 10 FLUID NAME OIL

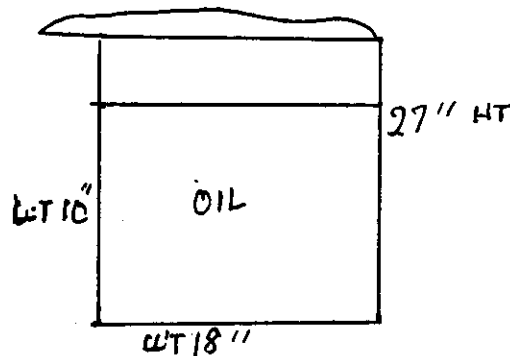
OTHER TAG INFORMATION: KVA/VOLTS - N/A

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP OF UNIT COMES OFF BOLTS ARE
REMOVED

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

O.H. MATERIALS CO.
16408 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO 009
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR PIT INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 10' LENGTH 8' WIDTH 14"

SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: APPROX 20 FLUID NAME OIL

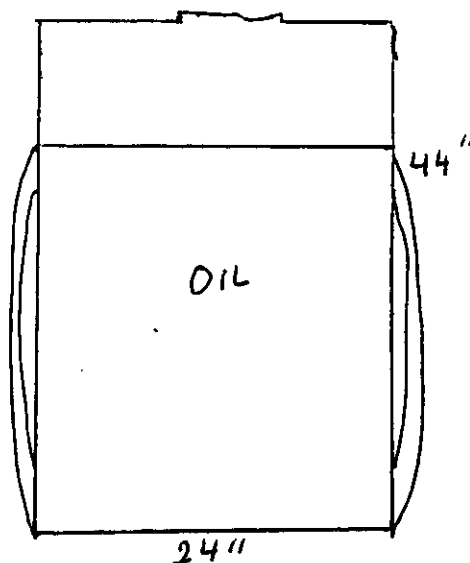
OTHER TAG INFORMATION: KVA/VOLTS N/A
INSULDUR 50+

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP OF UNIT COMES OFF BOLTS ARE REMOVED

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

SAMPLE NO 008
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3528
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

LOCATION: OUTDOOR PIT INDOOR

BLDG. FLOOR AREA

SIZE: HT. 10' LENGTH 8' WIDTH 14'

SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: APPROX 20 FLUID NAME OIL

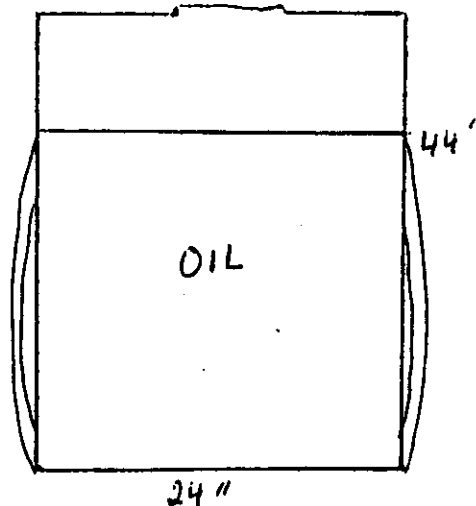
OTHER TAG INFORMATION: KVA/VOLTS N/A
INSUL DUR 50 +

STAGING AREA (distance in feet from unit):

ACCESS TO UNIT: TOP, OF UNIT COMES OFF BOLTS ARE
REMOVED

UTILITIES (distance in feet from unit): WATER ELECTRIC

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY DATE



THE ENVIRONMENTAL SERVICES COMPANY

JOB #6321

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO 007
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR PIT INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 10' LENGTH 8' WIDTH 14'

SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: APPROX 20 FLUID NAME OIL

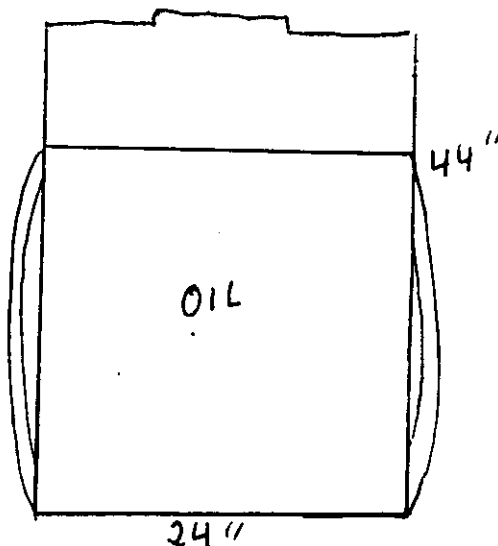
OTHER TAG INFORMATION: KVA/VOLTS N/A
INSULDR 50+

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP OF UNIT COMES OFF BOLTS ARE
REMOVED

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____



JOB # 6321

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO 006
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR ☒BLDG. ☒ FLOOR _____ AREA _____

SIZE: HT. 15' LENGTH 12' WIDTH 10'

SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSE

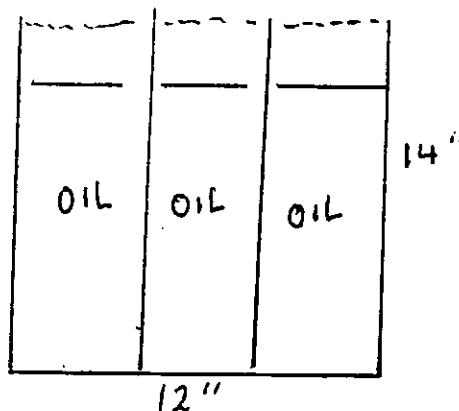
CAPACITY IN GALLONS: APPROX 5 FLUID NAME OIL

OTHER TAG INFORMATION: KVA/VOLTS - N/A
OIL CIRCUIT BREAKERS

STAGING AREA (distance in feet from unit): N/A

ACCESS TO UNIT: TOP, UNIT IS REMOVED FROM CIRCUIT
BREAKER BRACKETUTILITIES (distance in feet from unit): WATER ☒ ELECTRIC ☒

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO 005
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR _____ INDOOR ☒

BLDG. ☒ FLOOR _____ AREA _____

SIZE: HT. 15' LENGTH 12' WIDTH 10'

SERIAL NUMBER: N/A MANUFACTURER WESTING HOUSE

CAPACITY IN GALLONS: APPROX 5 FLUID NAME OIL

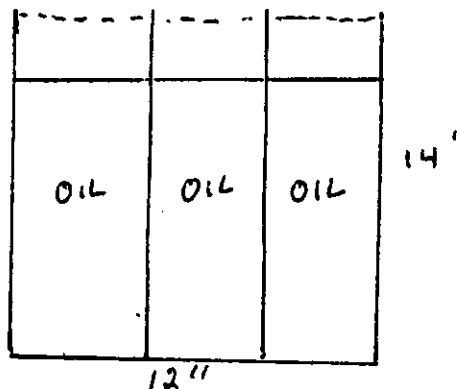
OTHER TAG INFORMATION: KVA/VOLTS - N/A
OIL CIRCUIT BREAKER

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP, UNIT IS REMOVED FROM CIRCUIT
BREAKER BRACKET

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551
Phone: 419-423-3528
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO 004
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR ~~XXXX~~ INDOOR ☒

BLDG. ☒ FLOOR _____ AREA _____

SIZE: HT. 15' LENGTH 12' WIDTH 10'

SERIAL NUMBER: N/A MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: APPROX 3 FLUID NAME OIL

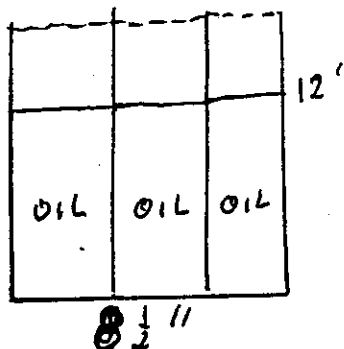
OTHER TAG INFORMATION: KVA/VOLTS N/A
OIL CIRCUIT BREAKERS

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP UNIT IS REMOVED FROM CIRCUIT
BREAKER BRACKET

UTILITIES (distance in feet from unit): WATER ☒ ELECTRIC ☒

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO. 003
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR PIT INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 10' LENGTH 15' WIDTH 15'

SERIAL NUMBER: 1527501 MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: 11.75 FLUID NAME OIL

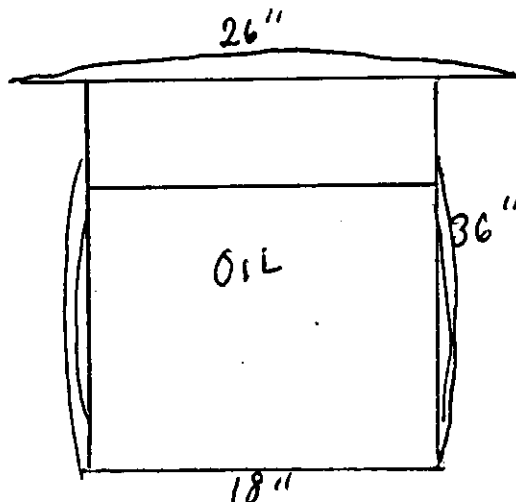
OTHER TAG INFORMATION: KVA/VOLTS 10

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP OF UNIT COMES OFF BOLTS ARE REMOVED

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC _____

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____



JOB # 6321

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 40839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO 002
TRANSFORMER & CAPACITOR
INVESTIGATION SHEET

LOCATION: OUTDOOR PIT INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 10' LENGTH 15' WIDTH 15'

SERIAL NUMBER: 1527502 MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: 11.75 FLUID NAME OIL

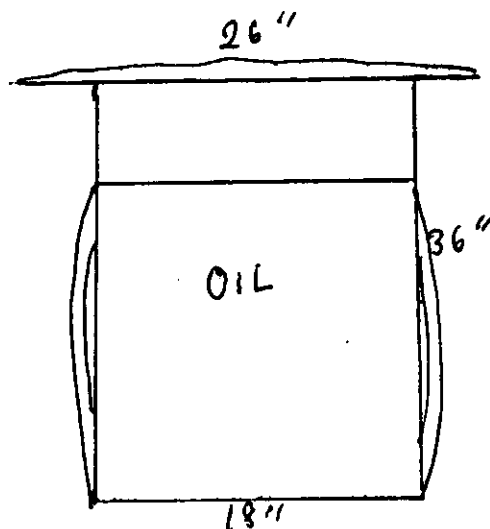
OTHER TAG INFORMATION: KVA/VOLTS 10 KVA

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP OF UNIT COMES OFF BOLTS ARE REMOVED

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC ✓

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____



THE ENVIRONMENTAL SERVICES COMPANY

JOB # 6321

O.H. MATERIALS CO.
16406 U.S. Route 224 East
P.O. Box 551
Findlay, Ohio 45839-0551

Phone: 419-423-3526
800-537-9540 (24 hr)
800-537-5660 (in Ohio)
Telex: 298248 OHMI UR (RCA)

SAMPLE NO 001
TRANSFORMER & ~~CAPACITOR~~
INVESTIGATION SHEET

LOCATION: OUTDOOR PIT INDOOR _____

BLDG. _____ FLOOR _____ AREA _____

SIZE: HT. 10' LENGTH 15' WIDTH 15'

SERIAL NUMBER: 1527499 MANUFACTURER WESTINGHOUSE

CAPACITY IN GALLONS: 11.75 FLUID NAME _____

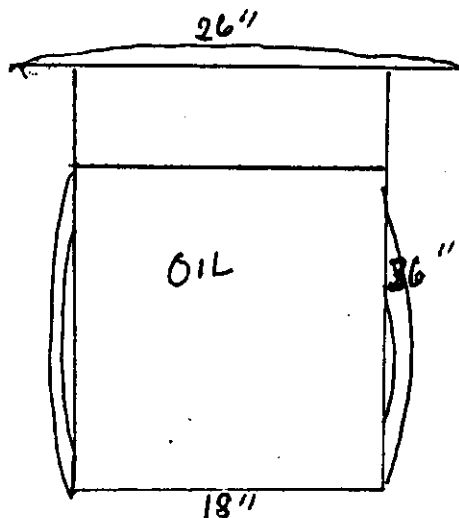
OTHER TAG INFORMATION: KVA/VOLTS 10 KVA
SINGLE PHASE

STAGING AREA (distance in feet from unit): _____

ACCESS TO UNIT: TOP OF UNIT COMES OFF BOLTS ARE
REMOVED

UTILITIES (distance in feet from unit): WATER _____ ELECTRIC ✓

DIAGRAM OF UNIT: (show drain locations and size for transformers)



INFORMATION COMPILED BY _____ DATE _____

ANALYTICAL REPORT

Findlay Laboratory, A Division of
Environmental Testing and Certification Corp.
16406 U.S. Route 224 East
P.O. Box 1404
Findlay, Ohio 45839-1404

ETC - FINDLAY LABORATORY

CLIENT: General Electric Co.
Long Island, NY

ATTN: S. Archinal

PROJECT NUMBER: 6321

SAMPLE TYPE: Solid

ANALYSIS PERFORMED:

Landfill Disposal Parameters

(Sample: 03)

DATE COMPLETED: 1/13/89

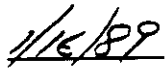
DATE RECEIVED: 12/22/88

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. Environmental Testing and Certification Corp. assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

The analyses and data interpretation that form the basis of this report was prepared under the direct supervision and control of the undersigned who is solely responsible for the contents and conclusions therein.

Reviewed and
Approved by:


R. J. Schock, Mgr., ETC-Findlay Laboratory


Date

PROJECT 6321SUMMARY REPORT OF ANALYTICAL SERVICES1. INTRODUCTION

Environmental Testing & Certification Corp. (ETC) Findlay Lab., received 1 sample from O.H. Materials Corp. This sample was acquired by their technical personnel and transferred to the laboratory complete with a chain-of-custody record, a copy of which is attached for reference. These samples were analyzed for Landfill Disposal parameters.

2. ANALYTICAL METHODOLOGYTotal Phenols - Soil

Samples were prepared and analyzed according to EPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, July 1982; Method 9065, Phenolics (Spectrophotometric, Manual 4-AAP with Distillation).

GC/MS Volatile Organic Analyses and Screens

Volatile analysis of the samples was performed using methods based on EPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, July 1982; Method 8240, GC/MS Methods for Volatile Organics.

GC/MS Semi-Volatile Organic Analyses and Screens

Acid and base neutral extractables were prepared and analyzed according to USEPA Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, July 1982, Method 8270, GC/MS Method for Semivolatile Organics. Extractions were performed by either Method 3540, Soxhlet Extraction or Method 3550, Sonication Extraction.

Density

Densities were determined by either ASTM Method D1298-90 for liquids or by Method 213E for solids, Standard Methods for the Examination of Water and Wastewater, 16th edition, 1985.

Total Solids

Solid samples were analyzed for Total Solids (TS) according to Standard Methods for the Examination of Water and Wastewater, 16th edition, 1985; Method 209F, Residue, Total, Gravimetric, Dried at 103°C-105°C.

PROJECT 6321SUMMARY REPORT OF ANALYTICAL SERVICESPolychlorinated Biphenyls and Organochlorine Pesticides

Solid samples are prepared and analyzed according to USEPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, 2nd edition, July 1982; Method 3550, Sonication Extraction and Method 8080, Organochlorine Pesticides and PCBs.

Total and Amenable Cyanide

Samples were prepared and analyzed according to USEPA Test Methods for Evaluating Solid Wastes, SW-846, 2nd edition, July 1982 (Revised April 1984); Method 9010, Total and Amenable Cyanide.

pH

Samples are tested for pH according to USEPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, 2nd edition, July 1982; Method 9041, pH Paper Method.

Sulfides

Sulfide analyses were performed according to EPA 600/4-84-038, Characterization of Hazardous Waste Sites-A Methods Manual, May 1984; Section 17, G.1.2. Determination of Sulfide in Solid Phase Hazardous Waste Disposal Site Samples.

Paint Filter Test

This test was performed on the samples in accordance with Method 9095, Paint Filter Liquids Test; USEPA SW-846, 2nd edition, July 1982, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods.

Flash Point (Seta-Flash)

Flash points were performed at 60°C according to the procedure specified in USEPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, 2nd edition, July 1982; Method 1020, Seta-flash Closed-cup Method.

PROJECT 6321SUMMARY REPORT OF ANALYTICAL SERVICESRCRA ParametersMetals

Samples were prepared and analyzed according to USEPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, 2nd edition, July 1982. Samples were prepared by Method 3010, 3030, 3050, or 1310 as appropriate for the following metals: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Sample analyses for these metals were performed according to Method 6010, Inductively Coupled Plasma Method (SW-846 Proposed Sampling and Analytical Methodologies, 1984).

Pesticides

Solid sample leachates were analyzed for pesticides according to Standard Methods for the Examination of Water and Wastewater, 16th edition, 1985; Method 509A.

Herbicides

Solid sample leachates were analyzed for herbicides according to Standard Methods for the Examination of Water and Wastewater, 16th edition, 1985; Method 509B.

3. ANALYTICAL RESULTS

The following tables detail the results of the various analyses performed on sample #6321-03.

PROJECT 6321TABLE 1 - LANDFILL DISPOSAL ANALYSIS

SAMPLE IDENTIFIER: Solid; Composite of Containers
ETC SAMPLE NUMBER: 6321-03

Parameter	Result
Color	Brown
Flash Point, SF, CC	> 95°C
Density	0.585 g/cm ³
pH Test	8.71 pH units
Total Sulfide	1.03 mg/Kg
Total Cyanide	< 1.0 mg/Kg
Amenable Cyanide	< 1.0 mg/Kg
Total Phenols	4.06 mg/Kg
Paint Filter Test	Pass
Total Solids	44.4% by weight

PROJECT 6321TABLE 2 - VOLATILE ORGANICS

SAMPLE IDENTIFIER: Solid; Composite of Containers
ETC SAMPLE NUMBER: 6321-03

Compound	Concentration (mg/Kg)
Acrolein	BDL*
Acrylonitrile	BDL*
Benzene	BDL
Bromomethane	BDL
Bromodichloromethane	BDL
Bromoform	BDL
Carbon Tetrachloride	BDL
Chlorobenzene	BDL
Chloroethane	BDL
2-Chloroethylvinyl ether	BDL
Chloroform	BDL
Chloromethane	BDL
Dibromochloromethane	BDL
1,2-Dichlorobenzene	BDL
1,3-Dichlorobenzene	BDL
1,4-Dichlorobenzene	BDL
1,1-Dichloroethane	BDL
1,2-Dichloroethane	BDL
1,1-Dichloroethene	BDL
Trans-1,2-Dichloroethene	BDL
1,2-Dichloropropane	BDL
Cis-1,2-Dichloropropene	BDL
Trans-1,3-Dichloropropene	BDL
Ethylbenzene	BDL
Methylene Chloride	BDL
1,1,2,2-Tetrachloroethane	BDL
Tetrachloroethene	BDL
1,1,1-Trichloroethane	BDL
1,1,2-Trichloroethane	BDL
Trichloroethene	BDL
Trichlorofluoromethane	BDL
Toluene	BDL
Vinyl Chloride	BDL
Total Xylenes	BDL

*Limit of Detection = 500 mg/Kg ppm (parts-per-million)
Limit of Detection = 50.0 mg/Kg ppm
BDL = Below Detection Limit

PROJECT 6321TABLE 3 - ADDITIONAL VOLATILE HSL COMPOUNDS

SAMPLE IDENTIFIER: Solid; Composite of Containers
ETC SAMPLE NUMBER: 6321-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
Acetone	BDL	<u>250</u>
2-Butanone (MEK)	BDL	50
Carbon Disulfide	BDL	50
Ethyl ether	BDL	50
Ethylene Dibromide	BDL	50
2-Hexanone	BDL	50
4-Methyl-2-Pentanone (MIBK)	BDL	50
Styrene	231	50
Tetrahydrofuran	BDL	50
1,1,2-Trichloro-1,2,2- trifluoroethane (Freon 113)	BDL	50
Vinyl Acetate	BDL	<u>250</u>

mg/Kg = ppm (parts-per-million)
BDL = Below Detection Limit

PROJECT 6321

TABLE 4 - VOLATILE SCREEN RESULTS

SAMPLE IDENTIFIER: Solid; Composite of Containers
ETC SAMPLE NUMBER: 6321-03

Compounds	Concentration (mg/Kg)

No chromatographic peaks were present with an area greater than 25% of the internal standards

mg/Kg = ppm (parts-per-million)
BDL = Below Detection Limit

PROJECT 6321

TABLE 5 - BASE/NEUTRAL ORGANICS

SAMPLE IDENTIFIER: Solid; Composite of Containers
ETC SAMPLE NUMBER: 6321-03

Compound	Concentration (mg/Kg)	Compound	Concentration (mg/Kg)
Acenaphthene	BDL	2,4-Dinitrotoluene	BDL
Anthracene	BDL	2,6-Dinitrotoluene	BDL
Benzidine	BDL	Diethylphthalate	BDL
Benzo(a)anthracene	BDL	1,2-Diphenylhydrazine	BDL
Benzo(b)fluoranthene	BDL	Fluoranthene	BDL
Benzo(k)fluoranthene	BDL	Fluorene	BDL
Benzo(g,h,i)perylene	BDL	Hexachlorobenzene	BDL
Bis(2-chloroethyl)-ether	BDL	Hexachlorobutadiene	BDL
Bis(2-chloroethoxy)-methane	BDL	Hexachloroethane	BDL
Bis(2-ethylhexyl)-phthalate	BDL	Hexachlorocyclopentadiene	BDL
Bis(2-chloroisopropyl)ether	BDL	Indeno-(1,2,3-cd)pyrene	BDL
4-Bromophenyl phenyl ether	BDL	Isophorone	BDL
Butyl benzyl phthalate	BDL	Naphthalene	BDL
2-Chloronaphthalene	BDL	Nitrobenzene	BDL
4-Chlorophenyl phenyl ether	BDL	N-nitrosodi-n-propylamine	BDL
Chrysene	BDL	N-nitrosodiphenylamine	BDL
Dibenzo(a,h)anthracene	BDL	Phenanthrene	BDL
Di-n-butylphthalate	BLD	Pyrene	BDL
1,3-Dichlorobenzene	BDL	1,2,4-Trichlorobenzene	BDL
1,4-Dichlorobenzene	BDL		
1,2-Dichlorobenzene	BDL		

Limit of Detection = 50.0 mg/Kg ppm (parts-per-million)
BDL = Below Detection Limit

PROJECT 6321TABLE 6 - ACID EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: Solid; Composite of Containers
ETC SAMPLE NUMBER: 6321-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
4-Chloro-3-Methylphenol	BDL	50.0
2-Chlorophenol	BDL	50.0
2,4-Dichlorophenol	BDL	50.0
2,4-Dimethylphenol	BDL	50.0
2,4-Dinitrophenol	BDL	250
2-Methyl-4,6-Dinitrophenol	BDL	250
2-Nitrophenol	BDL	50.0
4-Nitrophenol	BDL	250
Pentachlorophenol	BDL	250
Phenol	BDL	50.0
2,4,6-Trichlorophenol	BDL	50.0

mg/Kg = ppm (parts-per-million)
BDL = Below Detection Limit

PROJECT 6321TABLE 7 - ADDITIONAL SEMI-VOLATILE HSL COMPOUNDS

SAMPLE IDENTIFIER: Solid; Composite of Containers
ETC SAMPLE NUMBER: 6321-03

Compound	Concentration (mg/Kg)
Aniline	BDL
Benzyl Alcohol	BDL
4-Chloroaniline	BDL
Dibenzofuran	BDL
2-Methylnaphthalene	BDL
2-Methylphenol	BDL
4-Methylphenol	BDL
2-Nitroaniline	BDL
3-Nitroaniline	BDL
4-Nitroaniline	BDL
2,4,5-Trichlorophenol	BDL

Limit of Detection = 50.0 mg/Kg ppm (parts-per-million)
BDL = Below Detection Limit

PROJECT 6321

TABLE 8 - SEMI-VOLATILE SCREEN RESULTS

SAMPLE IDENTIFIER: Solid; Composite of Containers
ETC SAMPLE NUMBER: 6321-03

=====	
Compounds	Concentration (mg/Kg)
=====	
Stigmast-5-en-3-01, (3.beta.)-	1,280
Ergosterol	732
Stigmasta, dienol	623

Limit of Detection = 50.0 mg/Kg ppm (parts-per-million)
BDL = Below Detection Limit

PROJECT 6321TABLE 9 - PESTICIDES AND PCBS

SAMPLE IDENTIFIER: Solid; Composite of Containers
 ETC SAMPLE NUMBER: 6321-03

Compound	Concentration (mg/Kg)	Detection Limit (mg/Kg)
Aldrin	BDL	0.04
BHC-alpha	BDL	0.04
BHC-beta	BDL	0.04
BHC-gamma	BDL	0.04
BHC-delta	BDL	0.04
Chlordane	BDL	0.4
4,4'-DDD	BDL	0.04
4,4'-DDE	BDL	0.04
4,4'-DDT	BDL	0.04
Dieldrin	BDL	0.04
Endosulfan-alpha	BDL	0.04
Endosulfan-beta	BDL	0.04
Endosulfan sulfate	BDL	0.04
Endrin	BDL	0.04
Endrin aldehyde	BDL	0.04
Heptachlor	BDL	0.04
Heptachlor expoxide	BDL	0.04
Toxaphene	BDL	0.4

POLYCHLORINATED BIPHENYLS

Aroclor 1016	BDL	0.4
Aroclor 1221	BDL	0.4
Aroclor 1232	BDL	0.4
Aroclor 1242	BDL	0.4
Aroclor 1248	BDL	0.4
Aroclor 1254	BDL	0.4
Aroclor 1260	BDL	0.4

mg/Kg = ppm (parts-per-million)
 BDL = Below Detection Limit

PROJECT 6321TABLE 10 - RCRA PARAMETERS

SAMPLE IDENTIFIER: EP Toxicity Leachate; Solid Composite of
Containers
ETC SAMPLE NUMBER: 6321-03

Compound	Concentration (mg/L)	Detection Limit (mg/L)

RCRA Metals

Arsenic	BDL	0.1
Barium	0.436	0.1
Cadmium	BDL	0.1
Chromium	BDL	0.1
Lead	BDL	0.1
Mercury	BDL	0.05
Selenium	BDL	0.1
Silver	BDL	0.1

Pesticides

Lindane	BDL	0.001
Endrin	BDL	0.001
Methoxychlor	BDL	0.01
Toxaphene	BDL	0.01

Herbicides

2,4-D	BDL	0.01
2,4,5-TP	BDL	0.01

mg/L = ppm (parts-per-million)
BDL = Below Detection Limit

CHAIN-OF-CUSTODY RECORD



No. 47748

O.H. MATERIALS CORP.		P.O. BOX 551		FINDLAY, OH 45839-0551		419-423-3526	
PROJECT NAME Rocky Point		PROJECT LOCATION Long Island		ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS) <i>12/15/88 11:45 PM</i>		REMARKS	
PROJECT NO. 6321		PROJECT CONTACT Jid Arching		PROJECT TELEPHONE NO. None		NUMBER OF CONTAINERS 1	
CLIENT'S REPRESENTATIVE Jid Arching		PROJECT MANAGER/SUPERVISOR Jid Arching		SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE) Composite of Containers		REMARKS	
ITEM NO.	SAMPLE NUMBER	DATE	TIME	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	03	12/15/88	1300	<i>[Signature]</i>	<i>[Signature]</i>		
2	~~113~~	~~12/15/88~~					
3							
4							
5							
6							
7							
8							
9							
10							

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1	<i>[Signature]</i>	<i>[Signature]</i>			
2	1	<i>[Signature]</i>	<i>[Signature]</i>	12/15/88		
3						
4						



ETC ENVIRONMENTAL
TESTING and CERTIFICATION

Technical Report
for
O.H. MATERIALS
4 RESEARCH WAY
PRINCETON, NJ 08540

Chain of Custody Data Required for ETC Data Management Summary Reports						
BH6639	O.H. MATERIALS	OH6321RET	MW-01	881214	1400	
ETC Sample No.	Company	Facility	Sample Point	Date	Time	Elapsed Hours

Swep T. Davis
President

This Technical Report is an INSITE™ service generated by LODESTAR™ Data Management Software.



ETC

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ETC

DEC 29, 1988
QC9958

TABLE 1: QUANTITATIVE RESULTS and QUALITY ASSURANCE DATA

PCB Compounds - GC/MS Analysis Data (QR83)

Chain of Custody Data Required for ETC Data Management Summary Reports						
BH6639	O.H. MATERIALS	0H6321RET	MM-01	881214	1400	0
ETC Sample No.	Company	Facility	Sample Point	Date	Time	Elapsed Hours

NPDES Number	Compound	Results			QC Replicate		QC Blank and Spiked Blank			QC Matrix Spike		
		Sample Concn. ug/l	MDL ug/l		First ug/l	Second ug/l	Blank Data ug/l	Concen. Added ug/l	% Recov	Unspiked Sample ug/l	Concen. Added ug/l	% Recov
18P PCB-1242		ND	46		ND	ND	ND	0	-	ND	0	-
19P PCB-1254		ND	46		ND	ND	ND	0	-	ND	0	-
20P PCB-1221		ND	46		ND	ND	ND	0	-	ND	0	-
21P PCB-1232		ND	46		ND	ND	ND	0	-	ND	0	-
22P PCB-1248		ND	46		ND	69.8	ND	100	59	ND	123	55
23P PCB-1260		ND	46		67.8	ND	ND	0	-	ND	0	-
24P PCB-1016		ND	46		ND	ND	ND	0	-	ND	0	-

All zero and variable recoveries have been manually verified.

SEMI-VOLATILE ORGANIC SCHEME TUNING AND MASS
CALIBRATION - DICHLORODIPHENYLPHOSPHINE (DCTPP)

Lab Name: ETO DCTP

Contract: _____

Lab Code: _____

Case No.: _____

SAE No.: _____

DOB No.: _____

Lab File ID: F4711

DCTPP Injection Date: 12-21-88

Instrument ID: F

DCTPP Injection time: 10:11

ION ABUNDANCE CRITERIA		% RELATIVE ABUNDANCE	
51	30-60% of mass 198	45.6	
59	Less than 2% of mass 69	0.0	0.0
69	Mass 69 relative abundance	53.7	
70	Less than 2% of mass 69	1.2	1.4
127	40-60% of mass 198	43.2	
197	Less than 1% of mass 198	0.0	
198	Base peak, 100% relative abundance	100.0	
199	5-9% of mass 198	6.3	
275	10-30% of mass 198	20.6	
365	Greater than 1% of mass 198	1.9	
441	Present, but less than mass 443	6.4	
442	Greater than 40% of mass 198	45.2	
443	17-23% of mass 442	8.3	13.5

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA	LAB	LAB	DATE	TIME
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
01	Pest VI	> F4712	12-21-88	10:33
02	BNA V	> F4713		11:29
03	BNA IV	> F4714		12:26
04	BNA III	> F4715		13:23
05	BNA II	> F4716		14:19
06	BNA I	> F4717		15:17
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

4

58
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETC CORP

Contract: _____

Lab Code: _____

Case No.: _____

SAS No.: _____ SDG No.: _____

Lab File ID: >F4729

DFTPP Injection Date: 12/22/88

Instrument ID.: F

DFTPP Injection time: 12:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30-60% of mass 198-----	53.0
68	Less than 2% of mass 69-----	0.0(0.0)1
69	Mass 69 relative abundance-----	64.7
70	Less than 2% of mass 69-----	.2(.4)1
127	40-60% of mass 198-----	52.1
197	Less than 1% of mass 198-----	0.0
198	Base peak, 100% relative abundance-----	100.0
199	5-9% of mass 198-----	6.4
275	10-30% of mass 198-----	19.0
365	Greater than 1% of mass 198-----	1.5
441	Present, but less than mass 443-----	6.1
442	Greater than 40% of mass 198-----	42.2
443	17-23% of mass 442-----	7.7(18.2)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		BNA II	>F4730	12-22-88	12:26
02		Post VI	>F4747		13:42
03		BNA IV	>F4748		14:38
04		BNA IX	>F4749		15:33
05		BNA III	>F4750		16:31
06		BNA I	>F4751	↓	17:29
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

58
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETC CORP

Contract: _____

Lab Code: _____

Case No.: _____

SAS No.: _____ SDG No.: _____

Lab File ID: >F4741

DFTPP Injection Date: 12/23/88

Instrument ID.: F

DFTPP Injection time: 04:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30-60% of mass 198-----	40.4
68	Less than 2% of mass 69-----	0.00 0.0)1
69	Mass 69 relative abundance-----	50.9
70	Less than 2% of mass 69-----	.20 .5)1
127	40-60% of mass 198-----	45.7
197	Less than 1% of mass 198-----	0.0
198	Base peak, 100% relative abundance-----	100.0
199	5-9% of mass 198-----	6.7
275	10-30% of mass 198-----	22.9
365	Greater than 1% of mass 198-----	2.2
441	Present, but less than mass 443-----	10.7
442	Greater than 40% of mass 198-----	73.6
443	17-23% of mass 442-----	13.5(18.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		BNA II	>F4742	11-23-88	04:45
02		BH6250C	>F4743		05:42
03		BH6252C	>F4745		07:35
04		BH5430C	>F4746		08:33
05		BH4161C	>F4754		10:34
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					



ETC

Appendix A

Mass Spectral Data for Quantitated Compounds

- 1) A total ion chromatogram for each sample analyzed by a GC/MS instrument.
- 2) A Quant. report used by the analyst to determine qualitative and quantitative results of the compounds present.
- 3) A mass spectrum and a reference spectrum for each priority pollutant compound detected in the sample.

QUANT REPORT

Operator ID: DL8763
Output File: ^F4738::AQ
Data File: >F4738::U6
Name: BNA 881221 F
Misc: BH6639C, QC9958, L, 780, 1

Quant Rev: 7 Quant Time: 881223 07:43
 Injected at: 881223 01:33
 Dilution Factor: 1.00000

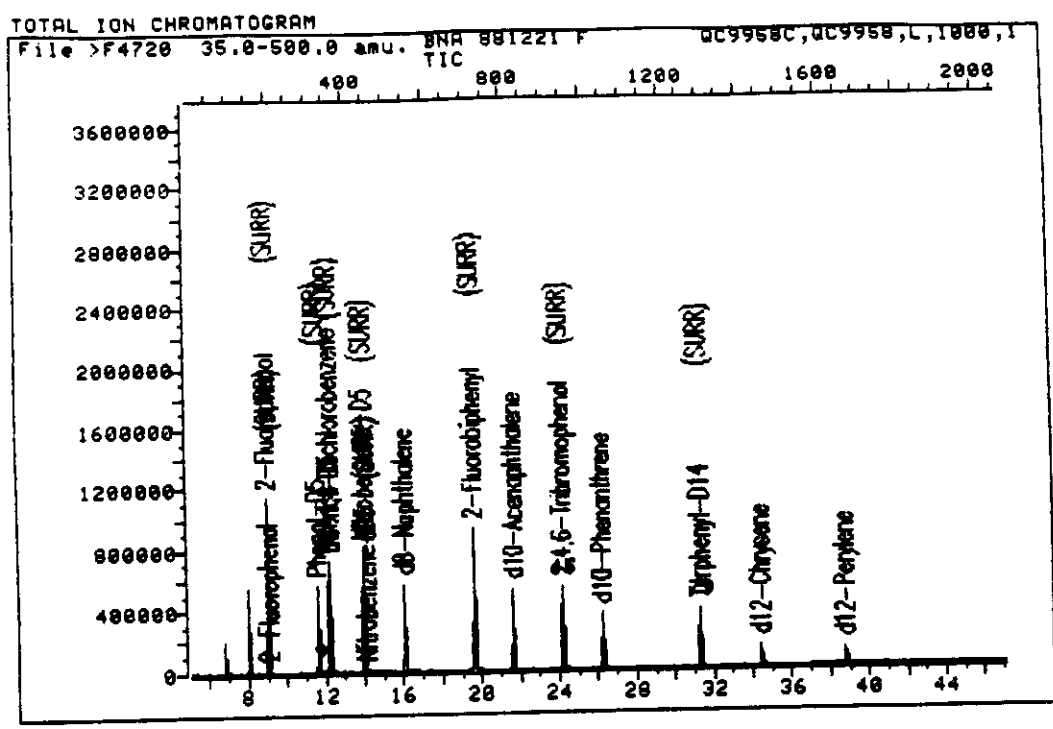
BTL#26

ID File: IF0021::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, PP/BN, PP/ACID, TCLP/ACID, T
Last Calibration: 881222 18:47

Compound	R.T.	Scan#	Area	Conc	Units	q
1) *d4-1,4-Dichlorobenzene	12.16	344	896795	40.00	UG/ML	91
7) Phenol-D5 (SURR)	12.16	344	4530	~~302~~	~~UG/ML~~	70
13) N-Nitrosodi-n-propylamine	13.92	430	221174	~~26.26~~	~~UG/ML~~	38
18) *d8-Naphthalene	16.00	532	1513348	40.00	UG/ML	93
19) Nitrobenzene-D5 (SURR)	13.92	430	1506151	76.51	UG/ML	94
25) 1,2,4-Trichlorobenzene	16.63	563	4466	~~311~~	~~UG/ML~~	96
30) *d10-Acenaphthalene	21.56	805	406734	40.00	UG/ML	96
34) 2-Fluorobiphenyl (SURR)	19.56	707	1440715	75.74	UG/ML	98
49) *d10-Phenanthrene	26.09	1027	455177	40.00	UG/ML	99
62) Di-n-butyl phthalate	28.37	1139	18437	~~2.84~~	~~UG/ML~~	98
78) *d12-Chrysene	34.36	1433	142447	40.00	UG/ML	98
79) Benzidine	31.20	1278	3887	~~15.31~~	~~UG/ML~~	100
80) Terphenyl-D14 (SURR)	31.20	1278	374208	90.14	UG/ML	94
85) bis(2-Ethylhexyl)phthalate	34.97	1463	2528	~~656~~	~~UG/ML~~	92
86) *d12-Perylene	38.56	1639	135220	40.00	UG/ML	89

* Compound is ISTD

SM 12/29/88



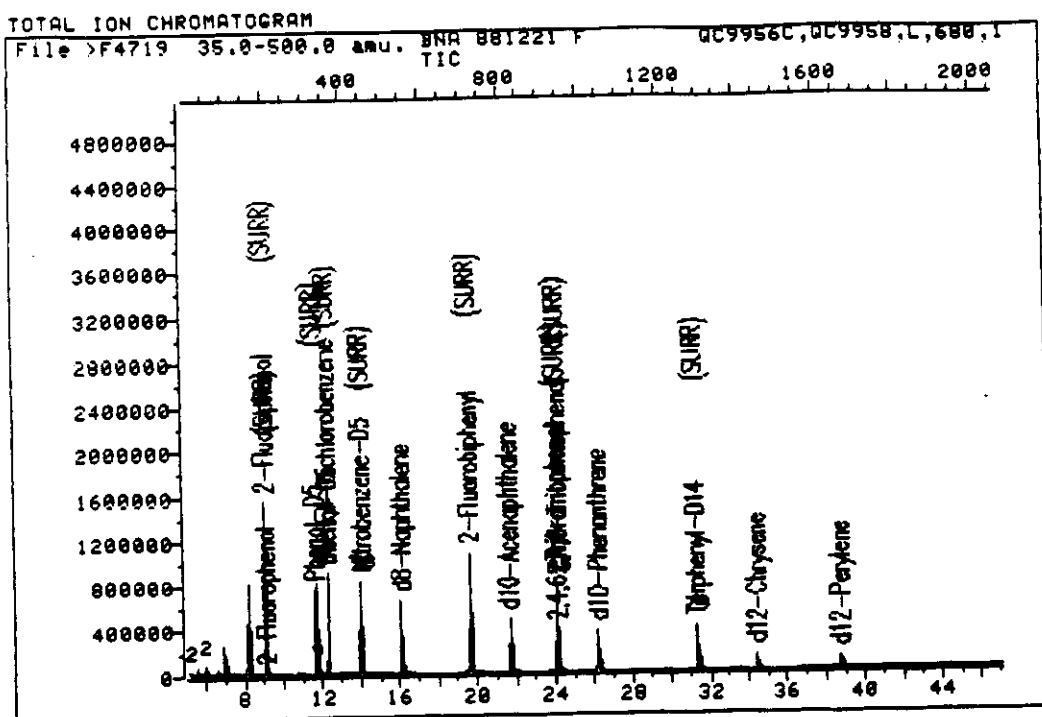
Data File: >F4720::U5
 Name: BNA 881221 F
 Misc: QC9958C, QC9958, L, 1000, 1

Quant Output File: ^F4720::AQ

BTL#10

Id File: IF0021::US
 Title: ACID/SURR, BN/SURR, PP/PST/PCB, PP/BN, PP/ACID, TCLP/ACID, T
 Last Calibration: 881222 09:31

Operator ID: MGRMS
 Quant Time: 881222 09:49
 Injected at: 881221 17:30



Data File: >F4719::U5
 Name: BNA 881221 F
 Misc: QC9956C, QC9958, L, 680, 1

Quant Output File: ^F4719::AQ

BTL# 9

Id File: IF0021::US
 Title: ACID/SURRE, BN/SURRE, PP/PST/PCB, PP/BN, PP/ACID, TCLP/ACID, T
 Last Calibration: 881222 09:31

Operator ID: MGRMS
 Quant Time: 881222 09:43
 Injected at: 881221 16:33

32455



ETC

CHAIN OF CUSTODY

Company: OH.M. Job # _____Address: _____

Attention: _____

Sample Description:

4 Sealed BubblesCM 12/15/88Sample(s) Relinquished by: [Signature]Time: 9:45 AM Date: 12/15/88Sample(s) Received by: C. MargatTime: 9:45 AM Date: 12/15/88

CHAIN-OF-CUSTODY RECORD



No. 56301

419-423-3526

FINDLAY, OH 45839-0551

P.O. BOX 551

O.H. MATERIALS CORP.

PROJECT LOCATION

PROJECT NAME: C6- Long Island
 PROJECT NO.: 0321
 PROJECT CONTACT: JEFF WEATHERLY
 CLIENT'S REPRESENTATIVE: DID ARCHINAL
 PROJECT TELEPHONE NO.: (609) 987 0010
 PROJECT MANAGER/SUPERVISOR: DID ARCHINAL

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)

NUMBER OF CONTAINERS

SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)

DATE

TIME

SAMPLE NUMBER

ITEM NO

ITEM NO	SAMPLE NUMBER	DATE	TIME	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)	REMARKS
1	12-A 1000	12-A	1000	MW-01	5	X X	500! 140084, 140098 140698 HIV 6/12
2	12-A 1530	12-A	1530	MW-02	5	X X	
3	12-A 1545	12-A	1545	FIELD BLANK	5	X X	
4	12-A	12-A		TRIP BLANK	2	X	
5							
6							
7							
8							
9							
10							

REMARKS

DATE

TIME

TRANSFERS ACCEPTED BY

TRANSFERS RELINQUISHED BY

ITEM NUMBER

TRANSFER NUMBER

1	1-A	J. WEATHERLY	C. Marget	12/15/05	1005 PM	SCALE OR FAX ETC SAMPLE #'S TO JEFF WEATHERLY (984-0010)
2						
3						
4						

SAMPLER'S SIGNATURE

Jeff Weatherly



ETC

LABORATORY CHRONICLE: GC-MS Department

DATE 12-21-88 SHIFT _____
 FRACTION BNA
 INSTRUMENT F
 TUNE FILE MTFC01
 SEQUENCE FILE FBF LOF
 METHOD FILE BNAF
 ID FILE IFC001
 ANALYST(S) J. Burkart
 SUPERVISOR John Colman
 BATCH #'s QC9958

STANDARD	CONC PPM	LOT NO.	LOT VOL.
TEST MIX			
DFTPP	50	19831	
INT STD.	4000	3505	
BNA I	20	19991 / 19999	
BNA II	50	19992 / 20001	
BNA III	80	19993 / 20001	
BNA IV	120	19994 / 20002	
BNA V	180	19995 / 20003	
BNA VI	160	20004	

(PLEASE INITIAL)

CURRENT CS05 STATUS		STANDARDS UPDATED	
ACQ		DATE	12-21-88
WIP		BY	JM

NAME	DATA FILE	uL INJ	ALS #	DIL	TAPE # time	SPECIALS (WRITE A-TYPE)	PLUS Y/N
Test mix	F4710		1				
DFTPP	F4711		2		10:12	AL	(RL)
Test VII STD.	F4712		3		10:33		
BNA V STD.	F4713		4		11:29		
BNA IV STD.	F4714		5		12:26		
BNA III STD.	F4715		6		13:23		
BNA II STD.	F4716		7		14:19	AF1260	
BNA I STD.	F4717		8		15:17		
DFTPP	F4718		2		16:11		
QC9956C	F4719		9		16:33	680	
QC9958C	F4720		10		17:30	PCBSCF	Y
QC9958CS	F4721		11		18:28	AF1260	
BH6640CS	F4722		12		19:25	610 AF1260	
BH6640CR	F4723		13		20:23	800 AF1260	
BH6640C	F4724		14		21:21	910 PCBSCF	
BH5246C	F4725		15		22:18	900	
BE9589C	F4726		16		23:15	950	
BH5867C	F4727		17		00:11	1000 reinject low Succ	
BH3402C	F4728		18		01:09	780	Y
DFTPP	F4729		2		12:02		
BNA II STD.	F4730		7		12:26	AF1260	
BH3403C	F4731		19		19:46	760	Y
BH3404C	F4732		20		19:45	780	Y
BH3406C	F4733		21		20:42	840	Y
BH3407C	F4734		22		21:40	870	Y

STDS.	KNOWN 10.0	40.6	20.0	10.1	5.0	2.0	LINEAR SLOPE _____ y int _____ REGRESSION corr. coeff. _____
	RES.	.814	.410	.247	.105	.043	
STDS.	KNOWN 1.0	10.1	5.0	2.0	1.0	0.5	DUPLICATES Job# Orig Dup 1A NA
	RES.	.763	.407	.171	.078	.034	MATRIX SPIKES Job# Orig Add Result SR NA .
QC DATA	Method	KPA	QC	METHOD SPIKES			
	Blank	Known	Obs	SR	Known	Obs	SR
	0	20	25.2	126%	10	8.91	89.1%



ETC ENVIRONMENTAL
TESTING and CERTIFICATION

Technical Report
for
O.H. MATERIALS
4 RESEARCH WAY
PRINCETON, NJ 08540

Chain of Custody Data Required for ETC Data Management Summary Reports						
BH6640	O.H. MATERIALS	OH6321RET	MW-02	881214	1530	
ETC Sample No.	Company	Facility	Sample Point	Date	Time	Elapsed Hours

Swept T. Davis
President

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ETC

DEC 29, 1988
QC9958

TABLE 1: QUANTITATIVE RESULTS and QUALITY ASSURANCE DATA

PCB Compounds - GC/MS Analysis Data (QR83)

Chain of Custody Data Required for ETC Data Management Summary Reports

BH6640	O. H. MATERIALS	0H6321RET	MW-02	881214	1530	0
ETC Sample No.	Company	Facility	Sample Point	Date	Time	Hours

NPDES Number	Compound	Results		QC Replicate		QC Blank and Spiked Blank			QC Matrix Spike		
		Sample Concn. ug/l	MDL ug/l	First ug/l	Second ug/l	Blank Data ug/l	Concen. Added ug/l	% Recov	Unspiked Sample ug/l	Concen. Added ug/l	% Recov
18P PCB-1242		ND	44	ND	ND	ND	0	-	ND	0	-
19P PCB-1254		ND	44	ND	ND	ND	0	-	ND	0	-
20P PCB-1221		ND	44	ND	ND	ND	0	-	ND	0	-
21P PCB-1232		ND	44	ND	ND	ND	0	-	ND	0	-
22P PCB-1248		ND	44	ND	ND	ND	0	-	ND	0	-
23P PCB-1260		ND	44	67.8	69.8	ND	100	59	ND	123	55
24P PCB-1016		ND	44	ND	ND	ND	0	-	ND	0	-

All zero and suitable recoveries have been manually verified.

38
SEMI-VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETO CORP

Contract: _____

Lab Code: _____

Case No.: _____

SAS No.: _____

SSS No.: _____

Lab File ID: FL711

DFTPP Injection Date: 12-21-88

Instrument ID.: F

DFTPP Injection time: 10:10

Mass	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
61	30-60% of mass 198-----	45.6
68	Less than 2% of mass 69-----	0.0 0.0:1
69	Mass 69 relative abundance-----	53.7
70	Less than 2% of mass 69-----	.20 .4:1
121	40-60% of mass 198-----	43.2
197	Less than 1% of mass 198-----	0.0
198	Base peak, 100% relative abundance-----	100.0
199	5-9% of mass 198-----	6.3
275	10-30% of mass 198-----	20.6
365	Greater than 1% of mass 198-----	1.9
441	Present, but less than mass 443-----	0.4
442	Greater than 40% of mass 198-----	45.2
443	17-23% of mass 442-----	8.3 13.5:2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		Pest VI	> F4712	12-21-88	10:33
02		BNA V	> F4713		11:29
03		BNA IV	> F4714		12:26
04		BNA III	> F4715		13:23
05		BNA II	> F4716		14:19
06		BNA I	> F4717		15:17
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

58
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETC CORP

Contract: _____

Lab Code: _____

Case No.: _____

SAS No.: _____ SDG No.: _____

Lab File ID: >F4729

DFTPP Injection Date: 12/22/88

Instrument ID.: F

DFTPP Injection time: 12:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30-60% of mass 198-----	53.0
68	Less than 2% of mass 69-----	0.00 0.0)1
69	Mass 69 relative abundance-----	64.7
70	Less than 2% of mass 69-----	.20 .4)1
127	40-60% of mass 198-----	52.1
197	Less than 1% of mass 198-----	0.0
198	Base peak, 100% relative abundance-----	100.0
199	5-9% of mass 198-----	6.4
275	10-30% of mass 198-----	19.0
365	Greater than 1% of mass 198-----	1.5
441	Present, but less than mass 443-----	6.1
442	Greater than 40% of mass 198-----	42.2
443	17-23% of mass 442-----	7.7(18.2)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		BNA II	>F4730	12-22-88	12:26
02		Pest VI	>F4747		13:42
03		BNA IV	>F4748		14:38
04		BNA IV	>F4749		15:33
05		BNA III	>F4750		16:31
06		BNA I	>F4751	↓	17:29
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

58
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETC CORP

Contract: _____

Lab Code: _____

Case No.: _____

SAS No.: _____ SDG No.: _____

Lab File ID: >F4741

DFTPP Injection Date: 12/23/88

Instrument ID.: F

DFTPP Injection time: 04:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30-60% of mass 198-----	40.4
68	Less than 2% of mass 69-----	0.0(0.0)1
69	Mass 69 relative abundance-----	50.9
70	Less than 2% of mass 69-----	.2(.5)1
127	40-60% of mass 198-----	45.7
197	Less than 1% of mass 198-----	0.0
198	Base peak, 100% relative abundance-----	100.0
199	5-9% of mass 198-----	6.7
275	10-30% of mass 198-----	22.9
365	Greater than 1% of mass 198-----	2.2
441	Present, but less than mass 443-----	10.7
442	Greater than 40% of mass 198-----	73.6
443	17-23% of mass 442-----	13.5(18.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		BNA II	>F4742	12-23-88	04:45
02		BH6250C	>F4743		05:42
03		BH6252C	>F4745		07:35
04		BH5430C	>F4746		08:33
05		BH4161C	>F4754		10:34
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					



ETC

Appendix A
Mass Spectral Data
for
Quantitated Compounds

- 1) A total ion chromatogram for each sample analyzed by a GC/MS instrument.
- 2) A Quant. report used by the analyst to determine qualitative and quantitative results of the compounds present.
- 3) A mass spectrum and a reference spectrum for each priority pollutant compound detected in the sample.

QUANT REPORT

Page 1

Operator ID: MGRMS
Output File: ^F4724::AQ
Data File: >F4724::U5
Name: BNA 881221 F
Misc: BH6640C, QC9958, L, 810, 1

Quant Rev: 7 Quant Time: 881222 10:12
 Injected at: 881221 21:21
Dilution Factor: 1.00000

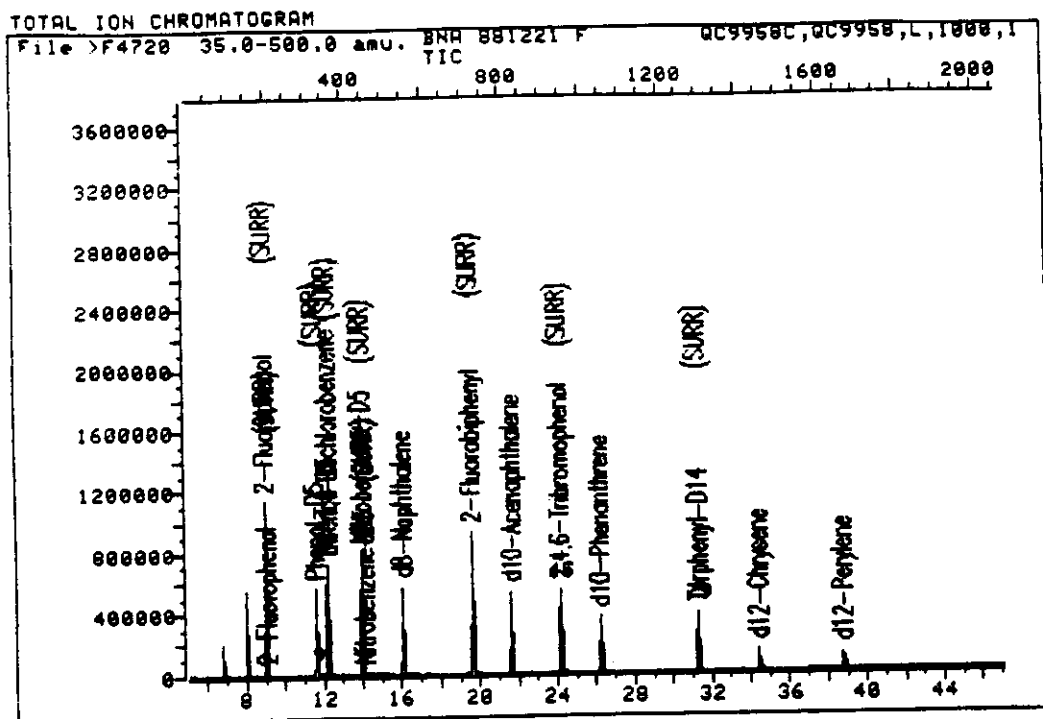
BTL#14

ID File: IF0021::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, PP/BN, PP/ACID, TCLP/ACID, T
Last Calibration: 881222 09:31

Compound	R.T.	Scan#	Area	Conc	Units	q
1) *d4-1,4-Dichlorobenzene	12.25	353	558981	40.00	UG/ML	92
7) Phenol-D5 (SURR)	12.25	353	3073	~~3.10~~	~~UG/ML~~	70
13) N-Nitrosodi-n-propylamine	13.99	438	155336	~~23.89~~	~~UG/ML~~	39
18) *d8-Naphthalene	16.04	539	1006856	40.00	UG/ML	96
19) Nitrobenzene-D5 (SURR)	13.99	438	1039700	79.34	UG/ML	88
30) *d10-Acenaphthalene	21.67	815	398946	40.00	UG/ML	98
34) 2-Fluorobiphenyl (SURR)	19.67	717	1216629	73.35	UG/ML	98
49) *d10-Phenanthrene	26.22	1038	573875	40.00	UG/ML	96
62) Di-n-butyl phthalate	28.42	1146	3815	~~.211~~	~~UG/ML~~	95
67) Pyrene	31.27	1286	2550	~~.120~~	~~UG/ML~~	54
78) *d12-Chrysene	34.39	1439	371192	40.00	UG/ML	98
79) Benzidine	31.27	1286	10513	~~10.37~~	~~UG/ML~~	100
80) Terphenyl-D14 (SURR)	31.27	1286	836038	84.77	UG/ML	93
85) bis(2-Ethylhexyl)phthalate	35.02	1470	4596	~~.469~~	~~UG/ML~~	94
86) *d12-Perylene	38.75	1653	363879	40.00	UG/ML	78

PCB 1260 = 0 pg/g
* Compound is ISTD

mg 12/29/88



Data File: >F4720::U5
 Name: BNA 881221 F
 Misc: QC9958C, QC9958, L, 1000, 1

Quant Output File: ^F4720::AQ

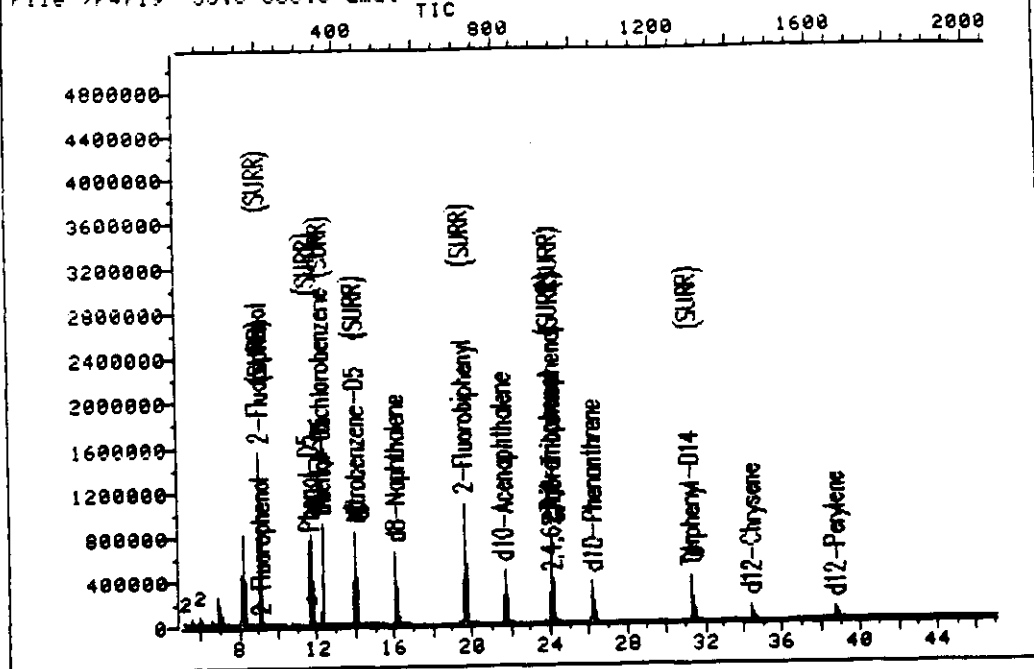
BTL#10

Id File: IF0021::US
 Title: ACID/SURR, BN/SURR, PP/PST/PCB, PP/BN, PP/ACID, TCLP/ACID, T
 Last Calibration: 881222 09:31

Operator ID: MGRMS
 Quant Time: 881222 09:49
 Injected at: 881221 17:30

TOTAL ION CHROMATOGRAM

File >F4719 35.0-500.0 amu. BNA 881221 F QC9956C, QC9958, L, 680, 1



Data File: >F4719::U5

Quant Output File: ^F4719::AQ

Name: BNA 881221 F

Misc: QC9956C, QC9958, L, 680, 1

BTL# 9

Id File: IF0021::US

Title: ACID/SURR, BN/SURR, PP/PST/PCB, PP/BN, PP/ACID, TCLP/ACID, T

Last Calibration: 881222 09:31

Operator ID: MGRMS

Quant Time: 881222 09:43

Injected at: 881221 16:33

CHAIN OF CUSTODY

Address: _____

Attention: _____

Sample Description:

4 Ealed Shuttles

CH 12/15/88

Sample(s) Relinquished by:

Time: 9:45 AM Date: 12/15/88

Sample(s) Received by: C. Margat

Time: 9:45 AM Date: 12/15/86



CHAIN-OF-CUSTODY RECORD

No. 56301

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45838-0551 • 419-423-3526									
PROJECT NAME		PROJECT LOCATION		PROJECT TELEPHONE NO.		PROJECT MANAGER/SUPERVISOR		CLIENT'S REPRESENTATIVE	
Coke - Rocky Island		Coke - Rocky Island		(609) 987 0010		D.D. ARCHER		JEFF WEATHERLY	
ITEM NO.	SAMPLE NUMBER	DATE	TIME	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)	REMARKS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)
1		12-14	1400	X	MW-01	5	X X	5001, 140098	X X
2		12-14	1530	X	MW-02	5	X X	140084, 140098	X X
3		12-14	1545		FIELD BLANK	5	X X	140698	X X
4		12-14			TRIP BLANK	2	X		X
5									
6									
7									
8									
9									
10									
TRANSFERS RELINQUISHED BY						TRANSFERS ACCEPTED BY		REMARKS	
1-4 J. WEATHERLY						C. Marget		Coke DE FAX ETC SAMPLE #'S	
2								TO JEFF WEATHERLY (484-0010)	
3									
4								SAMPLE'S SIGNATURE	

1 A3 COPY

A Subsidiary of Environmental Treatment and Technologies Corp.
The Environmental Services Company



LABORATORY CHRONICLE: GC-MS Department

[illegible]

(PLEASE INITIAL)

CURRENT CS05 STATUS		STANDARDS UPDATED	
ACC		DATE	12-22-88
WIP		BY	JM

NAME	DATA FILE	UL INJ	ALS #	DIL	FADE # time	SPECIALS (WRITE A-TYPE)	PLUS Y/N
Test mix	>F4710		1				
DFTPP	F4711		2		10:12	AL	(RL)
Pest VI STD	F4712		3		10:33		
BNA IV STD	F4713		4		11:29		
BNA III STD	F4714		5		12:26		
BNA III STD	F4715		6		13:23		
BNA II STD	F4716		7		14:19	AF1260	
BNA I STD	F4717		8		15:17		
DFTPP	F4718		2		16:11		
QC9956C	F4719		9		16:33	680	
QC9958C	F4720		10		17:30	PCBSCF	Y
QC9958CS	F4721		11		18:28	AF1260	
BH6640CS	F4722		12		19:25	610 AF1260	
BH6640CR	F4723		13		20:23	800 AF1260	
BH6640C	F4724		14		21:21	810 PCBSCF	
BH5246C	F4725		15		22:18	900	
BE9589C	F4726		16		23:15	850	
BH5867C	F4727		17		00:11	1000 reinject low Succ	
BH3402C	F4728		18		01:09	780	Y
DFTPP	F4729		2		12:02		
BNA II STD	F4730		7		12:26	AF1260	
BH3403C	F4731		19		18:46	760	Y
BH3404C	F4732		20		19:45	780	Y
BH3406C	F4733		21		20:42	840	Y
BH3407C	F4734		22		21:40	870	Y



Units Mg/Litre

[illegible]

STDS.	KNOWN 10.0m	40.6	20.0	10.1	5.0	2.0	LINEAR SLOPE _____ y int _____ REGRESSION corr. coeff. _____							
	RES.	.814	.410	.247	.105	.043								
STDS.	KNOWN 5.0m	10.1	5.0	2.0	1.0	0.5	DUPLICATES	MATRIX SPIKES						
	RES.	.763	.407	.177	.078	.034	Job#	Orig	Dup	Job#	Orig	Add	Result	SR
QC DATA	Method	KPA	QC	METHOD SPIKES			NA			NA				
	Blank	Known	OBS	NR	Known	OBS	NR	.						
	0	20	25.2	126%	10	8.91	89.1%							



ETC ENVIRONMENTAL
TESTING AND CERTIFICATION

Technical Report
for
O.H. MATERIALS
4 RESEARCH WAY
PRINCETON, NJ 08540

Chain of Custody Data Required for ETC Data Management Summary Reports						
BH6641	O.H. MATERIALS	OH6321RET	FIELD BLANK	881214	1545	
ETC Sample No.	Company	Facility	Sample Point	Date	Time	Elapsed Hours

Swep T. Davis
President

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DEC 29, 1988
QC9958

TABLE 1: QUANTITATIVE RESULTS and QUALITY ASSURANCE DATA
PCB Compounds - GC/MS Analysis Data (QR83)

Chain of Custody Data Required for ETC Data Management Summary Reports

BH6641 O.H. MATERIALS
 ETC Sample No. Company
 OH6321RET FIELDBLANK 881214 1545 0
 Facility Sample Point Date Time Elapsed
 Hours

NPDES Number	Compound	Results		QC Replicate		QC Blank and Spiked Blank			QC Matrix Spike		
		Sample Concen. ug/l	MDL ug/l	First ug/l	Second ug/l	Blank Data ug/l	Concen. Added ug/l	% Recov	Unspiked Sample ug/l	Concen. Added ug/l	% Recov
18P PCB-1242		ND	41	ND	ND	ND	0	-	ND	0	-
19P PCB-1254		ND	41	ND	ND	ND	0	-	ND	0	-
20P PCB-1221		ND	41	ND	ND	ND	0	-	ND	0	-
21P PCB-1232		ND	41	ND	ND	ND	0	-	ND	0	-
22P PCB-1248		ND	41	ND	69.8	ND	100	59	ND	123	55
23P PCB-1260		ND	41	67.8	ND	ND	0	-	ND	0	-
24P PCB-1016		ND	41	ND	ND	ND	0	-	ND	0	-

All zero and variable recoveries have been manually verified.

58
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETC CORP

Contract: _____

Lab Code: _____

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab File ID: F4718

DFTPP Injection Date: 12/21/88

Instrument ID.: F

DFTPP Injection time: 16:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30-60% of mass 198-----	36.2
68	Less than 2% of mass 69-----	0.0(0.0)
69	Mass 69 relative abundance-----	45.4
70	Less than 2% of mass 69-----	.3(.7)
127	40-60% of mass 198-----	40.9
197	Less than 1% of mass 198-----	0.0
198	Base peak, 100% relative abundance-----	100.0
199	5-9% of mass 198-----	7.0
275	10-30% of mass 198-----	24.3
365	Greater than 1% of mass 198-----	2.5
441	Present, but less than mass 443-----	10.6
442	Greater than 40% of mass 198-----	70.7
443	17-23% of mass 442-----	13.1(18.5)

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		QC9956C	> F4719	12-21-88	16:33
02		QC9958C	> F4720		17:30
03		QC9958CS	> F4721		18:28
04		BH6640CS	> F4722		19:25
05		BH6640CR	> F4723		20:23
06		BH6640C	> F4724		21:21
07		BH5246C	> F4725		22:18
08		BE9589C	> F4726		23:15
09		BH3402C	> F4728	12-22-88	01:09
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

58
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETC CORP

Contract: _____

Lab Code: _____

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab File ID: >F4752

DFTPP Injection Date: 12/22/88

Instrument ID.: F

DFTPP Injection time: 18:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30-60% of mass 198-----	39.3
68	Less than 2% of mass 69-----	0.00 (0.0)
69	Mass 69 relative abundance-----	49.6
70	Less than 2% of mass 69-----	.20 (.4)
127	40-60% of mass 198-----	43.3
197	Less than 1% of mass 198-----	0.0
198	Base peak, 100% relative abundance-----	100.0
199	5-9% of mass 198-----	6.5
275	10-30% of mass 198-----	21.3
365	Greater than 1% of mass 198-----	1.9
441	Present, but less than mass 443-----	9.2
442	Greater than 40% of mass 198-----	61.8
443	17-23% of mass 442-----	11.5 (18.6)

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BH 3403C	>F4731	12-22-88	18:46
02	BH 3404C	>F4732		19:45
03	BH 3406C	>F4733		20:42
04	BH 3407C	>F4734		21:40
05	BH 3408C	>F4735		22:39
06	BH 3409C	>F4736		23:37
07	BH 4679C	>F4737	12-23-88	00:35
08	BH 6639C	>F4738		01:33
09	BH 6641C	>F4739		02:30
10	BH 4161C	>F4740		03:28
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				



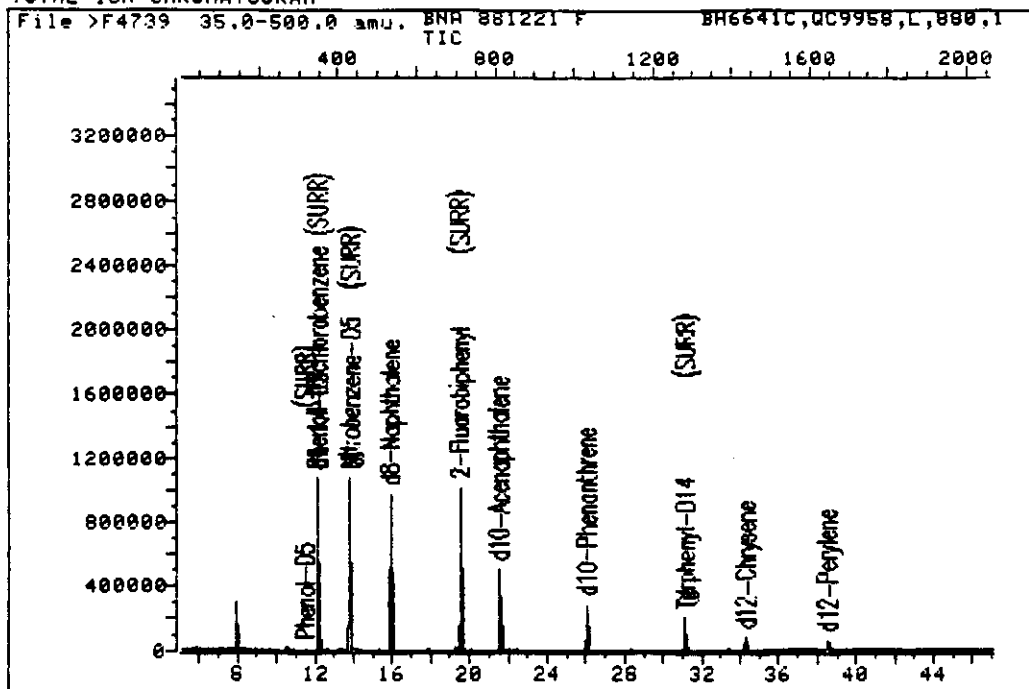
ETC

**Methodology
for
GC Analysis of Polychlorinated Biphenyls
(Aqueous)**

The method employed in the analysis of water samples for polychlorinated biphenyls is EPA Method 608 from October 26, 1984 Federal Register

The method for aqueous samples can be summarized as follows: A measured volume of sample, approximately 500 ml, is extracted with methylene chloride. The methylene chloride extract is dried and solvent exchanged to hexane which is concentrated to approximately 1 ml. The concentrated extract is transferred to a silica gel column and eluted with hexane. The eluate is concentrated to a final volume of 1 ml and injected into a gas chromatograph equipped with ^{63}Ni electron capture detector.

TOTAL ION CHROMATOGRAM



Data File: >F4739::U6

Quant Output File: ^F4739::AQ

Name: BNA 881221 F

Misc: BH6641C, QC9958, L, 880, 1

BTL#27

Id File: IF0021::US

Title: ACID/SURR, BN/SURR, PP/PST/PCB, PP/BN, PP/ACID, TCLP/ACID, T

Last Calibration: 881222 18:47

Operator ID: DL8763

Quant Time: 881223 07:47

Injected at: 881223 02:30



ETC

Appendix C1
GC/MS Subsidiary Data

QUANT REPORT

Page 1

Operator ID: MGRMS
Output File: ^F4720::AQ
Data File: >F4720::U5
Name: BNA 881221 F
Misc: QC9958C, QC9958, L, 1000, 1

Quant Rev: 7 Quant Time: 881222 09:49
 Injected at: 881221 17:30
 Dilution Factor: 1.00000

BTL#10

ID File: IF0021::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, PP/BN, PP/ACID, TCLP/ACID, T
Last Calibration: 881222 09:31

Compound	R.T.	Scan#	Area	Conc	Units	q
1) *d4-1,4-Dichlorobenzene	12.21	351	512815	40.00	UG/ML	93
4) 2-Fluorophenol (SURR)	8.97	192	881669	121.18	UG/ML	100
4) 2-Fluorophenol (SURR)	9.03	195	5270	~~724~~	~~UG/ML~~	100
7) Phenol-D5 (SURR)	11.56	319	700769	77.02	UG/ML	92
7) Phenol-D5 (SURR)	12.21	351	3236	~~356~~	~~UG/ML~~	92
9) 2-Chlorophenol	11.70	326	2069	~~228~~	~~UG/ML~~	84
13) N-Nitrosodi-n-propylamine	13.95	436	147810	~~24.78~~	~~UG/ML~~	38
18) *d8-Naphthalene	16.05	539	942216	40.00	UG/ML	96
19) Nitrobenzene-D5 (SURR)	13.95	436	975498	79.55	UG/ML	91
19) Nitrobenzene-D5 (SURR)	14.09	443	16389	~~1.94~~	~~UG/ML~~	95
30) *d10-Acenaphthalene	21.63	813	395725	40.00	UG/ML	98
34) 2-Fluorobiphenyl (SURR)	19.59	713	1230548	74.79	UG/ML	98
45) Fluorene	24.14	936	14337	~~1.05~~	~~UG/ML~~	92
47) 2,4,6-Tribromophenol (SURR)	24.14	936	285159	152.57	UG/ML	96
49) *d10-Phenanthrene	26.20	1037	626844	40.00	UG/ML	98
78) *d12-Chrysene	34.37	1438	280919	40.00	UG/ML	98
79) Benzidine	31.27	1286	8254	~~10.76~~	~~UG/ML~~	100
80) Terphenyl-D14 (SURR)	31.27	1286	656336	87.94	UG/ML	94
86) *d12-Perylene	38.69	1650	273647	40.00	UG/ML	79

* Compound is ISTD

M/12/29/88

10-1260 = 0.77/1.1



ETC

Appendix E

Chain-of Custody Forms

- 1) A field Chain-of-Custody form (CC1) is included for all samples shipped by ETC shuttle.
- 2) An in-house sample Chain-of Custody form is included for all samples not shipped by ETC shuttle.
- 3) Any additional Chain-of-Custody material provided by a client or by a client's sampling agent is also included.
- 4) A subcontractor's Chain-of-Custody form is included for any analytical work not performed within ETC's laboratory.
- 5) Analysis and Extraction Custody forms are included for the period the sample was in ETC's possession.



ETC

32455

CHAIN OF CUSTODY

Company: _____ Job # _____

Address: _____

Attention: _____

Sample Description:

CUSTOMER ID	DESCRIPTION	ETC #
MW-01	(#) EXTBL (1) PHC 1L	BH6639
MW-02	(4) EXTBL (1) PHC 1	BH6640
Field Blank	↓ ↓ ↓	BH6641
Trip Blank	VOA (2) 40ml	BH6642

Sample(s) Relinquished by: _____

Time: _____ Date: _____

Sample(s) Received by: A. SteplerTime: 10:05 Date: 12/15

QC BAT 74 NC GS9958

JOB NO.	LOGLINK	SAMPLE AMT ml gm	MOIST %	DRY WGHT gm	EXTRACT VOL (ml)	REPEAT		ATYPES
						ORIGINAL JOB NO.	ORIGINAL QS. NO.	
BH5846	32398	900			1.0			7TCLP/LNA
BE9589	32413	850			1.0			7LB/TCLP/BNA
BH5867	32447	1000			1.0			1PP/BN, only
BH3402	32453	780			1.0			1ECRA/BN
BH3403	32453	760			1.0			1ECRA/BN
BH3404	32453	780			1.0			1ECRA/BN
BH3406	32453	840			1.0			1ECRA/BN
BH3407	32453	870			1.0			1ECRA/BN
BH3408	32453	850			1.0			1ECRA/BN
BH3409	32453	980			1.0			1ECRA/BN
BH4679	32454	830			1.0			1ECRA/BN
BH6639	32455	780			1.0			1PP/PCB, BN only
BH6640	32455	810			1.0			1PP/PCB
BH6641	32455	880			1.0			1PP/PCB
BH4161	32466	860			1.0			1PP/T
BH6250	32473	910			1.0			1PP/T
BH6251	32473	950			1.0			1PP/T
BH6252	32473	820			1.0			1PP/T
BH5430	32475	990			1.0			1PP/ORG/PST
Q9956	Blank	680			1.0			
X.M.								
Q9958	VERIFY SPIKE	1000			1.0			
Q9958	X.M.	1000			1.0			
X.M.								
BH6640	X.M.	810			1.0			
BH6640	X.M.	800			1.0			
MSD								
MSD								

COMMENTS:

+ USE the Leuchato
generated on $0x99 = 156_{16}$

PROCEDURE	SIGNATURE	DATE
☐ CONTINUOUS	N.A.	
☒ SEP. FUNNEL	B. Morris	12/18/88
☒ SOXHLET	N.A.	
☐ SONIFICATION		
☐ DILUTION		
☐ DERIVATION		
☐ CLEANUP		
☒ SETUP	B. Morris E. Mackemy	12/18/88
☒ CONCENTRATION	B. Morris E. Mackemy	12/19/88
☒ SUPERVISOR	X. Walden	12/18/88

MATRIX

☒ 1 WATER

☐ 2 SOIL

☐ 3 COMPLEX

☐ 4 ORGANIC LIQ.

☒ UPDATES
☒ QST
☐ WIP
☒ DONE
 6/17/19

[illegible]



LABORATORY CHRONICLE: GC-MS Department

DATE 12-21-88 SHIFT

FRACTION 13N4

INSTRUMENT F

TUNE FILE MTFC01

SEQUENCE FILE JBF

METHOD FILE BNA F

ID FILE I F0021

ANALYST(S) J. B. Clark

SUPERVISOR John L. [Signature]

BATCH #'s QC9958

(PLEASE INITIAL)

CURRENT CS05 STATUS		STANDARDS UPDATED	
ACQ		DATE	
WIP		BY	

[illegible][illegible]



ETC ENVIRONMENTAL
TESTING and CERTIFICATION

Technical Report
for

O.H. MATERIALS
4 RESEARCH WAY
PRINCETON, NJ 08540

Chain of Custody Data Required for ETC Data Management Summary Reports

BH6642	O.H. MATERIALS	OH6321RET	TRIPBLANK	881214			
ETC Sample No.	Company	Facility	Sample Point	Date	Time	Elapsed	Hours

Swep T. Davis
President

This Technical Report is an INSITESM service generated by LODESTARSM Data Management Software.



ETC

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Methodology

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Appendix C1 - GC/MS Subsidiary Data - Blank Chromatograms

Appendix E - Chain of Custody Forms



ETC

DEC 30 1988
QV10526TABLE 1: QUANTITATIVE RESULTS and QUALITY ASSURANCE DATA
Volatile Compounds - GC/MS Analysis Data (QR01)

Chain of Custody Data Required for ETC Data Management Summary Reports					
BH6642	O.H. MATERIALS	OH6321RET	TRIPBLANK	881214	0
ETC Sample No.	Company	Facility	Sample Point	Date	Time Elapsed Hours

NPDES Number	Compound	Results		QC Replicate		QC Blank and Spiked Blank			QC Matrix Spike		
		Sample Concn. ug/l	MDL ug/l	First ug/l	Second ug/l	Blank Data ug/l	Concen. Added ug/l	% Recov	Unspiked Sample ug/l	Concen. Added ug/l	% Recov
1V Acrolein		ND	100	837	211	ND	800	219	ND	800	105
2V Acrylonitrile		ND	100	96.2	78.4	ND	80.0	103	ND	80.0	120
3V Benzene		ND	4.4	59.4	60.0	ND	50.0	111	ND	50.0	119
4V bis(Chloromethyl)ether		ND	10	ND	ND	ND	0	-	ND	0	-
5V Bromoform		ND	4.7	47.4	48.4	ND	50.0	99	ND	50.0	95
6V Carbon tetrachloride		ND	2.8	51.8	50.7	ND	50.0	116	ND	50.0	104
7V Chlorobenzene		ND	6.0	53.3	53.9	ND	50.0	103	ND	50.0	107
8V Chlorodibromomethane		ND	3.1	52.0	52.0	ND	50.0	108	ND	50.0	103
9V Chloroethane		ND	10	57.5	57.5	ND	50.0	149	ND	50.0	115
10V 2-Chloroethylvinyl ether		ND	10	54.5	56.6	ND	50.0	0	ND	50.0	109
11V Chloroform		ND	1.6	44.4	45.6	ND	50.0	70	ND	50.0	89
12V Dichlorobromomethane		ND	2.2	57.1	56.7	ND	50.0	111	ND	50.0	114
13V Dichlorodifluoromethane		ND	10	34.8	32.9	ND	50.0	206	ND	50.0	70
14V 1,1-Dichloroethane		ND	4.7	53.9	53.9	ND	50.0	104	ND	50.0	109
15V 1,2-Dichloroethane		ND	2.8	48.2	48.0	ND	50.0	91	ND	50.0	96
16V 1,1-Dichloroethylene		ND	2.8	56.6	55.5	ND	50.0	118	ND	50.0	113
17V 1,2-Dichloropropane		ND	6.0	57.3	59.2	ND	50.0	110	ND	50.0	115
18V cis-1,3-Dichloropropylene		ND	5.0	56.9	56.7	ND	50.0	110	ND	50.0	112
19V Ethylbenzene		ND	7.2	55.8	56.2	ND	50.0	113	ND	50.0	115
20V Methyl bromide		ND	10	57.5	61.7	ND	50.0	44	ND	50.0	93
21V Methyl chloride		ND	10	46.7	44.0	ND	50.0	115	12.1	50.0	61
22V Methylene chloride		ND	2.8	42.7	42.4	ND	50.0	87	ND	50.0	112
23V 1,1,2,2-Tetrachloroethane		ND	6.9	55.8	57.4	ND	50.0	89	ND	50.0	93
24V Tetrachloroethylene		ND	4.1	46.6	46.8	ND	50.0	73	ND	50.0	111
25V Toluene		ND	6.0	48.4	48.9	ND	50.0	98	ND	50.0	92
26V 1,2-Trans-dichloroethylene		ND	1.6	54.3	54.3	ND	50.0	112	2.34	50.0	109
27V 1,1,1-Trichloroethane		ND	3.8	56.8	56.7	ND	50.0	108	ND	50.0	114
28V 1,1,2-Trichloroethane		ND	5.0	51.2	50.7	ND	50.0	107	ND	50.0	102
29V Trichloroethylene		ND	1.9	50.7	50.7	ND	50.0	105	ND	50.0	102
30V Trichlorofluoromethane		ND	10	59.5	41.3	ND	50.0	294	ND	50.0	119
31V Vinyl chloride		ND	10	57.0	57.8	ND	50.0	109	ND	50.0	114
18V trans-1,3-Dichloropropylene		ND	10	57.0	57.8	ND	50.0	109	ND	50.0	114

Acrolein and Acrylonitrile values are screen only.
All zero and variable recoveries have been manually verified.

Acrolein and Acrylonitrile values are given ml/g.
All zero and variable recoveries have been manually verified.

**ETC**

Methodology for GC/MS Analysis of Priority Pollutant Compounds

The methods employed in the GC/MS analysis for priority pollutants are established EPA methods. Rigid compliance with the instrument parameters and performance criteria of the published methods was achieved. In some cases, the precise amounts of sample used and the sample handling procedures vary with the complexity of the sample matrix. Qualitative identification of the priority pollutants was performed using the relative retention times, the relative abundance of three characteristic ions and the abundance ratios. The entire mass spectrum was reviewed to confirm each identification. Quantitative analysis of detected compounds was performed by using a response factor generated by a major characteristic ion of the specific compound and an internal standard.

Compounds, in addition to those on the priority pollutant list, were identified through a computer-aided search of the NBS-EPA spectra library. After review the identifications are included in a separate tabulation and labelled "tentatively identified".

Volatile Priority Pollutant Compounds

For the analysis of Volatile priority pollutants, EPA Method 624 was used. The method can be summarized as follows: Helium is bubbled through a 5 ml water sample contained in a specially designed purging chamber at ambient temperature. The purgeable volatile organic compounds are transferred from the aqueous phase to the vapor phase. The vapor is swept through a sorbent column where the organic components are trapped. After the purge cycle is complete, the sorbent column is heated and backflushed with helium to desorb the organic purgeables onto a gas chromatographic column. The gas chromatograph is temperature programmed to separate the purgeable mixture. The separated purgeable components are then identified and quantitated using a computerized mass spectrometer.

94
VOLATILE ORGANIC COMPOUND TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: ETC CORP

Contract: _____

Lab Code: _____

Case No.: _____

SAS No.: _____

SOG No.: _____

Lab File ID: H4241

BFB Injection Date: 12/28/88

Instrument ID: A

BFB Injection time: 01:20

Matrix: soil/water water Level: (low-med) low Column: (pack/dept) _____

ION ABUNDANCE CRITERIA		% RELATIVE ABUNDANCE
95	15-40% of mass 95	27.8
78	30-60% of mass 95	48.9
95	Base peak, 100% relative abundance	100.0
96	5-9% of mass 95	7.1
173	Less than 2% of mass 174	0.00 (0.001)
174	Greater than 50% of mass 95	95.6
175	5-9% of mass 174	7.70 (8.101)
176	95-101% of mass 174	96.5 (101.001)
177	5-9% of mass 176	6.80 (7.002)

1-Value is % mass 174

2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BH5669 V	A4242	12-28-88	02:47
02	BH1976 V	A4243	12-28-88	03:29
03	QC10526 VS	A4252	12-28-88	10:12
04	QC10526 V	A4253	12-28-88	12:10
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

ENC 11/3/88

5H
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: EIC CORP

Contract: _____

Lab Code: _____

Case No.: _____

SAS No.: _____

SUS No.: _____

Lab File ID: A4221

BFB Injection Date: 12-27-88

Instrument ID.: A

BFB Injection Time: 01:07

Matrix: (soil water) water Level: (low/med) low Column: (pack/dept) _____

Mass	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
90	15-40% of mass 95-----	29.6
98	30-60% of mass 95-----	56.7
95	Base peak, 100% relative abundance-----	100.0
96	5-9% of mass 95-----	8.1
173	Less than 2% of mass 174-----	0.00 0.0011
174	Greater than 90% of mass 95-----	98.9
175	5-9% of mass 174-----	7.70 7.8011
176	45-101% of mass 174-----	99.00(100.1)11
177	5-9% of mass 176-----	7.70 7.8012

1-Value is % mass 174

2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		QC10526VS	A4222	12-28-88	01:07:53
02		QC10526VS	A4223	12-28-88	02:35
03		QC10526VS	A4224	12-28-88	03:17
04		QC10526VS	A4225	12-28-88	03:59
05		QC10526VS	A4226	12-28-88	04:41
06		QC10526V	A4229	12-28-88	04:48
07		QC10526VS	A4230	12-28-88	11:29
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

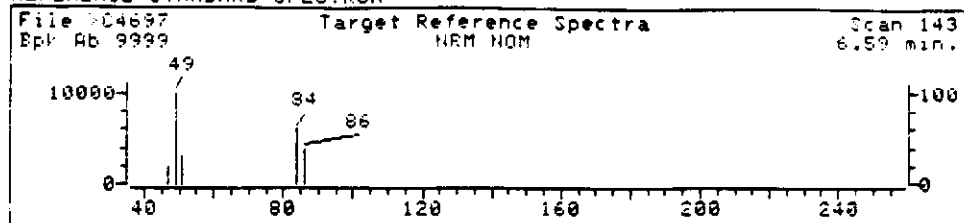


ETC

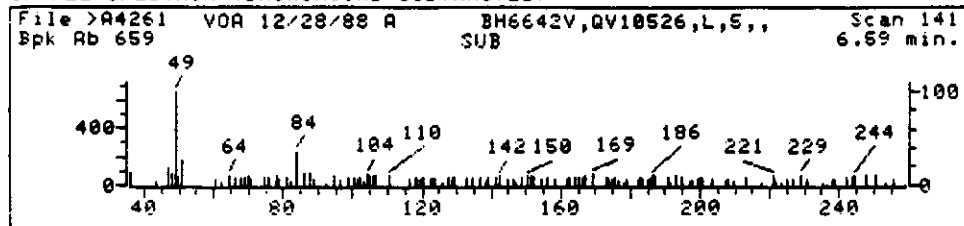
Appendix A
Mass Spectral Data
for
Quantitated Compounds

- 1) A total ion chromatogram for each sample analyzed by a GC/MS instrument.
- 2) A Quant. report used by the analyst to determine qualitative and quantitative results of the compounds present.
- 3) A mass spectrum and a reference spectrum for each priority pollutant compound detected in the sample.

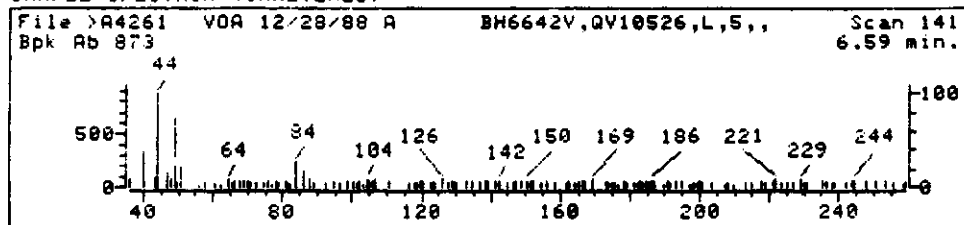
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >A4261::U2
Name: VOA 12/28/88 A
Misc: BH6642V, QV10526, L, 5,,
Quant Time: 881228 17:45
Injected at: 881228 17:08

Quant Output File: ^A4261::A0

Quant ID File: IA0080::US
Last Calibration: 881228 15:37

Compound No: 7
Compound Name: Methylene chloride
Scan Number: 141
Retention Time: 6.59 min.
Quant Ion: 84.0
Area: 3985
Concentration: 39.15 NG
q-value: 62



ETC

Appendix C1
GC/MS Subsidiary Data

QUANT REPORT

Page 1

Operator ID: GM6356
Output File: A4261::AD
Data File: A4261::U2
Name: VDA 12/28/88 A
Misc: BH6642U,QU10526,L,5,,

Quant Rev: 7 Quant Time: 881228 17:46
Injected at: 881228 17:08
Dilution Factor: 1.00000

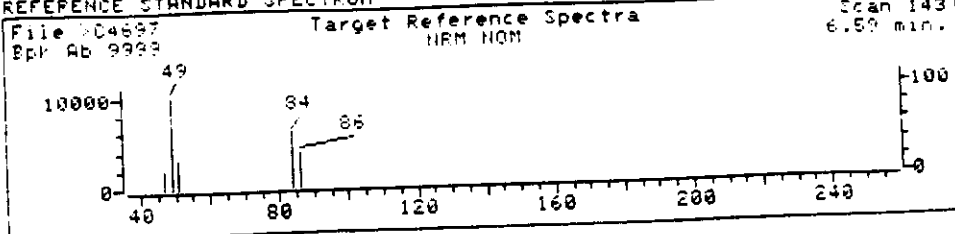
ID File: 1A0080::US
Title: PP/VDA, TCLV08, XUDA1, XUDA2, XUDA17
Last Calibration: 881228 15:37

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	10.04	230	50721	250.00	NG	99
2)	Methylene chloride	6.59	141	3985	39.15	NG	62
~~8)~~	~~Acetone~~	~~7.60~~	~~167~~	~~9400~~	~~49.79~~	~~NG~~	~~96~~
~~9)~~	~~Acetone~~	~~8.06~~	~~179~~	~~2289~~	~~11.69~~	~~NG~~	~~89~~
16)	1,2-Dichloroethane-D4 (SURR)	12.99	306	203294	225.77	NG	93
18)	*1,4-Difluorobenzene	20.59	502	245901	250.00	NG	98
33)	*Chlorobenzene-d5	25.35	625	189494	250.00	NG	76
36)	Toluene-D8 (SURR)	24.19	595	299188	250.18	NG	90
40)	p-Bromofluorobenzene (SURR)	29.50	732	202225	240.69	NG	93

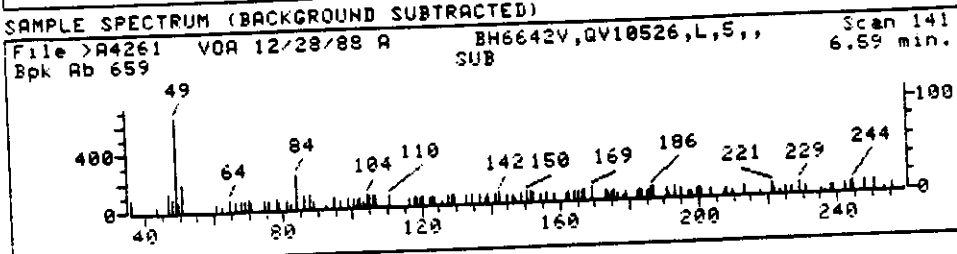
* Compound is ISTD

ATA 12/30/88

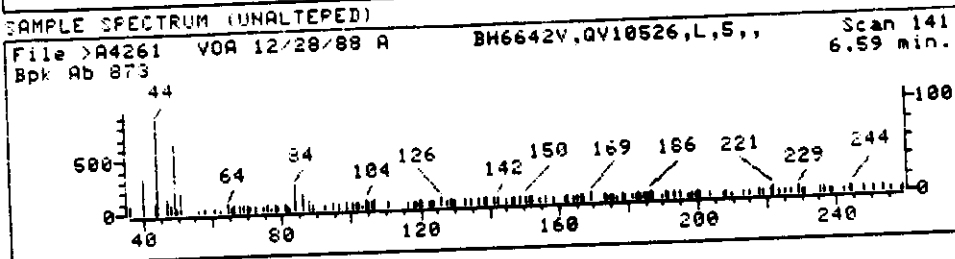
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTEPED)



Data File: >A4261::U2
Name: VOA 12/28/88 A
Misc: BH6642V,QV10526,L,S,,
Quant Time: 881228 17:45
Injected at: 881228 17:08

Quant Output File: ^A4261::AQ

Quant ID File: IA0080::US
Last Calibration: 881228 15:37

Compound No: 7
Compound Name: Methylene chloride
Scan Number: 141
Retention Time: 6.59 min.
Quant Ion: 84.0
Area: 3985
Concentration: 39.15 NG
q-value: 62

QUANT REPORT

Page 1

Operator ID: GM6396
Output File: A4261::A0
Data File: A4261::02
Name: UOA 12/28/88 A
Misc: BH6642U,QU10526,L,5,,

Quant Rev: 7 Quant Time: 881228 17:48
Injected at: 881228 17:08
Dilution Factor: 1.00000

ID File: IA0080::US
Title: PP/UOA, TCLU08, XVOA1, XVOA2, XVOA17
Last Calibration: 881228 15:37

Compound	R.T.	Scan#	Area	Conc	Units	q
1) *Bromochloromethane	10.04	230	50721	250.00	NG	99
7) Methylene chloride	6.59	141	3985	39.15	NG	62
~~2) Acetone~~	~~7.80~~	~~167~~	~~946~~	~~49.78~~	~~NG~~	~~96~~
~~9) Acetone~~	~~8.06~~	~~174~~	~~2289~~	~~11.68~~	~~NG~~	~~89~~
16) 1,2-Dichloroethane-D4 (SURR)	12.99	306	203294	225.77	NG	93
18) *1,4-Difluorobenzene	20.59	502	245901	250.00	NG	98
33) *Chlorobenzene-d5	25.35	625	189494	250.00	NG	76
36) Toluene-D8 (SURR)	24.19	595	299188	250.18	NG	90
40) p-Bromofluorobenzene (SURR)	29.50	732	202225	240.69	NG	93

* Compound is ISTD

ATA 12/30/88

**ETC**

Appendix E

Chain-of Custody Forms

- 1) A field Chain-of-Custody form (CC1) is included for all samples shipped by ETC shuttle.
- 2) An in-house sample Chain-of Custody form is included for all samples not shipped by ETC shuttle.
- 3) Any additional Chain-of-Custody material provided by a client or by a client's sampling agent is also included.
- 4) A subcontractor's Chain-of-Custody form is included for any analytical work not performed within ETC's laboratory.
- 5) Analysis and Extraction Custody forms are included for the period the sample was in ETC's possession.



CHAIN-OF-CUSTODY RECORD

No. 56301

O.H. MATERIALS CORP.		P.O. BOX 551	FINDLAY, OH 45830-0551		419-423-3526	
PROJECT NAME CIG - Long Island		PROJECT LOCATION				
PROJECT NO. 0321		PROJECT TELEPHONE NO. (609) 987 0010				
CLIENT'S REPRESENTATIVE JEFF WEATHERLY		PROJECT MANAGER/SUPERVISOR DID ARCHANA				
ITEM NO.	SAMPLE NUMBER	DATE	TIME	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)	NUMBER OF CONTAINERS	REMARKS
1		12-14-90	1000	X	5	5001, 140084, 140098 HPLC
2		12-14-90	1530	X	5	HPLC
3		12-14-90	1545	X	5	FIELD BLANK
4		12-14-90		X	2	TRIP BLANK
5						
6						
7						
8						
9						
10						

ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	J. WEATHERLY	C. MARGOT	12/15/90	1005 PM	CALL DR FAX ETC SAMPLE #'S TO JEFF WEATHERLY (987-0010)
2					
3					
4					

SAMPLER'S SIGNATURE: *[Signature]*



ETC

LABORATORY CHRONICLE: GC-MS Department

DATE 12/26/88 SHIFT
FRACTION PP/VCA
INSTRUMENT A
TUNE FILE APETC1
SEQUENCE FILE ECA
METHOD FILE VCAA
ID FILE TA0080
ANALYST(S) Ellington, Curcio
SUPERVISOR Franklin
BATCH #'s QV10526

PLEASE INITIAL: CAC080

CURRENT CS05 STATUS		STANDARDS UPDATED	
ACQ		DATE	12/27/88
WIP		BY	WJC

[illegible]

NAME	DATA FILE	UL INJ	ALS #	DIL	TAPE Time	SPECIALS (WRITE A-TYPE)	PLUS YIN
P-BFB	A4221	2ul	—		01:07	OK (159c)	ec
QC10526VS	A4222	5ml	1		01:53	OK 20ul Cal I-II-XVCA	
QC10526VS	A4223	1	2	CBUPD	02:35	OK 15ul	
QC10526VS	A4224		5	CBAL	03:17	OK 10ul	
QC10526VS	A4225		6	CBMR4	03:59	OK 5ul	
QC10526VS	A4226		7	(ec)	04:41	OK 2ul ↓	
QC10526V	A4227	↓	8			ng Blank	
QC10526V	A4228	5ml	8			ng Blank	(57)
QC10526V	A4229	5ml	3		4 48	OK Blank	
QC10526VS	A4230	5ml	19	QCAL	11 29	OK 5ul Cal I-II-XVCA	
P-BFB	A4231	2ul	—		12:16	OK 100-149	
BH5669U	A4232	5ml	1			ng 5 ulr low	
BE4790V	A4233	↓	2		14 09	OK	
BH1976U	A4234	↓	3			ng 5 ulr 15-1000	
(R) BH5669U	A4235	5ml	5			ng - surr. low	ec
(R) BH1976U	A4236	↓	6			ng - surr. high	ec
BH5669US	A4237	↓	7			ng 5ul Cal I-II-XVCA / 1000 / 1000	
BH5669UR	A4238	↓	8			ng 5ul " " "	ec
QC10526V	A4239	5ml	9		22:55	OK	ec
QC10526VS	A4240	↓	10	QCAL	23:37	OK 5ul Cal I-II-XVCA	ec
P-BFB	A4241	2ul	—		01:20	OK (158)	ec
(R) BH5669V	A4242	5ml	11		02:47	OK	ec
(R) BH1976V	A4243	↓	12		03:29	OK - don't need #9	ec
BH1981V	A4244	↓	13			ng - surr. high	ec
BH1981VS	A4245	↓	14			ng 5ul Cal I-II-XVCA - surr. high	ec

ETC

LABORATORY CHRONICLE: GC-MS Department

DATE 09/12/29 SHIFT _____
FRACTION VOA
INSTRUMENT A
TUNE FILE APET01
SEQUENCE FILE _____
METHOD FILE VOAA
ID FILE IA0080
ANALYST(S) CPLPOLC
SUPERVISOR Gary Memon
BATCH #'s QV10526

(PLEASE INITIAL)

CURRENT CS05 STATUS		STANDARDS UPDATED	
ACQ		DATE	
WIP		BY	

[illegible][illegible]

**U.S.
POLLUTION
CONTROL, INC.**

SUITE 400 SOUTH
2000 CLASSEN CENTER
OKLAHOMA CITY, OKLA. 73106

PHONE OKLA. CITY - (405) 528-8371
TULSA - (918) 446-2786

PERMIT NUMBERS

OCC: MC-27491 & DSD-167
OSDH: SD 47002, 2-14 & 2004
EPA ID: OKT 410010474
OKT 410010466
ICC: MC 153414

No. 49361

LOAD TICKET

CUSTOMER <i>O. H. Materials</i>		DATE <i>11-21-88</i>		OFFICE USE ONLY	
ADDRESS		DISPOSAL PLAN NO.		CUSTOMER NO.	
CITY AND STATE <i>Rocky Point LONG ISLAND N.Y.</i>		CODE		P.O. NO.	
BILL TO		ZIP CODE		CHARGES	
☐ Same As Above		ATTENTION			
MANIFEST NO. <i>499852-4</i>	DISPOSAL SITE <i>PPM PHIL</i>	UNIT NO. <i>128-1009</i>	USPCI ORDER <i>Andin</i>		
AMOUNT <i>11 lbs</i>	☐ Yds ☐ Gals ☐ Bbls ☐ Lbs.	TIME START <i>8 AM</i>	FINISH <i>5 PM</i>	TOTAL TIME <i>7 Hrs.</i>	DEMURRAGE TIME <i>Hrs.</i>
DESCRIPTION <i>2 Bbls Waste Polychlorinated Biphenyl material</i>				DISBURSEMENT	
Waste Code No. <i>2 waste transformers</i>					
Waste Code No.					
AGREEMENT Customer agrees to indemnify and save harmless United States Pollution Control, Inc. (USPCI), its agents and employees, against any and all liabilities, obligations, claims, losses, and expenses (1) caused or created by Customers, its sub-contractors, or the agents and employees of either, whether negligent or not, arising out of work hereunder, or (2) arising out of injuries (including death) suffered or allegedly suffered by employees of Customer or its sub-contractors (a) in the course of their employment, or (b) in the performance of work hereunder, due to the failure of Customer, or their sub-contractors, or anyone directly or indirectly employed by them or any of them to act with due care while engaged in the performance of work contemplated by this Agreement. Further, in connection with the work hereunder, Customer shall indemnify and save harmless USPCI and the owner of any real property upon which the work is to be performed against any liability to sub-contractors or other third persons under the mechanics, materialmen, labor or other applicable lien laws of the State in which the work is to be performed. I have read and understand the terms of this Agreement and represent that I am authorized to sign the same as agent of Customer. Signed By <i>[Signature]</i> CUSTOMER REPRESENTATIVE					

USPCI-109-B

CUSTOMER - NOT AN INVOICE!

*2 Transformers
11/21
Biphenyl oil
DHS
Bills*

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039 Expires 3-31-88

Please print or type.

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA No.

Manifest
Document No.2. Page 1
of 1Information in the shaded areas
is not required by Federal Law

E 7 0 9 8 2 5 3 0 2 2 2 1 1 2 1 8

3. Generator's Name and Mailing Address

A. State Manifest Document No.

NY A 798852 6

O. N. Materfels

Rock Point and River Road, Long Island, NY

4. Generator's Phone ()

B. Generator's ID

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID 1165 AA

U.S.P.C.I.

0 K D 9 8 1 5 1 4 4 7 4

D. Transporter's Phone (405) 324-5066

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ()

9. Designated Facility Name and Site Address

10. US EPA ID Number

G. State Facility's ID

PPN, Inc.

4105 Whitaker Avenue

Philadelphia, PA 19124

P I A D 9 8 1 1 1 3 7 4 9

H. Facility's Phone

(215) 425-5144

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

12. Containers

13. Total

14. Unit

15. Waste No.

No.

Type

Quantity

Wt/Vol

Waste No.

a. Waste Hazardous Substance Solid, N.O.S., ORM-E,
NA9188 (Polychlorinated Biphenyls), RQ

B M

P

B005

b.

c.

d.

J. Additional Descriptions for Materials listed Above

K. Handling Codes for Wastes Listed Above

a. Polychlorinated Biphenyls

c

a

B

c

b.

d

b

c

d

15. Special Handling instructions and Additional Information

Dike and contain. In case of spill notify Michael Spielberger at 215-425-5144.
Also picked up - transformers (Non-regulated and Non-hazardous 2 ppm).

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

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

Printed/Typed Name

Signature

Mo. Day Year

17. Transporter 1 (Acknowledgement or Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Form Approved, OMB No. 2050-0039 Expires 3-30-98

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 9 8 2 5 3 0 2 2 2 1 1 2 1 8		Manifest Document No. 1		2. Page 1 of 1 Information in the shaded areas is not required by Federal Law	
3. Generator's Name and Mailing Address O. M. Materials Rock, Point and River Road, Long Island, NY				A. State Manifest Document No. NY A798852 6			
4. Generator's Phone ()				B. Generator's ID			
5. Transporter 1 Company Name U.S.P.C.I.		6. US EPA ID Number OKD 9 8 1 5 1 4 4 7 4		C. State Transporter's ID 1162 11		D. Transporter's Phone () 405 324-5066	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone ()	
9. Designated Facility Name and Site Address PPM, Inc. 4105 Whitaker Avenue Philadelphia, PA 19124		10. US EPA ID Number PA D 9 8 1 1 1 3 7 4 9		G. State Facility's ID		H. Facility's Phone (215) 425-5144	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers		13. Total Quantity	
a. Waste Hazardous Substance Solid, H.O.S., ORM-E, NA9188 (Polychlorinated Biphenyls), AQ				No. Type		14. Unit Wt/Vol	
b.						15. Waste No.	
c.							
d.							
J. Additional Descriptions for Materials listed Above				K. Handling Codes for Wastes Listed Above			
a.				a. ☐ c. ☐			
b.				b. ☐ d. ☐			
15. Special Handling Instructions and Additional Information Dike and contain. In case of spill notify Michael Spielberg at 215-425-5144. Also picked up - transformers (Non-regulated and Non-hazardous 2 ppm).							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the most appropriate method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. (If I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.)							
Printed/Typed Name				Signature			
17. Transporter 1 (Acknowledgement or Receipt of Materials)				Signature			
Printed/Typed Name KAY ANDERSON				Signature Kay Anderson			
18. Transporter 2 (Acknowledgement or Receipt of Materials)				Signature			
Printed/Typed Name				Signature			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name				Signature			
Printed/Typed Name				Signature			



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039 Expires 3-30-88

Please print or type.

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA No.

Manifest Document No.

2. Page 1 of 1

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

3. Generator's Name and Mailing Address

S. S. Materials
Rock, Point and Silver Road, Long Island, NY

4. Generator's Phone ()

A. State Manifest Document No.

NY A 798852 6

B. Generator's ID

5. Transporter 1 (Company Name)

U.S.P.C.I.

6. US EPA ID Number

060901510074

C. State Transporter's ID

1165 11

D. Transporter's Phone ()

212-2000

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ()

9. Designated Facility Name and Site Address

PPH, Inc.
4155 Whitaker Avenue
Pittsburgh, PA 15224

10. US EPA ID Number

P00901111749

G. State Facility's ID

H. Facility's Phone

(724) 425-5144

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

12. Containers

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. **Waste Hazardous Substance Solid, U.S.S., GHS-2,**
060901 (Polychlorinated Biphenyls), 20

b. **300**

J. Additional Descriptions for Materials listed Above

K. Handling Codes for Waste Listed Above

a. ☐ b. ☐ c. ☐ d. ☐

15. Special Handling Instructions and Additional Information

Other and contain. In case of spill notify Michael Spitzberger at 718-425-5144.
Also picked up - transformers (non-regulated and non-hazardous 2 each).

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

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

Printed/Typed Name

Signature

Mo. Day Year

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

1121HA

Name of Carrier:

at **Rocky Point and River Head, Long Island** 19

From **RCA Global Communications**

[illegible]

By signing this bill of lading, the shipper certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, and hereby agrees to be bound by the same. The shipper also certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, and hereby agrees to be bound by the same. The shipper also certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, and hereby agrees to be bound by the same.

Consigned to

Dowser Electric

Mail or street address at consignee—For purposes of notification only

Destination

215 Main Street

State NY Zip _____

City **Cortland** Delivery Address ★

*To be filled in only when shipper desires and governing tariffs provide for delivery thereof:

Route

Contact - John Daniels at 607-756-5634

Delivering Carrier

Car or Vehicle Initials

No

Date	No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions

*WEIGHT
(Subject to
Correction)Class
or RateCheck
Column

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here. To be Prepaid.

Received \$ _____
to apply in prepayment of the charges on the
property described hereon.

Agent or Cashier

Per _____
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced

When shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's receipt.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

100% The boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper.

Wilson Jones

trans former
Non Hay.

20

4

HAZMAT



12414

DATE

11 / 21 / 88

ENVIRONMENTAL GROUP, INC.
P.O. BOX 876, Buffalo, N.Y. 14217

(716) 877-5533

NYDEC# 9A-278
EPA ID# NYD980769947

PICK UP

DELIVERY

NAME **RCA Global Communications**
STREET **Rocky Point and Riverhead**
CITY **New York** STATE **NY** ZIP CODE
CONTACT NAME **Sam Waites** 718-712-9106
SCHEDULED TIME **8am**

NAME **Dowzer Electronics**
STREET **215 Main St.**
CITY **Cortland** STATE **NY** ZIP CODE
CONTACT NAME
SCHEDULED TIME

ADDITIONAL INFORMATION

Falt non PCB Transf. highest is 7'2"**7,700 lbs.****non Haz Non Reg.**

Pursuant to 6NYCRR 372.2

(b) (ii), HazMat certifies that
it is authorized to deliver this
shipment of manifested waste
to the TSDF listed on this
Bill of Lading

PURCHASE ORDER NO

WORK ORDER NUMBER

MANIFEST NUMBER

H.M. NUMBER

LOAD NUMBER

TRACTOR NUMBER

TRAILER NUMBER

DRIVER'S NAME

1121 HA**13614****F-1****W.H.I.F.**

TYPE (CIRCLE ONE)

MATERIAL DESCRIPTION

QUANTITY

TANK (S/S) (R/L)

VAC

DUMP

VAN

ROLL-OFF

LATBED**EMPTY TRANSFORMERS
NON-HAZ. / NON REG****26**

PICK UP

DEPARTURE

ARRIVAL TIME **7:00 AM** RELEASE TIME **6:00 PM**DRIVER _____ DATE _____
ARRIVAL TIME _____ AM PM RELEASE TIME _____ AM PMTRAILER EMPTY UPON ARRIVAL
(If not, explain below)☒ YES ☐ NOTRAILER EMPTY UPON DEPARTURE ☐ YES ☐ NO
(If not, explain below)

DIP MEASUREMENT (T) _____ INCHES

COMMENTS: (EXPLAIN)

COMMENTS: (EXPLAIN ALL DELAYS)

UNTRAP +**Slow to back up with****Backhoe****Water from GUTS**

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

X **Bill Wright**
SHIPPER'S SIGNATURE**X**
CONSIGNEE'S SIGNATURE

HAZMAT



12414

ENVIRONMENTAL GROUP INC.
P.O. BOX 878, Buffalo, N.Y. 14217

(718) 877-5533

NYDEC# BA-278
EPA ID# NYD000700047

PICK UP			DELIVERY		
NAME SCA Global Communications			NAME Dowzer Electronics		
STREET Rocky Point and Riverhead			STREET 215 Main St.		
CITY New York		STATE NY	CITY Cortland		STATE NY
CONTACT NAME Sam Weltes 718-712-9100			CONTACT NAME		
SCHEDULED TIME 8:59			SCHEDULED TIME		
ADDITIONAL INFORMATION Falt non PCB Transf. Highest is 7'2" 7,700 lbs. Non-Haz Non Reg.			ADDITIONAL INFORMATION Pursuant to 6NYCRR 372.2 (b) (ii), HazMat certifies that it is authorized to deliver this shipment of manifested waste to the TSDF listed on this Bill of Lading		
PURCHASE ORDER NO. ★		WORK ORDER NUMBER ★	MANIFEST NUMBER 112114A		H.M. NUMBER 13014
LOAD NUMBER		TRACTOR NUMBER	TRAILER NUMBER F-1		DRIVER'S NAME W. H. T. E.

TYPE (CIRCLE ONE)	MATERIAL DESCRIPTION	QUANTITY
TANK (S/S) (R/L) VAC DUMP VAN ROLL-OFF FLATBED	EMPTY TRANSFORMERS NON-HAZ. / NON REG	60

PICK UP	DELIVERY
ARRIVAL TIME 7:00 AM	DRIVER _____ DATE _____
RELEASE TIME 6:00 PM	ARRIVAL TIME _____ AM _____ PM
TRAILER EMPTY UPON ARRIVAL ☒ YES ☐ NO (If not, explain below)	TRAILER EMPTY UPON DEPARTURE ☐ YES ☐ NO (If not, explain below)
DIP MEASUREMENT (Tankers Only) _____ INCHES	COMMENTS (EXPLAIN ALL DELAYS) _____
COMMENTS (EXPLAIN ALL DELAYS) UNTRAP + TRAP LOAD SLOW LOADING / LOADING WITH BACKLOG NO CRANE / DRAIN WATER FROM UNITS	COMMENTS (EXPLAIN ALL DELAYS) _____
I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.	I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.
SHIPPER'S SIGNATURE X	CO-DRIVER SIGNATURE X

11/21
26
11/21/2000

This Memorandum

An acknowledgment of receipt of a bill of lading has been issued and is not the only bill of lading. This is a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. 1121HA

Hazmat Environmental Group

Carrier's No.

(Name of Carrier)

RECEIVED subject to the classifications and tariffs in effect on the date of the issue of the Bill of Lading.

Rocky Point and River Head, Long Island

From RCA Global Communications

Properties described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Motor Carrier Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date thereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of the shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Dowser Electric

(Mall or street address of consignee—For purposes of notification only)

Destination 215 Main Street

State NY Zip

City Cortland Delivery Address *

*To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route Contact - John Daniels at 607-756-5634

Delivering Carrier

Car or Vehicle Initials

No.

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT (Subject to Correction)	Class or Rate	Check Column
26	Empty Distribution Transformers			
	All transformers are non hazardous (less than 2ppm PCB)			
	Total empty weight			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse to the consignee, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per

HAZMAT ENVIRONMENTAL GROUP INC.

Agent, Per

John J. Jolley

4

Permanent post-office address of shipper.

WILSON JONES
GRAYLINE FORM 64 302 6-80-27



I have read and understand the terms of this Agreement and represent that I am authorized to sign the same as agent of Customer.

Signed By

CUSTOMER REPRESENTATIVE

CUSTOMER - NOT AN INVOICE

THE UNDERSIGNED CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

THE UNDERSIGNED CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

SHIPPER'S SIGNATURE

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year



Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

PLEASE PRINT IN INK OR TYPE (Elite, 12-pitch).



H76521

OHM

H 76521

Waste Profile Sheet Code

WMI Location of Original: _____

(SHADED AREAS FOR WMI USE ONLY)

WMI Sales Rep. #: _____

A. GENERAL INFORMATION

1. Generator Name: General Electric 2. Generator USEPA ID: NY0982530322
3. Facility Address: One Independence Way, 45 Rt. 1 4. Generator State ID: _____
P.O. Box 3023
Princeton, NJ 08540 5. Zip Code: _____
6. Technical Contact: JR Kelly 7. Title: Regional Coordinator 8. Phone: (609) 982-0010

B. MAIL WASTE MANAGEMENT, INC. INVOICES TO

1. ☐ Generating Facility (A, above), or
2. Company Name: O.H. Materials Corp. 3. Phone: () _____
4. Address: Four Research Way
Princeton, NJ 08540 5. Zip Code: _____

C. 1. NAME OF WASTE Building Debris Contaminated with PCB's
2. PROCESS GENERATING WASTE Building Demolition and Decontamination
3. Is this waste a Dioxin listed waste as defined in 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027, or F028)?
☐ Yes ☒ No If yes, DO NOT COMPLETE this form. Contact your Waste Management, Inc. sales representative for assistance.

D. PHYSICAL CHARACTERISTICS OF WASTE

1. Color: Black 2. Does the waste have a strong incidental odor?
☒ No ☐ Yes If known, describe: _____
3. Physical State @ 70°F:
☒ Solid ☐ Semi-Solid
☐ Liquid ☐ Powder
Other: _____
4. Layers:
☐ Multilayered
☐ Bi-layered
☒ Single Phased
5. Specific Gravity: Range: 1.25
6. Free Liquids:
☐ Yes ☒ No
Volume: 0 %
7. pH: ☐ ≤ 2 ☐ > 2-4 ☐ 4-7 ☐ 7 ☒ 7-10 ☐ 10- < 12.5 ☐ ≥ 12.5 ☐ Range _____ ☐ NA
8. Liquid Flash Point: ☐ < 73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☒ ≥ 200°F ☐ None ☒ Closed Cup ☐ Open Cup

E. CHEMICAL COMPOSITION

	RANGE	
	MIN. - MAX.	
1. <u>Concrete and Wood Building Debris</u>	<u>85 - 90</u>	%
<u>Misc. Debris (Glass, Roofing Tar, Crushed Bricks and Protective Clothing)</u>	<u>5 - 10</u>	%
<u>PCB's</u>	<u>0.010 - 0.04</u>	%
		%
		%
		%
		%
		%
		%

Please note: The chemical composition total in the maximum column must be greater than or equal to 100%.

TOTAL: 100 %

2. Indicate if this waste contains any of the following:

	NONE	or	LESS THAN	or	ACTUAL
PCB's	☐		< 50 ppm		<u>350</u> ppm
Cyanides	☒		< 50 ppm		ppm
Phenolics	☒		< 50 ppm		ppm
Sulfides	☒		< 50 ppm		ppm

F. METALS Indicate if this waste contains any of the following:

METAL	1. ☒ EP TOX/TCLP	or	2. ☐ Total
	LESS THAN	or	ACTUAL
	(Parts Per Million)		
Arsenic	☒ < 5	☐ < 500	
Barium	☒ < 100		
Cadmium	☒ < 1	☐ < 100	
Chromium	☒ < 5		
Lead	☒ < 5	☐ < 500	
Mercury	☒ < 0.2	☐ < 20	
Selenium	☒ < 1	☐ < 100	
Silver	☒ < 5		
Chromium-Hex	☒ < 5	☐ < 500	
Copper	☒ < 5		
Nickel	☒ < 5	☐ < 134	
Thallium	☒ < 5	☐ < 130	
Zinc	☒ < 5		
	☐ <		
	☐ <		
	☐ <		

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

OHM

H 76521

Waste Profile Sheet Code

G. OTHER HAZARDOUS CHARACTERISTICS

- Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005)? ☐ Yes ☒ No
- Does this waste contain greater than 1000 ppm total halogenated organic compounds? ☐ Yes ☒ No
- Indicate if this waste is any of the following:

☐ RCRA Reactive	☐ Radioactive
☐ Water Reactive	☐ Etiological
☐ Explosive	☐ Pesticide Manufacturing Waste
☐ Shock Sensitive	☒ Other <u>PCB</u>
☐ Pyrophoric	☐ None of the above

H. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS or INCINERATION

	LESS THAN	or	ACTUAL	
Beryllium	☐ < 5000 ppm		_____	ppm
Potassium	☐ < 5000 ppm		_____	ppm
Sodium	☐ < 5000 ppm		_____	ppm
Total Bromine	☐ < 2 %		_____	%
Total Chlorine	☐ < 35 %		_____	%
Total Fluorine	☐ < 1 %		_____	%
Total Sulfur			_____	%

I. OPTIONAL — RECLAMATION, FUELS, OR INCINERATION PARAMETERS

- Provide if information is available. N/A
- Range
- Heat Value (BTU/lb): _____
 - Water: _____ %
 - Viscosity (cps): _____ @ ☐ _____ °F ☐ 100°F ☐ 150°F
 - Ash: _____ %
 - Settleable solids: _____ %
 - Vapor Pressure @ STP (mm/Hg): _____
 - Is this waste a pumpable liquid? ☐ Yes ☐ No
Type of pump? _____
 - Can this waste be heated to improve flow? ☐ Yes ☐ No
 - Is this waste soluble in water? ☐ Yes ☐ No
 - Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? ☐ Yes ☐ No

J. TRANSPORTATION INFORMATION

- Is this a DOT Hazardous Material? ☐ Yes ☐ No
- Anticipated Annual Volume/Units: 80 1 yd³
- Proper Shipping Name: Waste, Hazardous Substance, N.O.S.
- Hazard Class: ORM-E
- I.D. #: NA 9188
- Additional Description: _____
- Method of Shipment: ☐ Bulk Liquid ☒ Bulk Solid ☐ Drum (Type/Size): _____ Other: _____
- CERCLA Reportable Quantity (RQ): 10
- RQ Units (lb/kg): 16
- USEPA Hazardous Waste? ☐ Yes ☒ No
- USEPA Hazardous Waste Number(s): N/A
- State Hazardous Waste? ☒ Yes ☐ No
- State Hazardous Waste Number(s): 8002

K. SPECIAL HANDLING INFORMATION

Analytical Report Enclosed. No Sample Forwarded
due to the nature of this material
PO # J6321-45781

☐ Additional Page(s) Attached

L. GENERATOR CERTIFICATION I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

1. William P. Wright
Signature

2. R. Engle Mgr
Title

3. WILLIAM P. WRIGHT
Name (Type or Print)

4. 10-27-88
Date

ANALYTICAL REPORT

Findlay Laboratory, A Division of
Environmental Testing and Certification Corp.
16406 U.S. Route 224 East
P.O. Box 1404
Findlay, Ohio 45839-1404

 **ETC - FINDLAY LABORATORY**

CLIENT: General Electric Co.
Long Island, NY

ATTN: S. Archinal
S. Waits

PROJECT NUMBER: 6321

SAMPLE TYPE: Solid

ANALYSIS PERFORMED:

RCRA Characteristics, Polychlorinated Biphenyls (PCBs),
and RCRA Parameters

(Samples: 0005 and 0006)

DATE COMPLETED: 10/07/88

DATE RECEIVED: 9/20/88

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. Environmental Testing and Certification Corp. assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

The analyses and data interpretation that form the basis of this report was prepared under the direct supervision and control of the undersigned who is solely responsible for the contents and conclusions therein.

Reviewed and
Approved by:


R. J. Schock, Mgr., -ETC Findlay Laboratory


Date

PROJECT 6321SUMMARY REPORT OF ANALYTICAL SERVICES1. INTRODUCTION

Environmental Testing & Certification Corp. (ETC) Findlay Laboratory received samples from O.H. Materials Corp. These samples were acquired by their technical personnel and transferred to the laboratory complete with a chain-of-custody record, a copy of which is attached for reference. These samples were analyzed for the following:

RCRA Characteristics

- o Solubility - All samples were tested for solubility in water and hexane to separate out samples which were physically incompatible with each other.
- o Flash Point - Flash points were performed at 60°C according to the procedure specified in USEPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, 2nd edition, July 1982; Method 1020, Seta-flash Closed-cup Method.
- o Oxidizers - All water soluble or partially water soluble samples were tested for oxidizing strength by a spot test with potassium iodide and starch paper.
- o pH - All samples that were water soluble were tested with pH strips to determine if they were corrosive as per EPA 600/4-84-038 (May 1984); Characterization of Hazardous Waste Sites, Vol. III.
- o Sulfides - Sulfide analyses were performed according to EPA 600/4-84-038, Characterization of Hazardous Waste Sites-A Methods Manual, May 1984; Section 17, G.1.2. Determination of Sulfide in Solid Phase Hazardous Waste Disposal Site Samples.
- o Peroxides - All samples were tested for the presence of peroxides by using commercially available peroxide test strips.
- o Cyanides - All water soluble samples were tested for cyanide by a spot test with Chloramine-T and barbituric acid.
- o Bielstein Test - All hexane soluble samples were tested by this method to determine if halogenated organics were present in the sample.

PROJECT 6321SUMMARY REPORT OF ANALYTICAL SERVICES

- o Polychlorinated Biphenyl (PCBs) Screen - Extracts resulting from the hexane solubility test were composited and analyzed according to USEPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, 2nd edition, July 1982; Method 8080, Organochlorine Pesticides and PCBs.

RCRA Parameters

- o Metals - Samples were prepared and analyzed according to USEPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, 2nd edition, July 1982. Samples were prepared by Method 3010, 3030, 3050, or 1310 as appropriate for the following metals: arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, and silver. Sample analyses for these metals were performed according to Method 6010, Inductively Coupled Plasma Method (SW-846 Proposed Sampling and Analytical Methodologies, 1984).
- o Pesticides - Solid sample leachates were analyzed for pesticides according to Standard Methods for the Examination of Water and Wastewater, 16th edition, 1985; Method 509A.
- o Herbicides - Solid sample leachates were analyzed for herbicides according to Standard Methods for the Examination of Water and Wastewater, 16th edition, 1985; Method 509B.

Polychlorinated Biphenyls (PCBs) - Solid/Soil

Solid samples are prepared and analyzed according to USEPA Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, 2nd edition, July 1982; Method 3550, Sonication Extraction and Method 8080, Organochlorine Pesticides and PCBs.

2. ANALYTICAL RESULTS

The following tables detail the analytical results for samples #6321-0005 and #6321-0006.

PROJECT 6321TABLE 1 - RCRA CHARACTERISTICS

SAMPLE IDENTIFIER: Concrete Loose Rock
ETC SAMPLE NUMBER: 6321-0005

Characteristics	Results
Description	Solid/Black
Water Reactivity	Negative
Water Solubility	Insoluble
Hexane Solubility	Partially insoluble
Peroxide	< 100 mg/Kg
Oxidizer	< 100 mg/Kg
Bielstein	< 100 mg/Kg
pH	7 pH units
Sulfide	< 100 mg/Kg
Cyanide	< 100 mg/Kg
Flash Point, SF, CC	> 60°C
Igintibility	Negative
Corrositivity	Negative
Reactivity	Negative

mg/Kg = ppm (parts-per-million)

PROJECT 6321TABLE 1 - RCRA CHARACTERISTICS (CONTINUED)

SAMPLE IDENTIFIER: Concrete Loose Rock
ETC SAMPLE NUMBER: 6321-0006

=====	
Characteristics	Results
=====	
Description	Solid/Black
Water Reactivity	Negative
Water Solubility	Insoluble
Hexane Solubility	Partially insoluble
Peroxide	< 100 mg/Kg
Oxidizer	< 100 mg/Kg
Bielstein	< 100 mg/Kg
pH	7 pH units
Sulfide	< 100 mg/Kg
Cyanide	< 100 mg/Kg
Flash Point, SF, CC	> 60°C
Igintibility	Negative
Corrositivity	Negative
Reactivity	Negative

mg/Kg = ppm (parts-per-million)

PROJECT 6321TABLE 2 - SEMI-VOLATILE PCBS BY GC ANALYSIS

SAMPLE IDENTIFIER: Concrete Loose Rock
ETC SAMPLE NUMBER: 6321-0005

Compound	Concentration (mg/Kg)
Aroclor 1016	BDL
Aroclor 1221	BDL
Aroclor 1232	BDL
Aroclor 1242	BDL
Aroclor 1248	BDL
Aroclor 1254	BDL
Aroclor 1260	462
Aroclor 1262	BDL
Aroclor 1268	BDL

Limit of Detection = 1.0 mg/Kg ppm (parts-per-million)
BDL = Below Detection Limit

PROJECT 6321TABLE 2 - SEMI-VOLATILE PCBS BY GC ANALYSIS (CONTINUED)

SAMPLE IDENTIFIER: Concrete Loose Rock
ETC SAMPLE NUMBER: 6321-0006

Compound	Concentration (mg/Kg)
Aroclor 1016	BDL
Aroclor 1221	BDL
Aroclor 1232	BDL
Aroclor 1242	BDL
Aroclor 1248	BDL
Aroclor 1254	BDL
Aroclor 1260	2.95
Aroclor 1262	BDL
Aroclor 1268	BDL

Limit of Detection = 1.0 mg/Kg ppm (parts-per-million)
BDL = Below Detection Limit

PROJECT 6321TABLE 3 - RCRA PARAMETERS

SAMPLE IDENTIFIER: Concrete Loose Rock
ETC SAMPLE NUMBER: 6321-0005

=====		
Compound	Concentration (mg/L)	Detection Limit (mg/L)
=====		
<u>RCRA Metals</u>		
Arsenic	BDL	0.1
Barium	BDL	0.1
Cadmium	BDL	0.1
Chromium	BDL	0.1
Lead	BDL	0.1
Mercury	BDL	0.05
Selenium	BDL	0.1
Silver	BDL	0.1
<u>Pesticides</u>		
Lindane	BDL	0.001
Endrin	BDL	0.001
Methoxychlor	BDL	0.01
Toxaphene	BDL	0.01
<u>Herbicides</u>		
2,4-D	BDL	0.01
2,4,5-TP	BDL	0.01

mg/L = ppm (parts-per-million)
BDL = Below Detection Limit

PROJECT 6321TABLE 3 - RCRA PARAMETERS (CONTINUED)

SAMPLE IDENTIFIER: Concrete Loose Rock
ETC SAMPLE NUMBER: 6321-0006

Compound	Concentration (mg/L)	Detection Limit (mg/L)
<u>RCRA Metals</u>		
Arsenic	BDL	0.1
Barium	BDL	0.1
Cadmium	BDL	0.1
Chromium	BDL	0.1
Lead	BDL	0.1
Mercury	BDL	0.05
Selenium	BDL	0.1
Silver	BDL	0.1
<u>Pesticides</u>		
Lindane	BDL	0.001
Endrin	BDL	0.001
Methoxychlor	BDL	0.01
Toxaphene	BDL	0.01
<u>Herbicides</u>		
2,4-D	BDL	0.01
2,4,5-TP	BDL	0.01

mg/L = ppm (parts-per-million)
BDL = Below Detection Limit



CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 03/88

No. 50965

O. H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME		PROJECT LOCATION		ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)		NUMBER OF CONTAINERS		REMARKS	
PROJ. NO.	PROJECT CONTACT	PROJECT NO.	PROJECT TELEPHONE NO.						
6321	Robby Deane	Rocky Creek, NY	(609) 529-0130						
CLIENT'S REPRESENTATIVE				PROJECT MANAGER/SUPERVISOR					
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)			
1	0005	9/19/88				Gray Concrete Waste Rock Black rock preservative	1-64		
2	0006	9/19/88				Gray Concrete Waste Rock Black rock preservative	1-64		
3									
4									
5									
6									
7									
8									
9									
10									
TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY		TRANSFERS ACCEPTED BY		DATE	TIME	REMARKS	
1	1-2			Fedex					
2	1-2	Fedex 9/20/88 10:45		Larry Deane		9/20/88	10:45		
3								SAMPLER'S SIGNATURE	
4									

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 3-30-88

Please print or type.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA No.

N Y D 9 9 2 5 3 8 2 2 2

Manifest
Document No.

1111111111

2. Page 1 of 1 Information in the shaded areas is not required by Federal Law

3. Generator's Name and Mailing Address

General Electric Corp.
Attn: Mr. Maurice Cannolis, One Independence Way, P.O. 2023
Princeton, NJ 08540
Generator's Phone (609) 734-9845

A. State Manifest Document No.

NY A 754320 6

B. Generator's ID

ROCKY POINT, NY

5. Transporter 1 (Company Name)

Hazard Environmental Group, Inc.

6. US EPA ID Number

N Y D 9 9 8 7 6 9 9 1 7

C. State Transporter's ID

92-230030-1

D. Transporter's Phone (716) 877-5533

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ()

9. Designated Facility Name and Site Address

SCA Chemical Services, Inc.
1135 Palmer Road
Model City, NY 14107

10. US EPA ID Number

N Y D 0 4 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone

716-754-8231

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

a. RC Waste, Hazardous Substance, Solid, H.O.S., ORM-E,
NA 9188 (PCB), (PCB)12. Containers
No. Type13. Total
Quantity14. Unit
Wt/Vol

15. Waste No.

0 2 1 D T

Y

1

J. Additional Descriptions to

a

b

K. Handling Codes for Wastes Listed Above

a

b

15. Special Handling Instructions and Additional Information

Emergency Contact: J R Kelly, O.W. Materials
Corp. (609) 987-8819 Work Order No.: 140-069. Profile No.: H 75521, F.O. No.: J 6321-
45181 Trans. Permit No. 72-1234

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

If I am a large quantity generator, I have made a good faith effort to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and the best waste management method currently available to me which minimizes the present and future threat to human health and the environment. If I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Mo. Day Year

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

18. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039 Expires 9-30-88

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD982530222		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law					
3. Generator's Name and Address General Electric Attn: Mr. Michael C. Capulis, One Independence Way, P.O. 2023 Princeton, NJ 08540						A. State Manifest Document No. NY A754320 6							
4. Generator's Phone () 734-9885						B. Generator's ID ROCKY POINT							
5. Transporter 1 (Company Name) Hazmat Environmental Group, Inc.						C. State Transporter's ID 92-270							
6. US EPA ID Number NYD980769947						D. Transporter's Phone () (716) 877-3533							
7. Transporter 2 (Company Name)						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone ()							
9. Designated Facility Name and Site Address SCA Chemical Services, Inc. 1135 Palmer Road Model City, NY 14187						G. State Facility's ID							
10. US EPA ID Number NYD049836679						H. Facility's Phone 716-754-8231							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) HA 3188 (PCB), (PCB)						12. Containers No. Type 4 51 D T		13. Total Quantity 1		14. Unit Wt/Vol 1		15. Waste No. 1	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the most practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.						K. Handling Codes for Wastes Listed Above a ☐ b ☐ c ☐ d ☐							
15. Special Handling Instructions and Additional Information Emergency Contact: J R Kelly, O.H. Materials Corp. (682) 987-6818 Work Order No. 45131 Trans. Permit No. 45131													
17. Transporter 1 (Acknowledgement or Receipt of Materials) Printed/Typed Name JEFF WHITE Signature JEFF WHITE Mo. Day Year 11/18/88													
18. Transporter 2 (Acknowledgement or Receipt of Materials) Printed/Typed Name Signature Mo. Day Year													
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Mo. Day Year													

NYA 754320 6



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039 Expires 9-30-88

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. 870902530222		Manifest Document No. 7		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.					
3. Generator's Name and Mailing Address General Electric Corp. Attn: Mr. William J. Gellis, One Independence Way, P.O. 3023 Princeton, NJ 08540						A. State Manifest Document No. NY A 754320 6							
4. Generator's Phone () 609 734-9003						B. Generator's ID ROCKY POINT							
5. Transporter 1 (Company Name) Wormet Environmental Group, Inc.						C. State Transporter's ID 90-270							
6. US EPA ID Number 870900709947						D. Transporter's Phone () (716) 877-3413							
7. Transporter 2 (Company Name)						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone ()							
9. Designated Facility Name and Site Address SCA Chemical Services, Inc. 1135 Salmer Road Madison City, NJ 14167						G. State Facility's ID							
10. US EPA ID Number 87090030679						H. Facility's Phone 716-754-0232							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. 100 LBS. HAZARDOUS SUBSTANCE, SOLID, F.O.B., UN-1, IN 55G (PCN), (PCN)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						0 0 1 0 7 0 0 0 2 5				0007			
b.													
c.													
d.													
J. Additional Descriptions for Materials listed Above Solid 10/10/10						K. Handling Codes for Wastes Listed Above							
a						c		a		c			
b						d		b		d			
15. Special Handling Instructions and Additional Information Emergency Contact: J S Kelly, E.S. Materials Corp. (609) 907-0010 Work Order No. 1, Facility No. 1, P.O. No. 1, J 0171-43101 Trans. Permit No.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name						Signature						Mo. Day Year	
17. Transporter 1 (Acknowledgement of Receipt of Materials)						Signature						Mo. Day Year	
Printed/Typed Name						Signature						Mo. Day Year	
18. Transporter 2 (Acknowledgement or Receipt of Materials)						Signature						Mo. Day Year	
Printed/Typed Name						Signature						Mo. Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Mo. Day Year	

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039 Expires 3-30-88

Please print or type.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA No.
NY D 9 3 2 5 3 9 2 2 2

Manifest
Document No.

2. Page 1 of 1 information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address

General Electric Corp.
Attn: Mr. **Maxwell C. Cannelis**, One Independence Way, P.O. 2#23
Princeton, NJ 08540
Generator's Phone (609) 734-9885

A. State Manifest Document No.

NY A754321 5

B. Generator's ID

ROCKY POINT

5. Transporter 1 Company Name

Razmat Environmental Group, Inc.

6. US EPA ID Number

NY D 9 8 8 7 6 9 9 4 7

C. State Transporter's ID

22-278707-1

D. Transporter's Phone (716) 877-5533

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ()

9. Designated Facility Name and Site Address

SCA Chemical Services, Inc.
1135 Balmer Road
Model City, NY 14187

10. US EPA ID Number

NY D 4 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone

716-754-8231

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

Waste, hazardous Substance, Solid, H.O.S., ORM-E,
NA 9188 (PCB), (PCR)

12. Containers

No. Type

13. Total Quantity

14. Unit

Wt/Vol

15. Waste No.

8 0 1 D T 0 0 0 0 0 0 Y

J. Additional Descriptions for Materials listed Above

Solid/Toxic

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Emergency Contact: J R Kelly, O.M. Materials
Corp. (609) 987-6618 Work Order No.: 70000, Profile No.: H 76521, P.O. No.: J 6321-
45181 Trans. Permit No.

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

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

Printed/Typed Name

Signature

Mo. Day Year

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year

NY A 754321 5



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 1047-003 Expires 12/96

Please print or type.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA No.

NY D 9 8 2 5 3 9 2 2 2

Manifest
Document No.

2. Page 1 Information in the shaded area is not required by Federal Law

3. Generator's Name and Mailing Address

General Electric Corp.

**Attn: Mr. Maurice Carmella, One Independence Way, P.O. 2923
Princeton, NJ 08540**

4. Generator's Phone () **609 734-9895**

A. State Manifest Document No.

NY A754321 5

B. Generator's ID

ROCKY POINT

5. Transporter 1 Company Name

Haemat Environmental Group, Inc.

6. US EPA ID Number

NY D 9 8 0 7 6 9 9 4 7

C. State Transporter's ID

92-278761

D. Transporter's Phone (716) **977-4533**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

CCA Chemical Services, Inc.

1135 Palmer Road

Model City, NY 14137

10. US EPA ID Number

NY D 8 4 9 5 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone

716-754-8231

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

**HAQ Waste, hazardous Substance, Solid, H.O.S., ORM-E,
NA 9185 (PCB), (PCB)**

12. Containers

No. Type Total Quantity Unit Wt/Vol Waste No.

2 0 1 D T Y 0007

14. Additional Descriptions for Materials Listed Above

Solid/Toxic

K. Handling Codes for Wastes Listed Above

a	b	c	d

15. Special Handling Instructions and Additional Information

**Emergency Contact: J R Kelly, O.H. Materials
Corp. (609) 987-4818 Work Order No.: , Profile No.: H 76521, P.O. No.: J 6321-
45181 Trans. Permit No. _____**

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

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Printed/Typed Name Signature Mo. Day Year

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name Signature Mo. Day Year

18. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name Signature Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name Signature Mo. Day Year

NY A 754321 5



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039 Expires 6-30-88

Please print or type.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA No.

828982538222

Manifest
Document No.2. Page 1
of 1Information in the shaded areas
is not required by Federal law.

3. Generator's Name and Mailing Address

General Electric Corp.
Attn: Mr. William Connolly, One Independence Way, P.O. 2923
Princeton, NJ 08540

4. Generator's Phone ()

609 734-9895

A. State Manifest Document No.

NY A754321 5

B. Generator's ID

ROCKY POINT

5. Transporter 1 (Company Name)

Nequest Environmental Group, Inc.

6. US EPA ID Number

NYD988769947

C. State Transporter's ID

D. Transporter's Phone ()

7. Transporter 2 (Company Name)

3. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ()

9. Designated Facility Name and Site Address

SCA Chemical Services, Inc.
1135 Salinas Road
Model City, NY 14187

10. US EPA ID Number

NYD849836679

G. State Facility's ID

H. Facility's Phone

716-734-6231

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)

NO WASTE, HAZARDOUS SUBSTANCE, SOLID, E.O.S., OR-Y,
NA 9188 (PCA), (PCA)

12. Containers

No. Type

6 1 0 7

13. Total

Quantity

14. Unit

Wt/Vol

Y

15. Waste No.

2887

J. Additional Descriptions for Materials Listed Above

Solid/Liquid

K. Handling Codes for Wastes Listed Above

a

c

a

c

b

d

b

d

15. Special Handling Instructions and Additional Information

Corp. (609) 987-8818 Work Order No.:
83161 Trans. Permit No.

Emergency Contact: J & Kelly, O.M. Materials
Corp. (609) 987-8818 Work Order No.:
83161 Trans. Permit No.

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

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Printed/Typed Name

Signature

Mo. Day Year

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (516) 457-7402

NY A 754321 5



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 1050-0039 Expires 3-30-88

Please print or type.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA No.

N Y D S 8 2 5 3 8 2 2 2

Manifest
Document No.2. Page 1
of 1Information in the shaded areas
is not required by Federal Law.

3. Generator's Name and Mailing Address

General Electric Corp.
Attn: Mr. Marklen Chablis, One Independence Way, P.O. 2921
Princeton, NJ 08540

4. Generator's Phone ()

609 734-9895

A. State Manifest Document No.

NY A 784322 4

B. Generator's ID

BERRY POINT

5. Transporter 1 Company Name

Hazard Environmental Group, Inc.

6. US EPA ID Number

N Y D S 8 2 7 6 9 9 4 7

C. State Transporter's ID

D. Transporter's Phone (716) 677-5531

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ()

9. Designated Facility Name and Site Address

SCS Chemical Services, Inc.
1135 Walmer Road
Rochester, NY 14107

10. US EPA ID Number

N Y D S 8 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone

716-754-8231

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

100% SOLIDS, HAZARDOUS SUBSTANCE, SOLID, W.O.S., GHS-E,
in 555 (PCN), (PCN)

12. Containers

No.

Type

13.
Total
Quantity14.
Unit
Wt/Vol15.
Waste No.

5 5 1 0 7

2007

1. Additional Descriptions for Materials Listed Above

SOLID/SLURRY

K. Handling Codes for Wastes Listed Above

a

c

a

c

b

d

b

d

15. Special Handling Instructions and Additional Information

Corp. (609) 987-6818 Work Order No. 43181 Trans. Permit No.

Emergency Contact: J E Kelly, G.E. Materials
Facility No.: N 784322, P.O. No.: J 43181

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

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Printed/Typed Name

Signature

Mo. Day Year

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

18. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Environmental Conservation (914) 424-8802.

NY A 784322 4



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 1060-0133 Expires 12/31/94

Please print or type.

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA No.

4 5 0 9 2 5 3 0 2 2 3

Manifest
Document No.

2. Page 1 of 1
Information in the shaded area
is not required by Federal law

3. Generator's Name and Mailing Address

General Electric Corp.
Attn: Mr. Maurice Cornelis, One Independence Way, P.O. 2423
Princeton, NJ 08540
Generator's Phone: 609 734-9895

A. State Manifest Document No.

NY A754323 3

B. Generator's ID

ROCKY POINT NY

4. Transporter 1 (Company Name)

Hazmat Environmental Group, Inc.

5. US EPA ID Number

NY D 9 8 1 7 6 9 9 4 7

C. State Transporter's ID

92-278

D. Transporter's Phone: (716) 877-5533

6. Transporter 2 (Company Name)

7. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

8. Designated Facility Name and Site Address

SCS Chemical Services, Inc.
1175 Collier Road
Rochester, NY 14127

10. US EPA ID Number

NY D 4 4 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone

716-754-8231

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

a. RC Waste, Hazardous Substance, Solid, N.O.S., ORM-E,
HA 3183 (PCB), (PCB)

12. Containers

No. Type

13. Total

Quantity

14. Unit

Wt/Vol

15. Waste No.

401.06 2.1 0010100024 Y 2007

16. Additional Descriptions for Materials listed Above

Solid/Toxic

K. Handling Codes for Wastes Listed Above

a. b. c. d.

a. b. c. d.

15. Special Handling Instructions and Additional Information

Emergency Contact: J R Kelly, O.H. Materials
Corp. (609) 987-9819 Work Order No.: 4-072, Profile No.: H 76521, P.O. No.: J 6321-
45181 Trans. Permit No. 16-278

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

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Printed/Typed Name

ELMETH

Signature

Mo. Day Year

11 2 1994

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

ROCK

Signature

Mo. Day Year

11 2 1994

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

11 2 1994

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year

11 2 1994

NYA 754323 3



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's USEPA ID No.

NY D 9 9 2 5 3 9 2 3 7

2. Generator's Name and Mailing Address

General Electric Corp.

Attn: **Mr. Maurice Cornelis**, One Independence Way, P.O. 2421

Elizabeth, NJ 08546

Phone: 609 734-9895

3. Manifest No. (Permit No.)

NY A754323 3

4. Receiver's Name

ROCKY POINT

92-278

5. Receiver's Company Name

Parsons Environmental Group, Inc.

NY D 9 9 2 5 3 9 2 3 7

Phone: (716) 877-5533

6. Material Name

SCA Chemical Services, Inc.

1175 Salter Road

Model City, NY 14187

NY D 9 9 2 5 3 9 2 3 7

7. Receiver's Phone

716-754-9231

8. US DOT Description, including Proper Shipping Name, Hazard Class and ID Number

**1. RO Waste, Hazardous Substance, Solid, N.O.S., ORM-E,
NA 3188 (PCB), (PCB)**

9. DOT Label

10. DOT Hazard Class

11. DOT ID Number

12. DOT Label

13. DOT Label

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STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

USE PREVIOUS EDITIONS

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
NY 0982530222

2. State of New York
Document No.
1

3. State of New York
Manifest No.
1

Generator's Name and Mailing Address

**General Electric Corp.
Attn: Mr. Maurilio Carvallo, One Independence Way, P.O. 2021
Princeton, NJ 08540
Phone: 609 734-9885**

4. State Manifest Document No.

NY A754324 2

5. Generator's ID

ROCKY POINT

6. Transporter's Name and Mailing Address

Wegmont Environmental Group, Inc. NY 0980765947

7. State of New York

Rocky Point (718) 877-8333

8. State of New York

Rocky Point

9. State of New York

Rocky Point

10. Facility's Name and Mailing Address
**PCA Chemical Services, Inc.
1135 Salmer Road
Madison City, TN 37115**

11. US EPA ID Number
NY 0049036679

12. Facility's Phone
716-754-8331

13. DOT Description, including Proper Shipping Name, Hazard Class and ID Number

**NO Waste, Hazardous Substance, Solid, H.O.S., UN-1,
NA 9180 (PCB), (PCB)**

14. Containers

No. Type Quantity Weight Name

SOLID T

1807

15. Shipping Description (Material Listed Above)

Solid/Waste

16. Shipping Dates (For DOT Use)

17. General Handling Instructions and Additional Information
**Corp. (609) 987-8018 Work Order No.:
45181 Trans. Permit No.**

**Emergency Contact: J E Kelly, O.W. Materials
Profile No.: N 74321, P.O. No.: J 4321-**

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, hazard class, hazard label, hazard code, and are in all respects in proper condition for transport by highway according to applicable international and national provisions, regulations and state laws and regulations.

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

Signature _____ Mo. _____ Day _____ Year _____

18. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name _____ Signature _____ Mo. _____ Day _____ Year _____

19. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name _____ Signature _____ Mo. _____ Day _____ Year _____

20. Discrepancy Indication Space

21. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name _____ Signature _____ Mo. _____ Day _____ Year _____

NY A 754324 2



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's U.S. EPA ID Number
NY 0982534224

Generator's Name and Mailing Address

General Electric Corp.
Attn: Mr. Maurice Cornelis, One Independence Way, P.O. 2823
Princeton, NJ 08540
Phone: 609 734-9885

State Manifest ID Number
NY A754332 3

3. Generator's ID
ROCKY POINT

1. Transporter's Name and Mailing Address

NY 0980769241

2. Transporter's U.S. EPA ID Number
5A-278 (716) 677-5533

1. Transporter's Name and Mailing Address
JCA Chemical Services, Inc.
1135 Palmer Road
Model City, NY 14147

NY 0849835679

4. Facility's Phone
716-754-8231

5. US DOT Description, including Proper Shipping Name, Hazard Class and D Number

**20 Waste, Hazardous Substance, Solid, M.O.S., ORF-E,
EA 3183 (PCB), (PCP)**

12. Containers
No. Type Quantity Weight Waste ID

6 2 1 0 7 **B007**

6. Additional Descriptions for Materials Listed Above

Solid/Toxic

7. Handling Codes for Waste(s) Listed Above

8. Special Handling Instructions and Additional Information
**Corp. (St9) 987-8816 Work Order No.:
45131 Trans. Permit No.**

**Emergency Contact: J R Kelly, D.W. Materials
Profile No.: R 76521, P.O. No.: J 6321-**

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and hazard class, and are in all respects in proper condition for transport by highway according to applicable international and national regulations and state laws and regulations.

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

Printed Name **J R Kelly** Signature **J R Kelly** Mo. Day Year

1. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed Name Signature Mo. Day Year

2. Transporter 2 (Acknowledgement of Receipt of Materials)
Printed Name Signature Mo. Day Year

3. Discrepancy Indication Space

4. Generator's Certification of receipt of hazardous materials covered by this manifest except as noted in item 8

Printed Name Signature Mo. Day Year

NY A 754332 3



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 1027-0183

Please print or type

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1 Generator's US EPA No.
NYD902530222

Manifest
Document No.
NYD902530222

2 Page
1

Information on the manifest is not required by Federal law

A. State Manifest Document No.

NY A 784932 3

3 Generator's Name and Address

**General Electric Corp.
Attn: Mr. William C. Smith, One Independence Way, P.O. 2021
Princeton, NJ 08540**

4 Generator's Phone

609 734-9085

B. Generator's ID

Rocky Point

5 Transporter's Name and Address

Radco Environmental Group, Inc.

6 US EPA ID No.
NYD9080769947

C. State Transporter's ID

**78-718
(718) 677-4533**

D. Transporter's Phone

E. State Transporter's ID

465582

F. Transporter's Phone

7 Designated Facility Name and Site Address

**SCA Chemical Services, Inc.
1135 Balmer Road
Model City, NY 14107**

8 US EPA ID Number

NYD949836679

G. State Facility's ID

718-734-8231

11 US DOT Description, including Proper Shipping Name, Hazard Class and ID Number

**20 Waste, Hazardous Substance, Solid, H.O.S., CH-2,
in 5100 (PCN), (PCN)**

12 Containers

No.

Type

13 Total

Quantity

14 Unit

Wt/Vol

Waste No.

601DT

2057

J. Additional Descriptions for Materials Listed Above

Solid/Toxic

K. Handling Codes for Wastes Listed Above

15 Special Handling Instructions and Additional Information

**Chert, 609 907-5918 work order No. 1,
45181 Trans. Permit No.**

**Emergency Contacts: J E Kelly, O.E. Materials
Facility No. 1 R 76321, P.O. No. 1 J 6321-**

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

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

Printed/Typed Name

Signature

Mo. Day Year

17 Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

18 Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

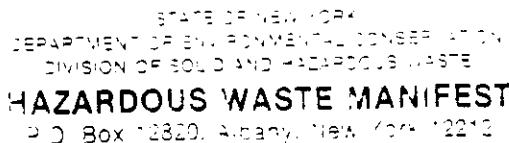
Mo. Day Year

In Case of Emergency or Spill Immediately Call the National Response Center (800) 424-8802 and the N.Y. Department of Environmental Conservation (518) 424-8802

FACILITY

FACILITY

NY A 784932 3



1. Generation: 1975

NYC 932536234

NY A 754333 2

2. Decorative 0

ROCKY POINT

11 4 3 9 9 9 7 5 9 9 4

0 1980 1000000 0 23-272

2 Transcon's Phone (716) 877-5533

1. *Chlorophyll a* (Chl *a*)

1.550727 3 500

3. State Facts:

الشيخ محمد بن عبد الله

4 Y D n 4 9 R 3 5 6 7 9

Facility's Phone

716-751-4251

12 Containers		13	14	
		Total	Unit	
No.	Type	Quantity	Wt/Vol	Waste No.

9	3	2	9	7	1	2	1	2	4	5	BE07

Solid/Toxic

K. Handling Codes for Wastes Listed Above

Emergency Contact: J R Kelly, O.M. Materials

Emergency Contact: J R Kelly, S. C. 76521, P.C. No.: J 6321-
 (098) 987-4918 work Order No.: 1, 1, 1, Profile No.: 76521, P.C. No.: J 6321-
 Trans. Permit No.

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

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

Mo. Day Year

Printed Name	Signature	Mo.	Day	Year

Transporter 1 (Acknowledgement of Receipt of Materials)

Printed Name

Signature _____

Mo. Day Yea

3. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name _____

Signature _____

Mo.	Day	Year
10	10	1964

3. Discrepancy Indication Space

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

Printed, Typed Name _____

Signature

Mo.	Day	Year

NYA 754333 2



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12220 Albany, New York 12212

Please print or type.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

Generator's Name and Mailing Address
NY D 9 8 2 5 3 8 2 2 4

Generator's Name and Mailing Address

General Electric Corp.
Attn: Mr. Maurice Cornelis, One Independence Way, P.O. 2023
Princeton, NJ 08540

Generator's Phone () **609 734-9895**

NY A 754333 2

ROCKY POINT

Generator's Company Name

Hazard Environmental Group, Inc.

NY D 9 9 4 7 6 9 9 4 7

22-278
(716) 277-3533

Generator's City

Designated Facility Name and Address

SCA Chemical Services, Inc.
1135 Balmer Road
Model City, NY 14107

NY D 4 9 8 3 6 6 7 8

716-754-8231

US DOT Description, including Proper Shipping Name, Hazard Class and ID Number

a. RC Waste, Hazardous Substance, Solid, N.O.S., ORM-2,
NA 9198 (PCR), (PCE)

8297

Additional Descriptions to Materials Listed Above

Solid/Toxic

X. Handling Codes for Materials

Special Handling Instructions and Additional Information

Corp. (609) 947-3518 Work Order No.: 45191 Trans. Permit No. _____

Emergency Contact: J M Kelly, O.H. Materials
Profile No.: H 76521, P.O. No.: J 6321-

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by their proper classification, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state, and local regulations and state laws and regulations.

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

Printed/Typed Name

Signature

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

18. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Discrepancy Indication Space

Facility Owner's Operation Certification of receipt of hazardous materials covered by this manifest and its contents

Printed/Typed Name

Signature

NY A 754333 2



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 1050-0039 Exp. 12-31-91

Please print or type.

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA No.

870902310222

Manifest
Document No.

5702221

2. Page 1
of 1Information in the shaded areas
is not required by Federal Law

3. Generator's Name and Mailing Address

General Electric Corp.
Attn: Mr. Maurice Charnalis, One Independence Way, P.O. 2023
Princeton, NJ 08540

4. Generator's Phone

609 734-3005

A. State Manifest Document No.

NY A754333 2

B. Generator's ID

ROCKY MOUNT

5. Transporter 1 Company Name

Husnet Environmental Group, Inc.

6. US EPA ID Number

870900769947

C. State Transporter's ID

30-278

D. Transporter's Phone

(718) 877-9533

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

PCA Chemical Services, Inc.
1135 Balmer Road
Model City, NY 14187

10. US EPA ID Number

870809036679

G. State Facility's ID

H. Facility's Phone

716-784-0311

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)

20 Waste, Hazardous Substances, Solid, H.O.S., CMR-I,
NA 5100 (rca), (rca)

12. Containers

No.

Type

13. Total

Quantity

14. Unit

Wt/Vol

15. Waste No.

00107 11/10/91 7 2007

16. Additional Descriptions for Materials Listed Above

Solid/Liquid

K. Handling Codes for Wastes Listed Above

a

☐

c

☐

b

☐

d

☐

17. Special Handling Instructions and Additional Information

Corp. (609) 907-0010 Work Order No.:
(518) Trans. Permit No.:Emergency Contact: J E Kelly, O.H. Materials
Corp., Profile No.: 870221, P.O. No.: J 6121-

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

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

Printed/Typed Name

Signature

Mo. Day Year

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

18. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year

NYA 754334 I



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Please print or type

Form Approved OMB No. 4302-0047-0100

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA No.

NY D 9 8 2 5 3 0 2 2 2

Manifest
Document No.

2. Page
of 1

3. Hazardous Waste Manifest is not required by Federal law

4. Generator's Name and Mailing Address

**General Electric Corp.
Attn: Mr. Maurice Cornelis, One Independence Way, P.O. 2822
Princeton, NJ 08540
609 734-9805**

5. State Manifest Document No.

NY A 754334 1

6. Generator's ID

ROCKY POINT

7. Shipper's Company Name

Hazard Environmental Group, Inc.

8. US EPA ID No.

NY D 9 8 0 7 6 9 9 4 7

9. State Transporter's ID

716-877-5533

10. Transporter's Phone

586-240 NY

11. State Facility's ID

716-754-4231

12. Designated Facility Name and Site Address

**SCA Chemical Services, Inc.
1135 Balmer Road
Model City, NY 14187**

13. US EPA ID Number

NY D 9 4 9 8 3 6 6 7 9

14. Facility's Phone

716-754-4231

15. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)

16. Containers

17. Total

18. Unit

19. Waste No.

No. Type

Quantity

Wt/Vol

Waste No.

**HAZARDOUS SUBSTANCE, SOLID, N.O.S., ORM-E,
NA 3198 (PCB), (PCM)**

0 9 1 D T

2507

20. Additional Descriptions for Materials Listed Above

Solid/Toxic

21. Handling Codes for Wastes Listed Above

22. Special Handling Instructions and Additional Information

**Emergency Contact: J R Kelly, C.H. Materials
Corp. (609) 987-4018 Work Order No.:
45181 Trans. Permit No.**

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

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

Printed/Typed Name

Signature

Mo. Day Year

23. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

24. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

25. Discrepancy Indication Space

26. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name

Signature

Mo. Day Year

NYA 754334 1



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039 Expires 1-1-92

Please print or type.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA No.

NY D 9 8 2 5 3 0 2 2 2

Manifest
Document No.2. Page 1
of 1Information in the shaded areas
is not required by Federal Law

3. Generator's Name and Mailing Address

General Electric Corp.
Attn: Mr. William C. Melia, One Independence Way, P.O. 1023
Princeton, NJ 08540

4. Generator's Phone ()

609 734-7463

A. State Manifest Document No.

NY A 754334 1

B. Generator's ID

ROCKY POINT

5. Transporter 1 Company Name

Wesnet Environmental Group, Inc.

6. US EPA ID Number

NY D 9 8 6 7 6 9 9 4 7

C. State Transporter's ID

D. Transporter's Phone ()

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ()

9. Designated Facility Name and Site Address

SCS Chemical Services, Inc.
1135 Balmer Road
Madison City, UT 84107

10. US EPA ID Number

NY D 6 4 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone

725-734-4231

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

20 Waste, Hazardous Substance, Solid, H.O.S., CSM-8,
NA 9106 (PCN), (PCN)

12. Containers

No. Type

13. Total

Quantity

14. Unit

Wt/Vol

15. Waste No.

0 9 1 D T

2007

J. Additional Descriptions for Materials listed Above

Solid/liquid

K. Handling Codes for Wastes Listed Above

a

c

b

d

15. Special Handling Instructions and Additional Information

Emergency Contact: J R Kelly, G.N. Materials
Corp. (609) 907-8012 Work Order No.:
43101 Trans. Permit No.:
Profile No.: E 76521, P.O. No.: J 6321-

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

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

Printed/Typed Name

Signature

Mo. Day Year

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name

Signature

Mo. Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

Signature

Mo. Day Year

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (516) 457-3362

HazMat



12424

DATE
11 / 22 / 88

ENVIRONMENTAL GROUP INC.
P.O. BOX 878, Buffalo, N.Y. 14217

(716) 877-5533

NYDEC# 9A-278
EPA ID# NYD00700047

PICK UP		DELIVERY	
NAME General Electric	NAME SCA		
STREET	STREET 1550 Palmer Road		
CITY Rocky Point (Long Island) NY	CITY Model City, NY	STATE	ZIP CODE
CONTACT NAME Sid Archinal /Jr Kelly 609-987-0010	CONTACT NAME		
SCHEDULED TIME Noon	SCHEDULED TIME		
ADDITIONAL INFORMATION dump PCB soil debris NY manifest		ADDITIONAL INFORMATION Pursuant to 6NYCRR 372.2	
		(b) (ii), HazMat certifies that	
		it is authorized to deliver this	
		shipment of manifested waste	
		to the TDDT listed on this	
		Bill of Lading	
PURCHASE ORDER NO J6321-45420	WORK ORDER NUMBER 139-982	MANIFEST NUMBER NYA754332 3	H.M. NUMBER 13672
LOAD NUMBER	TRACTOR NUMBER 124	TRAILER NUMBER D-2	DRIVER'S NAME KITLF (Sinker)

TYPE (CIRCLE ONE)	MATERIAL DESCRIPTION	QUANTITY
TANK (S/S) (R/L) VAC ☒ DUMP VAN ROLL-OFF FLATBED	PC WASTE HAZARDOUS SOLID WAS ORME NA9188 POLYCHLORINATED BIPHENYLS	16405.

PICK UP	DELIVERY
ARRIVAL TIME <u>7:00</u> ^{AM} _{PM} RELEASE TIME _____ ^{AM} _{PM}	DRIVER _____ DATE _____ ^{AM} _{PM}
TRAILER EMPTY UPON ARRIVAL ☒ YES ☐ NO (If not, explain below)	ARRIVAL TIME _____ ^{AM} _{PM} RELEASE TIME _____ ^{AM} _{PM}
DIP MEASUREMENT (TANK) _____ INCHES	TRAILER EMPTY UPON DEPARTURE ☐ YES ☐ NO (If not, explain below)
COMMENTS: (EXPLAIN) _____ _____	COMMENTS: (EXPLAIN ALL DELAYS) _____ _____
I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.	I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.
☒ SHIPPER'S SIGNATURE	☒ CONSIGNEE'S SIGNATURE

HAZMAT

ENVIRONMENTAL GROUP INC.
P.O. BOX 878, Buffalo, N.Y. 14217

(716) 877-5533

NYDEC# 9A-278
EPA ID# NYD980700047

12426

DATE
11 / 22 / 88

PICK UP		DELIVERY	
NAME General Electric	NAME SCA		
STREET	STREET 1550 Balmer Road		
CITY Rocky Point (Long Island) NY	CITY Model City, NY	STATE	ZIP CODE
CONTACT NAME Sid Archinal / Jr Kelly 609-987-0010	CONTACT NAME		
SCHEDULED TIME Noon	SCHEDULED TIME		
ADDITIONAL INFORMATION dump PCB soil debris NY manifest		ADDITIONAL INFORMATION Remnant to ONYORA 372.2 (b) (3), HazMat certifies that it is authorized to deliver this shipment of manifested waste to the TSDF listed on this Bill of Lading	
PURCHASE ORDER NO. J6321-45420	WORK ORDER NUMBER 139-983	MANIFEST NUMBER NYA-7543332	H.M. NUMBER 13673
LOAD NUMBER	TRACTOR NUMBER	TRAILER NUMBER D-8	DRIVER'S NAME PLATT

TYPE (CIRCLE ONE)	MATERIAL DESCRIPTION	QUANTITY
TANK (S/S) (R/L) VAC DUMP VAN ROLL-OFF FLATBED	R-Q-WASTE HAZARDOUS SUBSTANCE NOS ORME NA-988 PCB	16-Y

PICK UP	DELIVERY
ARRIVAL TIME 9:30 AM RELEASE TIME 12:30 PM	DRIVER _____ DATE _____ ARRIVAL TIME _____ AM RELEASE TIME _____ PM
TRAILER EMPTY UPON ARRIVAL ☐ YES ☐ NO (If not, explain below)	TRAILER EMPTY UPON DEPARTURE ☐ YES ☐ NO (If not, explain below)
DIP MEASUREMENT (Tankers Only) _____ INCHES	COMMENTS (EXPLAIN ALL DELAYS) _____
COMMENTS (EXPLAIN ALL DELAYS) _____ _____	_____
I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.	
X _____ SHIPPER'S SIGNATURE	X _____ CONSIGNEE'S SIGNATURE

HazMat



12429

DATE

11 / 22 / 88

ENVIRONMENTAL GROUP, INC.
O. BOX 876, Buffalo, N.Y. 14217

(716) 877-5533

NYDEC# BA-278
EPA ID# NY080700047

PICK UP		DELIVERY	
NAME General Electric	CITY Rocky Point (Long Island) NY	NAME SCA	CITY Model City, NY
STREET	STATE NY	STREET 1550 Balmer Road	STATE NY
CITY Rocky Point (Long Island) NY	ZIP CODE	CITY Model City, NY	ZIP CODE
CONTACT NAME Sid Archinal /Jr Kelly 609-987-0010		CONTACT NAME	
SCHEDULED TIME Noon		SCHEDULED TIME	
ADDITIONAL INFORMATION Dump PCB soil debris NY manifest		ADDITIONAL INFORMATION Manifest to CNYDOR 872-2 (b) (ii), HazMat certifies that it is authorized to deliver this shipment of manifested waste to the TSDI listed on this Bill of Lading	
*see directions			

PURCHASE ORDER NO 6321-45420	WORK ORDER NUMBER 139-984	MANIFEST NUMBER NYA 7543341	H.M. NUMBER 13674
LOAD NUMBER	TRACTOR NUMBER 19	TRAILER NUMBER D-7	DRIVER'S NAME P. J. ...

TYPE (CIRCLE ONE)	MATERIAL DESCRIPTION	QUANTITY
☐ TANK (S/S) (R/L) ☒ VAC ☒ DUMP ☐ VAN ☐ ROLL-OFF ☐ FLATBED	WASTE HAZARDOUS SOLID 1103 ORME AM 9188 Polychlorinated Biphenyls	16 YARDS

PICK UP	DELIVERY
ARRIVAL TIME 7:00	DATE _____
RELEASE TIME _____	RELEASE TIME _____
TRAILER EMPTY UPON ARRIVAL (If not, explain below)	TRAILER EMPTY UPON DEPARTURE ☐ YES ☐ NO
DIP MEASUREMENT (Tankers Only)	
COMMENTS (EXPLAIN)	COMMENTS (EXPLAIN)
5-11-88 - 1-1-89	
1-1-89 - 1-1-89	
I, THE UNDERSIGNED, CERTIFY THAT THE INFORMATION IS TRUE AND COMPLETE.	
☒ SHIPPER'S SIGNATURE	☐ CONSIGNEE'S SIGNATURE

HAZMAT

ENVIRONMENTAL GROUP INC.
P.O. BOX 676, Buffalo, N.Y. 14217

(716) 877-5533

NYDEC# BA-278
EPA ID# NYD980788947

12537

DATE

11 / 28 / 88

7543215

PICK UP

DELIVERY

NAME

General Electric

STREET

CITY

Rocky Point (Long Island) NY

STATE

ZIP CODE

CONTACT NAME

Sid Archinal / Jr Kelly 609-987-0010

SCHEDULED TIME

Noon

ADDITIONAL INFORMATION

dump PCB soil debris NY manifest

*see directions

NAME

SCA

STREET

1550 Balmer Road

CITY

Model City, NY

STATE

ZIP CODE

CONTACT NAME

SCHEDULED TIME

ADDITIONAL INFORMATION

Forward to ENVIRONMENTAL GROUP INC.
(b) (ii), HazMat certifies that
it is authorized to deliver this
shipment of monitored waste
to the site.

PURCHASE ORDER NO
J6321-45420

WORK ORDER NUMBER

MANIFEST NUMBER

H.M. NUMBER

13710

LOAD NUMBER

TRACTOR NUMBER

70

TRAILER NUMBER

11-1

DRIVER'S NAME

PLATT

TYPE (CIRCLE ONE)

MATERIAL DESCRIPTION

QUANTITY

TANK (S/S) (R/L)

VAC

DUMP

VAN

ROLL-OFF

FLATBED

PICK UP

DELIVERY

ARRIVAL TIME 7:00 AM

RELEASE TIME 12:15 PM

DRIVER

DATE

ARRIVAL TIME

AM

PM

RELEASE TIME

AM

PM

TRAILER EMPTY UPON ARRIVAL
(If not, explain below)

YES



NO

TRAILER EMPTY UPON DEPARTURE
(If not, explain below)

YES



NO

DIP MEASUREMENT (Tanker Only) 4 INCHES

COMMENTS: (EXPLAIN ALL DELAYS)

COMMENTS: (EXPLAIN ALL DELAYS)

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

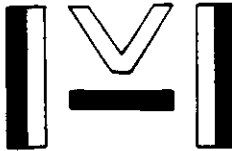
X

SHIPPER'S SIGNATURE

X

CONSIGNEE'S SIGNATURE

HazMat



754324-2

12538

DATE 11 / 20 / 88

ENVIRONMENTAL GROUP INC.
P.O. BOX 676, Buffalo, N.Y. 14217 (716) 877-5533

NYDEC# 8A-278
EPA ID# NYD080700047

PICK UP		DELIVERY	
NAME	General Electric	NAME	SCA
STREET		STREET	1550 Balmer Road
CITY	Rocky Point (Long Island) NY	CITY	Model City, NY
STATE	NY	STATE	NY
ZIP CODE		ZIP CODE	
CONTACT NAME	Sid Archinal /Jr Kelly 609-987-0010	CONTACT NAME	
SCHEDULED TIME	7:00am - 9:00am	SCHEDULED TIME	

ADDITIONAL INFORMATION	ADDITIONAL INFORMATION
dump PCB soil debris NY manifest	
	Pursuant to 6NYCRR 372.2
	(b) (ii), HazMat certifies that
	it is authorized to deliver this
	shipment of manifested waste
	to the TSD listed on this
	Bill of Lading

PURCHASE ORDER NO J6321-45420	WORK ORDER NUMBER	MANIFEST NUMBER	
LOAD NUMBER	TRACTOR NUMBER 31	TRAILER NUMBER D-7	DRIVER'S NAME Mycis

TYPE (CIRCLE ONE)	MATERIAL DESCRIPTION	QUANTITY
☐ TANK (S/S) (R/L) ☐ VAC ☒ DUMP ☐ VAN ☐ ROLL-OFF ☐ FLATBED	RO, WASTE HAZARDOUS SUBSTANCE SOLID, N.O.S., ORK-E, # 9108 (PCB's)	31,000 P.

PICK UP	DELIVERY
ARRIVAL TIME 11:30	ARRIVAL TIME
TRAILER EMPTY UPON ARRIVAL (if not, explain below)	TRAILER EMPTY UPON DEPARTURE ☐ YES ☐ NO
DIP MEASUREMENT (Tons)	COMMENTS (EXPLAIN ALL DELAYS)
COMMENTS (EXPLAIN ALL DELAYS)	
I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE. X <i>[Signature]</i> DRIVER'S SIGNATURE	I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE. <i>[Signature]</i> CONSIGNEE'S SIGNATURE

HAZMAT

ENVIRONMENTAL GROUP, INC.
P.O. BOX 876, Buffalo, N.Y. 14217

(716) 877-5533

NYDEC# 9A-276
EPA ID# NYD00700047754322-4 12539
DATE 11 / 26 / 88

PICK UP

DELIVERY

NAME General Electric
STREET
CITY Rocky Point (Long Island) NY STATE ZIP CODE
CONTACT NAME Sid Archinal /Jr Kelly 609-987-0010
SCHEDULED TIME 8:00

NAME SCA
STREET 1550 Balmer Road
CITY Model City, NY STATE ZIP CODE
CONTACT NAME
SCHEDULED TIME

ADDITIONAL INFORMATION
dump PCB soil debris NY manifest

*see directions

Pursuant to SHYGRN 572.2
(b) (ii). HazMat certifies that
it is authorized to deliver this
shipment of manifested waste
to the TSDF listed on this
Bill of Lading

PURCHASE ORDER NO

J6321-45420

WORK ORDER NUMBER

MANIFEST NUMBER

H.M. NUMBER

13712

LOAD NUMBER

TRACTOR NUMBER 11

TRAILER NUMBER D-3

DRIVER'S NAME

Hadley

TYPE (CIRCLE ONE)

MATERIAL DESCRIPTION

QUANTITY

TANK (S/S) (R/L)

VAC

☒ DUMP

VAN

ROLL-OFF

FLATBED

PCB soil debris
Polyethylene bags

PICK UP

DELIVERY

ARRIVAL TIME 1:00

TRAILER EMPTY UPON ARRIVAL
(If not, explain below)

DIP MEASUREMENT

COMMENTS: (EXPLAIN)

To be taken

K-Tube

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

X SHIPPER'S SIGNATURE

DATE

ARRIVAL TIME RELEASE TIME

YES NO

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

CONSIGNEE'S SIGNATURE

(716) 877-5533

NYDEC# 9A-278
EPA ID# NYD00700047

2875-4323-312540
DATE

DATE _____

11 / 20 / 88

PICK UP		DELIVERY	
NAME General Electric STREET CITY Rocky Point (Long Island) NY STATE ZIP CODE CONTACT NAME Sid Archinal /Jr Kelly 609-987-0010 SCHEDULED TIME 8:00 ADDITIONAL INFORMATION dump PCB soil debris NY manifest *see directions	NAME SCA STREET 1550 Balmer Road CITY Model City, NY STATE ZIP CODE CONTACT NAME SCHEDULED TIME ADDITIONAL INFORMATION Pursuant to 6NYCRR 372.2 (b) (1), HazMat certifies that it is authorized to deliver this shipment of manifested waste to the TSDf listed on this Bill of Lading		
PURCHASE ORDER NO J6321-45420	WORK ORDER NUMBER 	MANIFEST NUMBER 14A7547233	H.M. NUMBER 13713
LOAD NUMBER 	TRACTOR NUMBER 10	TRAILER NUMBER 11-7	DRIVER'S NAME Rook
TYPE (CIRCLE ONE) TANK (S/S) (R/L) VAC DUMP VAN ROLL-OFF FLATBED	MATERIAL DESCRIPTION PCB - 224A42		QUANTITY 22 15/5
PICK UP ARRIVAL TIME 8:00 DATE 			
TRAILER EMPTY UPON ARRIVAL (If not, explain below) DATE 			
DIP MEASUREMENT (Tanks only)			
COMMENTS: (EXPLAIN BELOW)			
I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE. DATE 			
SHIPPER'S SIGNATURE DATE 			

HAZMAT

ENVIRONMENTAL GROUP, INC.
P.O. Box 178, Buffalo, N.Y. 14217

(716) 877-5533

NYDEC# BA-278
EPA ID# NYD0607000477543206 DATE 12541
11 / 20 / 88

PICK UP

DELIVERY

NAME General Electric	NAME SCA
STREET	STREET 1550 Balmer Road
CITY STATE ZIP CODE Rocky Point (Long Island) NY	CITY STATE ZIP CODE Model City, NY
CONTACT NAME Sid Archinal /Jr Kelly 609-987-0010	CONTACT NAME
SCHEDULED TIME 8:00	SCHEDULED TIME

ADDITIONAL INFORMATION

dump PCB soil debris NY manifest***see directions**

ADDITIONAL INFORMATION

**Pursuant to 6NYCRR 372.2
(b) (ii), HazMat certifies that
it is authorized to deliver this
shipment of manifested waste
to the TSDF listed on this
Bill of Lading**

PURCHASE ORDER NO J6321-45420	WORK ORDER NUMBER	MANIFEST NUMBER	H.M. NUMBER 13714
LOAD NUMBER	TRACTOR NUMBER 173	TRAILER NUMBER D-8	DRIVER'S NAME White

TYPE (CIRCLE ONE)	MATERIAL DESCRIPTION	QUANTITY
TANK (S/S) (R/L) VAC DUMP VAN ROLL-OFF FLATBED	PCB soil debris	21705

PICK UP

ARRIVAL TIME _____ PM	RELEASE TIME _____ PM
TRAILER EMPTY UPON ARRIVAL (If not, explain below)	TRAILER EMPTY UPON RELEASE ☒ YES ☐ NO
DIP MEASUREMENT (Tankers Only)	
COMMENTS: (EXPLAIN)	
I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.	
SHIPPER'S SIGNATURE [Signature]	CONSIGNEE'S SIGNATURE [Signature]

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505

PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11796

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME	ADDRESS	PICK-UP DATE
General Electric Corporation	Rocky Point, NY	11/28/88 SAA
NAME OR DESCRIPTION OF WASTE SHIPPED		WASTE NO.
Oil Contaminated Soil		A-0911-3
QUANTITY SHIPPED / CONTAINERS		PQ. NO.
		J6321-45415
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME	PHONE NO.	24 HR. EMERGENCY NO.
	JR Kelly, OH Materials Corp	609-987-0010	609-987-0010
I Hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.		SIGNATURE	DATE
		W. H. Kelly GE	11/23/88

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Wills Trucking, Inc.	3185 Columbia Rd, Richfield, OH 44286	800-624-4366
VEHICLE I.D. NO.	STATE	QUANTITY
		25 YARDS
COMMENTS		PICK-UP DATE
		11/28/88
		OFF LOAD DATE
I Hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.		SIGNATURE (DRIVER)
		RG Rudolph
		SIGNATURE (RELAY DRIVERS)

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME	ADDRESS	PHONE NO.
Mahoning Landfill	3510 Farfield Rd. New Springfield, OH	216-549-5357
RECEIVER'S PERMIT NO.	QUANTITY	COMMENTS
I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.		AUTHORIZED SIGNATURE
		CELL NO.
		DATE

GENERATOR Copies 1 & 7
RECEIVER Copy 4

AMERICAN WASTE SERVICES, INC. Copies 2 & 3
DEP / EPA Copy 5 HAULER Copy 6

GENERATOR - COPY 1

Oil
Soil
11/28
Truckle

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505

PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11796

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME General Electric Corporation	ADDRESS Rocky Point, NY	PICK-UP DATE 11/22/88
NAME OR DESCRIPTION OF WASTE SHIPPED Oil Contaminated Soil		WASTE NO. A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO. J6321-45415

SPECIAL HANDLING INSTRUCTIONS / COMMENTS

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME JR Kelly, GM Materials Corp	PHONE NO. 609-987-0010	24 HR. EMERGENCY NO. 609-987-0010

I Herby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

SIGNATURE

DATE

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME Wills Trucking, Inc.	ADDRESS 3163 Columbia Rd, Richfield, OH 44286	PHONE NO. 800-424-4366	
VEHICLE I.D. NO.	STATE	QUANTITY	PICK-UP DATE 11/22/88
COMMENTS			OFF LOAD DATE

I Herby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.

SIGNATURE (DRIVER)

DATE

SIGNATURE (RELAY DRIVERS)

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME Mahoning Landfill	ADDRESS 1310 Fairfield Rd, New Springfield, OH	PHONE NO. 216-349-3357
RECEIVER'S PERMIT NO.	QUANTITY	COMMENTS

I Herby certify that the above described wastes were delivered to this Facility, and that the Facility is authorized and permitted to accept and dispose of these wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

GENERATOR Copies 1 & 7
RECEIVER Copy 4

AMERICAN WASTE SERVICES, INC. Copies 2 & 3
MAHONING Copy 6

GENERATOR - COPY 7

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505 PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST DOCUMENT NO. **11799**

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME General Electric Corp.	ADDRESS Rocky Point, NY	PICK-UP DATE 11/22/88 <i>still</i>
NAME OR DESCRIPTION OF WASTE SHIPPED Oil Contaminated Water		WASTE NO. A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO. J6321-45415

SPECIAL HANDLING INSTRUCTIONS / COMMENTS

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME JR Kelly OH Materials Corp	PHONE NO. 609-987-0010	24 HR. EMERGENCY NO. 609-987-0010
I Hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.		SIGNATURE <i>JR Kelly</i> GE	DATE 11/23/88

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME Wills Trucking Corp	ADDRESS 3185 Columbia RD, Richfield, OH 44286		PHONE NO. 800-624-4366
VEHICLE I.D. NO.	STATE	QUANTITY X (THREE) 20 Yards	PICK-UP DATE 11/22/88 <i>SAH</i>
COMMENTS			OFF LOAD DATE
I Hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.		SIGNATURE (DRIVER) <i>K. M. ...</i>	DATE
		SIGNATURE (RELAY DRIVERS)	DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME Mahoning Landfill	ADDRESS 3510 Fairfield Rd, New Springfield OH		PHONE NO. 216-549-5357
RECEIVER'S PERMIT NO. 8:10	QUANTITY	COMMENTS	
I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.		AUTHORIZED SIGNATURE	CELL NO. DATE

GENERATOR Copies 1 & 7
RECEIVER Copy 4

AMERICAN WASTE SERVICES, INC. Copies 2 & 3
DER-EPA: Copy 5 HAULER: Copy 6

Keep

GENERATOR - COPY 1

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8
3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505 PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11799

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME General Electric Corp.	ADDRESS Rocky Point, NY	PICK-UP DATE 11/22/88
NAME OR DESCRIPTION OF WASTE SHIPPED Oil Contaminated Water		WASTE NO. A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO. J6321-43413
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME JR Kelly Oil Materials Corp	PHONE NO. 609-987-0010	24 HR. EMERGENCY NO. 609-987-0010
I Hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.		SIGNATURE	DATE

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME Hills Trucking Corp	ADDRESS 3185 Columbia RD, Richfield, OH 44286		PHONE NO. 800-621-4366
VEHICLE I.D. NO.	STATE	QUANTITY	PICK-UP DATE 11/22/88
COMMENTS			OFF LOAD DATE
I Hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.		SIGNATURE (DRIVER) DL	DATE
		SIGNATURE (RELAY DRIVERS)	DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME Mohand Landfill	ADDRESS 3510 Fairfield Rd, New Springfield OH		PHONE NO. 216-340-5357
RECEIVER'S PERMIT NO. 8110	QUANTITY	COMMENTS	
I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.		AUTHORIZED SIGNATURE	CELL NO.
			DATE
GENERATOR: Copies 1 & 2 RECEIVER: Copy 4		Copies 2 & 3 Copy 6	

GENERATOR: COPY 7

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505 PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11797

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME	ADDRESS	PICK-UP DATE
General Electric Corporation	Rocky Pt., NY	11/20/88
NAME OR DESCRIPTION OF WASTE SHIPPED		WASTE NO.
Oil Contaminated Soil		A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO.
		36321-45415

SPECIAL HANDLING INSTRUCTIONS / COMMENTS

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME	PHONE NO.	24 HR. EMERGENCY NO.
	JR Kelly, OH Materials Corp	609-987-0010	609-987-0010
I Hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.		SIGNATURE	DATE
		<i>W. H. Kelly</i> GE	11/23/88

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Wills trucking Corp	3185 Columbia Rd, Richfield, OH 44286	800-624-4366
VEHICLE ID. NO.	STATE	QUANTITY
AH57343	PA.	25 YARDS
COMMENTS		PICK-UP DATE
		11/20/88
		OFF LOAD DATE
I Hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.		SIGNATURE (DRIVER)
		<i>Clark Boyfoot</i>
		SIGNATURE (RELAY DRIVERS)
		DATE
		11-28

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME	ADDRESS	PHONE NO.
Mahoning Wills-Trucking Landfill	3510 Fairfield Rd., New Springfield, OH	216-549-5357
RECEIVER'S PERMIT NO.	QUANTITY	COMMENTS
8:10		
I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.		AUTHORIZED SIGNATURE
		CELL NO.
		DATE

GENERATOR Copies 1 & 7
RECEIVER Copy 4
AMERICAN WASTE SERVICES, INC. Copies 2 & 3
DEVELOPER Copy 5
HAULER Copy 6

GENERATOR - COPY 1

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505 PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST DOCUMENT NO. **11797**

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME	ADDRESS	PICK-UP DATE
General Electric Corporation	Rocky Pt., NY	11/22/08
NAME OR DESCRIPTION OF WASTE SHIPPED		WASTE NO.
Oil Contaminated Soil		A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO.
		16321-45415

SPECIAL HANDLING INSTRUCTIONS / COMMENTS

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME	PHONE NO.	24 HR. EMERGENCY NO.
	JR Kelly, GE Materials Corp	609-987-0010	609-987-0010

I hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

SIGNATURE

DATE

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.	
Wills trucking Corp	3125 Columbia Rd, Richfield, OH 44286	800-674-4302	
VEHICLE I.D. NO.	STATE	QUANTITY	
COMMENTS			PICK-UP DATE
			11/22/08
			OFF LOAD DATE

I hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.

SIGNATURE (DRIVER)

DATE

SIGNATURE (RELAY DRIVERS)

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME	ADDRESS	PHONE NO.
Wills-Trucking Company	3000 Fairfield Rd., New Springfield, OH	214-540-5357
RECEIVER'S PERMIT NO.	QUANTITY	COMMENTS
8:10		

I hereby certify that the above described wastes were delivered to this Facility and that the Facility is authorized and permitted to accept and dispose of the wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

GENERATOR: Copies 1 & 7
RECEIVER: Copy 4

RECEIVER: Copies 2 & 3
Copy 6

GENERATOR - COPY 7

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8
3530 BEECHMONT AVE., YOUNGSTOWN, OHIO 44505 PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11758

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME	ADDRESS	PICK-UP DATE
General Electric Corp.	Rocky Point N.Y.	11/22/88
NAME OR DESCRIPTION OF WASTE SHIPPED		WASTE NO.
Oil Contaminated Soil		A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO.
16 cubic yards		J6321-40415
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

Gross Wt.	Tare Wt.		
IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME	PHONE NO.	24 HR. EMERGENCY NO.
	JR Kelly, OH Materials	609 987-0010	609 987-0010
I hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.		SIGNATURE	DATE
		William P. Kelly	11/22/88

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Wills Trucking, Inc.	385 Columbia Rd., Richfield, OH 44286	800-624-4366
VEHICLE I.D. NO.	STATE	QUANTITY
1714		Above
COMMENTS		
Telc 1714A		
I hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.		SIGNATURE (DRIVER)
		Signature of C. Kelly
		SIGNATURE (RELAY DRIVERS)
		DATE
		11-22-88

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME	ADDRESS	PHONE NO.
Mahoning	510 Garfield Rd NewSpringfield, OH	216 549-5355
RECEIVER'S PERMIT NO.	COMMENTS	
810		
I hereby certify that the above described wastes were delivered to this facility and that the facility is authorized and permitted to accept such wastes.		AUTHORIZED SIGNATURE
		CELL NO.
		DATE

GENERATOR: Copies 1 & 7
RECEIVER: Copy 4

AMERICAN WASTE SERVICES, INC.: Copies 2 & 3
DER / EPA: Copy 5 HAULER: Copy 6

AMERICAN WASTE SERVICES, INC. - COPY 2

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505 PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11758

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME	ADDRESS	PICK-UP DATE
NAME OR DESCRIPTION OF WASTE SHIPPED		WASTE NO.
QUANTITY SHIPPED / CONTAINERS		PO. NO.
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME	PHONE NO.	24 HR. EMERGENCY NO.

I Hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

SIGNATURE

DATE

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS		PHONE NO.
VEHICLE I.D. NO.	STATE	QUANTITY	PICK-UP DATE
COMMENTS			OFF LOAD DATE

I Hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.

SIGNATURE (DRIVER)

DATE

SIGNATURE (RELAY DRIVERS)

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME	ADDRESS	PHONE NO.	
RECEIVER'S PERMIT NO.	QUANTITY	COMMENTS	
AUTHORIZED SIGNATURE		CELL NO.	DATE

I Hereby certify that the above described wastes were delivered to this facility and that the facility is authorized and permitted to accept and dispose of the above described wastes.

GENERATOR: Copies 1 & 2
RECEIVER: Copy 4

Copies 2 & 3
Copy 6

GENERATOR - COPY 7

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BEAUMONT AVE., YOUNGSTOWN, OHIO 44505

PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11759

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME General Electric Corp.	ADDRESS Rocky Point, New York	PICK-UP DATE 11/22/88
NAME OR DESCRIPTION OF WASTE SHIPPED Oil Contaminated Soil		WASTE NO. A-0911-3
QUANTITY SHIPPED / CONTAINERS 16 cubic yards		P.O. NO. J6321-45415
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

GROSS WEIGHT:

TARE WEIGHT:

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME J.R. Kelly, O.H. Materials Corp.	PHONE NO. (609) 987-0010	24 HR. EMERGENCY NO. (609) 987-0010

I Hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

SIGNATURE

William P. Kelly

DATE

11/22/88

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME Wills Trucking, Inc.	ADDRESS 3185 Columbia Rd., Richfield, OH 44286	PHONE NO. (800) 624-4366
VEHICLE I.D. NO. 4238	STATE OH	QUANTITY Above
COMMENTS Tel 4238A		PICK-UP DATE 11/22/88
I Hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.		OFF LOAD DATE
SIGNATURE (DRIVER) <i>John P. Parnick</i>		DATE <i>11-22-88</i>
SIGNATURE (RELAY DRIVERS)		DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME Mahoning County	ADDRESS 100 Fairfield Rd., New Springfield, OH	PHONE NO. (216) 549-5357
RECEIVER'S PERMIT NO. 8:10	COMMENTS	
AUTHORIZED SIGNATURE		CELL NO.
I Hereby certify that the above described wastes were delivered to this facility and are authorized and permitted for disposal.		DATE

GENERATOR: Copies 1 & 7
RECEIVER: Copy 4

AMERICAN WASTE SERVICES, INC.: Copies 2 & 3
DER / EPA: Copy 5 HAULER: Copy 6

AMERICAN WASTE SERVICES, INC. - COPY 2

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505

PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11759

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME General Electric Corp.	ADDRESS Rocky Point, New York	PICK-UP DATE 11/22/88
NAME OR DESCRIPTION OF WASTE SHIPPED Oil Contaminated Soil		WASTE NO. A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO. J6321-45415
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

GROSS WEIGHT:

TARE WEIGHT:

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME J.R. Kelly, O.E. Materials Corp.	PHONE NO. (609) 967-0010	24 HR. EMERGENCY NO. (609) 967-0010

I Herby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

SIGNATURE

DATE

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME Willis Trucking, Inc.	ADDRESS 3185 Columbia Rd., Richfield, OH 44286	PHONE NO. (800) 624-4366	
VEHICLE I.D. NO.	STATE	QUANTITY Above	PICK-UP DATE 11/22/88
COMMENTS			OFF LOAD DATE
I Herby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.			DATE
			DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME Mahoning Landfill	ADDRESS 3310 Fairfield Rd., New Springfield, OH	PHONE NO. (216) 549-3357		
RECEIVER'S PERMIT NO. 8:10	QUANTITY	COMMENTS		
I Herby certify that the above described wastes were delivered to this Facility and that the Facility is authorized and permitted to accept such wastes.		AUTHORIZED SIGNATURE	CELL NO.	DATE

GENERATOR: Copies 1 & 2
RECEIVER: Copy 4

HAULER: Copies 2 & 3
HAULER: Copy 6

GENERATOR - COPY 7

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8
3586 W. STATE AVE., YOUNGSTOWN, OHIO 44505 PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST DOCUMENT NO. 11760

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME	ADDRESS	PICK-UP DATE
General Electric Corp.	Rocky Point, New York	11/22/88
NAME OR DESCRIPTION OF WASTE SHIPPED		WASTE NO.
Oil Contaminated Soil		A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO.
16 cubic yards		J6321-45415
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

GROSS WEIGHT:

TARE WEIGHT:

IN CASE OF AN EMERGENCY OR SPILL CONTACT	NAME	PHONE NO.	24 HOURS
	J.R. Kelly, O.H. Materials Corp.	(609) 987-0010	(609) 987-0010

I hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

SIGNATURE

William P. Wright

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Wills Trucking, Inc.	3185 Columbia Rd., Richfield, OH 44286	(800) 624-4366
VEHICLE I.D. NO.	STATE	QUANTITY
24		Above
COMMENTS		PICK-UP DATE
Telc 406		11/22/88
		OFF LOAD DATE
I hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.	SIGNATURE (DRIVER)	DATE
	<i>Bill Leamer</i>	11-22-88
	SIGNATURE (RELAY DRIVERS)	DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME	ADDRESS	PHONE NO.
Mahoning	Farfield Rd., New Springfield, OH	(216) 549-5357
RECEIVER'S PERMIT NO.	COMMENTS	
8:10		
I hereby certify that the above described wastes were delivered to this site and that the site is authorized and permitted to receive such wastes.	AUTHORIZED SIGNATURE	CELL NO. DATE

GENERATOR: Copies 1 & 7
RECEIVER: Copy 4

AMERICAN WASTE SERVICES, INC.: Copies 2 & 3
DER / EPA: Copy 5 HAULER: Copy 6

AMERICAN WASTE SERVICES, INC. - COPY 2

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505

PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11760

THIS SECTION TO BE COMPLETED BY GENERATOR

COMPANY NAME General Electric Corp.	ADDRESS Rocky Point, New York	PICK-UP DATE 11/22/88
NAME OR DESCRIPTION OF WASTE SHIPPED Oil Contaminated Soil		WASTE NO. A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO. J6321-45415
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

GROSS WEIGHT:

TARE WEIGHT:

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME J.R. Kelly, C.E. Materials Corp.	PHONE NO. (609) 987-0010	24 HR. EMERGENCY NO. (609) 987-0010

I Herby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

SIGNATURE

DATE

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME Willis Trucking, Inc.	ADDRESS 3185 Columbia Rd., Richfield, OH 44286	PHONE NO. (216) 885-0346	
VEHICLE I.D. NO.	STATE	QUANTITY Above	PICKUP DATE 11/22/88
COMMENTS			OFF LOAD DATE
I Herby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.			DATE
SIGNATURE (DRIVER)			DATE
SIGNATURE (RELAY DRIVERS)			DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME Receiving Landfill	ADDRESS 2810 Fairfield Rd., New Springfield, OH	PHONE NO. (216) 340-3357		
RECEIVER'S PERMIT NO. 8:10	QUANTITY	COMMENTS		
I Herby certify that the above described wastes were delivered to this Facility and that the Facility is authorized and permitted to accept such wastes.		AUTHORIZED SIGNATURE	CELL NO.	DATE

GENERATOR: Copies 1 & 2
RECEIVER: Copy 4

Copies 2 & 3
Copy 6

GENERATOR - COPY 7

AMERICAN WASTE SERVICES, INC.

3530 W. LIBERTY CENTRE - SUITE 8
AVE. YOUNGSTOWN, OHIO 44505 PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11802

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME	ADDRESS	PICK-UP DATE
General Electric Corp.	Rocky Point, New York	11/22/88
NAME OR DESCRIPTION OF WASTE SHIPPED	Petroleum Hydrocarbon (fuel oil)	WASTE NO.
Contaminated Soil		A-0911-3
QUANTITY SHIPPED / CONTAINERS		PO. NO.
16 cubic yards		J6321-45415
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

GROSS WEIGHT:

TARE WEIGHT:

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME	PHONE NO.	24 HR. EMERGENCY NO.
	J.R. Kelly, O.H. Materials Corp.	(609) 987-0010	(609) 987-0010

I Hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

SIGNATURE

William P. Kelly

DATE

11/22/88

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Wills Trucking, Inc.	3185 Columbia Rd., Richfield, OH 44286	(800) 624-4366
VEHICLE I.D. NO.	STATE	QUANTITY
4234		Above
COMMENTS		PICK-UP DATE
T-15 4234A		11/22/88
		OFF LOAD DATE

I Hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.

SIGNATURE (DRIVER)

Joel Cook

SIGNATURE (RELAY DRIVERS)

DATE

11/22/88

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME	ADDRESS	PHONE NO.
Mahoning Landfill	3510 Fairfield Rd., New Springfield, OH	(216) 549-5357
RECEIVER'S PERMIT NO.	COMMENTS	
8:10		
I Hereby certify that the wastes were delivered to this site and are authorized and permitted for disposal.	AUTHORIZED SIGNATURE	CELL NO.
		DATE

GENERATOR: Copies 1 & 2
RECEIVER: Copy 4

Copies 2 & 3
Copy 6

AMERICAN WASTE SERVICES, INC. - COPY 2

AMERICAN WASTE SERVICES, INC.

C/O LIBERTY CENTRE - SUITE 8

3530 BELMONT AVE., YOUNGSTOWN, OHIO 44505 PHONE (216) 759-7476

NON-HAZARDOUS WASTE MANIFEST

DOCUMENT NO. 11802

THIS SECTION TO BE COMPLETED BY GENERATOR

COMPANY NAME General Electric	ADDRESS Rocky Point, New York	PICK-UP DATE 11/22/88
NAME OR DESCRIPTION OF WASTE Petroleum Hydrocarbon (fuel oil) Contaminated Soil		WASTE NO. A-0911-3
QUANTITY SHIPPED / CONTAINERS 16 cubic yards		PO. NO. J6321-45415
SPECIAL HANDLING INSTRUCTIONS / COMMENTS		

GROSS WEIGHT:

TARE WEIGHT:

IN CASE OF AN EMERGENCY OR SPILL, CONTACT	NAME J.A. Kelly, O.E. Materials Corp.	PHONE NO. (609) 967-0010	24 HR. EMERGENCY NO. (609) 967-0010

I hereby certify that the above named material(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

SIGNATURE

DATE

THIS SECTION TO BE COMPLETED BY THE HAULER / TRANSPORTER:

COMPANY NAME Wills Trucking, Inc.	ADDRESS 3185 Columbia Rd., Richfield, OH 44286	PHONE NO. (216) 885-1344
VEHICLE I.D. NO. 4234	STATE OH	QUANTITY Above
COMMENTS JRLR 4234A		OFF LOAD DATE
I hereby certify that the above described wastes were accepted for transportation at the producer's site and delivered to and off loaded at the waste facility. Both as listed hereupon.	SIGNATURE (DRIVER)	DATE
	SIGNATURE (RELAY DRIVERS)	DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:

COMPANY NAME Mohoning Landfill	ADDRESS 3500 Sheffield Rd., New Springfield, OH	PHONE NO. (216) 240-3337
RECEIVER'S PERMIT NO. 8:10	QUANTITY	COMMENTS
I hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to accept such wastes.	AUTHORIZED SIGNATURE	CELL NO.
		DATE

GENERATOR: Copies 1 & 2
RECEIVER: Copy 4

Copies 2 & 3
Copy 6

GENERATOR - COPY 7



WASTE PRODUCT SURVEY FORM

☒ P.O. Box 10009
130 Freight Street
Waterbury, CT 06725-0009
(203) 755-2283

☐ P.O. Box 180
Coal City, IL 60416
(815) 634-2211

EWR STREAM NO.

EWR TECH. REP.

GENERIC CODE

16636

DO NOT WRITE ABOVE LINE

I GENERATOR INFORMATION		MAIL ADDRESS	SITE ADDRESS
NAME <u>GENERAL ELECTRIC</u>		<u>P.O. Box 2023</u>	<u>G.E. Rocky Point Site</u>
CONTACT <u>SAM WAITZ</u>		<u>PRINCETON, NJ</u>	<u>Rocky Point, NY</u>
PHONE <u>(609) 529-0130</u>		<u>08540</u>	<u>11778</u>

GEN EPA ID # <u>N.Y. 098.25.3.0222</u>	STATE GEN. ID. <u>N/A</u>	FACILITY GENERATING WASTE IS CLASSIFIED AS ☐ GENERATOR ☐ SOG ☐ CON. EXEMPT SOG ☐ NOT RCRA REGULATED	SIC CODE

II BROKER INFORMATION		MAIL ADDRESS	III TRANSPORTER INFORMATION
NAME <u>MARINE REMEDIATION CONTROL</u>		<u>P.O. Box 2220</u>	☐ EWR ☒ OTHER
CONTACT <u>Mr. Jim Davey</u>		<u>E. Patchogue</u>	NAME <u>MPC</u>
PHONE <u>(516) 654 4900</u>		<u>NY 11772</u>	EPA ID # <u>N.Y. 098.1.18.5905</u>
			CTHW # <u>75</u>

IV QUANTITY <u>700</u>	☐ DRUMS ☐ POUNDS ☐ MONTH ☐ 180 DAYS ☒ ONCE	IN ☒ BULK
☒ GALLONS ☐ Cu. Yd.	☐ 90 DAYS ☐ YEAR ☐ OTHER	☐ CONTAINER

V PHYSICAL		LAYERING	☐ HOMOGENEOUS	PCB's <u>N/A</u> ppm	☒ AQUEOUS ☐ ORGANIC ☐ INORGANIC
STATE ☐ SOLID ☐ SEMI-SOLID	☐ POWDER	☒ BILAYERED	☐ MULTILAYERED	PH ☐ ≤ 2 ☐ 8-10	FLASH POINT ☐ < 73 ☒ 73-99 ☐ ≥ 200
☒ LIQUID	☐ SOLID-LIQUID	DEBRIS <u>N/A</u> %	COLOR <u>BROWN</u>	☐ 2-4 ☐ 10-12.5	☐ NONE
☐ GAS		ODOR <u>FUEL</u>		☐ 4-6 ☐ ≥ 12.5	☐ 100-139
% SOLID (by Volume) <u>21%</u>				☒ 6-8 ☐ EXACT	☐ 140-200

CHECK ITEMS SUSPECTED TO BE PRESENT: ☐ NONE BELOW							
☐ ARSENIC	☐ BARIUM	☐ CADMIUM	☐ CHROMIUM	☒ LEAD	☐ MERCURY	☐ NICKEL	
☐ SELENIUM	☐ SILVER	☐ PESTICIDES	☐ PCB'S	☐ CYANIDES	☐ SULFIDES	☐ OSHA CARCINOGENS	
☐ EXPLOSIVES	☐ AMMONIA	☐ CHELANTS	☐ PHENOL	☐ FLUORIDE	☐ CHLORINATED SOLVENTS		

REACTIVITY: ☒ NONE ☐ EXPLOSIVE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ WATER REACTIVE ☐ RADIOACTIVE ☐ ETIOLOGICAL

LIST PRIORITY POLLUTANTS <u>GASOLINE TANK BOTTOMS. (FLAMMABLE)</u>
MATERIAL TYPE: ☐ UNUSED PRODUCT ☐ VIRGIN CHEMICAL ☐ PROCESS WASTE ☐ OTHER
☐ MSDS ATTACHED ☐ MSDS ATTACHED

VI PROCESS	
1. NAME OF WASTE: <u>WATER + GASOLINE</u>	
2. DESCRIBE THE PROCESS GENERATING THE WASTE INCLUDING RAW MATERIALS AND FINAL PRODUCTS. <u>TANK CLEAN OUTS PRODUCING WATER AND GASOLINE.</u>	
☐ THIS PROCESS IS LISTED IN 40 CFR 261	

VII CLASSIFICATION		USEPA HAZARDOUS WASTE NUMBER(S) <u>D 0 0 1</u>
☒ MATERIAL IS RCRA HAZARDOUS ☐ MATERIAL IS NOT RCRA HAZARDOUS	☐ MATERIAL IS STATE REGULATED ☐ MATERIAL IS NOT STATE REGULATED	STATE REGULATED CODE(S)
☐ YES ☐ NO IS THIS MATERIAL USED OIL AS PER 40 CFR 268?		

VIII SHIPPING		PROPER DOT SHIPPING NAME <u>RG-WASTE FLAMMABLE LIQUID, N.A.S.</u>
☒ DOT HAZARDOUS MATERIAL ☐ NOT DOT REGULATED	☒ HAZARDOUS SUBSTANCE ☒ RG <u>100</u>	DOT HAZARD CLASS <u>FLAMMABLE</u> UN/NA NUMBER <u>1993</u>
☒ CONSTITUENT(S) MAKING MATERIAL A HAZARDOUS SUBSTANCE <u>IGNITABILITY</u>		

GENERATOR'S CERTIFICATION:	
I HEREBY CERTIFY THAT THE ABOVE AND ATTACHED DESCRIPTION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE THAT NO OMISSIONS OF COMPOSITION OR PROPERTIES EXISTS, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED. I ALSO UNDERSTAND IT IS MY RESPONSIBILITY TO PROPERLY IDENTIFY AND CLASSIFY MY MATERIAL IN ACCORDANCE WITH US EPA, US DOT AND/OR STATE REGULATIONS. I AM ALSO FAMILIAR WITH EWR'S PUBLISHED LIST OF MATERIALS MANAGED AND BELIEVE THE ABOVE MATERIAL QUALIFIES.	
I CERTIFY THAT THIS MATERIAL NEITHER CONTAINS POLYCHLORINATED BIPHENYLS (PCB'S) IN CONCENTRATIONS GREATER THAN OR EQUAL TO 50 PPM, NOR, HAS BEEN MIXED IN ANY WAY WITH PCB'S IN CONCENTRATIONS GREATER THAN OR EQUAL TO 50 PPM.	

NAME (Please Print) <u>WILLIAM P WRIGHT</u>	TITLE <u>SR. Resident MGR</u>	GENERATOR SIGNATURE <u>William P. Wright</u>	DATE <u>10/31/88</u>

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM, State Office Building, Hartford, CT 06106



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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 9 82 5 30 2 22 9 26 52		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but may be required by State law	
3. Generator's Name and Mailing Address General Electric P. O. Box 2023, Princeton, NJ 08540 Att: Maurice				A. State Manifest Document Number CT C 10192652			
4. Generator's Phone (609-529-0130				B. State Gen. ID Site: G.E., Rocky Point Rd., Rocky Pt.			
5. Transporter 1 Company Name Marine Pollution Control Inc.		6. US EPA ID Number N Y D 9 8 11 8 59 03		C. State Tran. ID 722832		D. Tran. Phone (516) - 654-4900	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Tran. ID		F. Tran. Phone	
9. Designated Facility Name and Site Address Environmental Waste Resources 130 Freight Street Waterbury, Ct. 06725		10. US EPA ID Number C T D 0 72 1 38 96 9		G. State Facility's ID P.O. Box 10009 Waterbury, Ct.		H. Facility's Phone 203-755-2283	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No Type		13. Total Quantity Unit	
a. Waste Flammable Liquid NOS (RQ-100) Flammable Liquid Un-1993 (D001)				0 01 TT		706 G	
b.							
c.							
d.							
14. Additional Descriptions for Materials Listed Above Gasoline/Water						Listed Above	
15. Special Handling Instructions and Additional Information EWR #A16636							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment proper shipping name and are classified, packed, marked, and labeled, and are in all resp according to applicable international and national government regulations, and all applic If I am a large quantity generator, I certify that I have a program in place to reduce the volume economically practicable and that I have selected the practicable method of treatment, storage and future threat to human health and the environment; OR, if I am a small quantity generator select the best waste management method that is available to me and that I can afford.				Signature William P. Wright		Month Day Year 11/03/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Donald Pendleton		Month Day Year 11/03/88	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Signature		Month Day Year	

700 gal gas

10/31

hwy

as I have determined to be
which minimizes the present
my waste generation and

PRIVATE
NON-HAZARDOUS
DOCUMENT OF CARGO

N.Y. State 364 Permit No. 1A-041

MPC ID # 40-119

Truck License Number TP5235-72281

IDENTIFICATION

Generator: Company name, mailing address and telephone number
SITE: O.H. Materials - G.E.
Rocky Point, N.Y.

Transporter: MARINE POLLUTION CONTROL INC.
P.O. BOX 2220: 375 DUNTON AVENUE
EAST PATCHOGUE, NEW YORK 11772 (516) 654-4900

TSDf Treatment Storage or Disposal Facility: BCF Refining
362 Maspeth Avenue
Brooklyn, N.Y. 11211

WASTE INFORMATION

Description	Containers		Total Quantity	Unit Wt/Vol	MPC Code # NYSDDEC
	No.	Type			
Waste Combustible Liquid UN1993 Combustible Liquid	1	TT	3500	Gallons	N010

I hereby certify that the above waste description is complete and accurate, and that no component exist in the wastes which render it hazardous as defined by 6 NY CRR Section 371 and 372.

Sam White
Generator's Signature

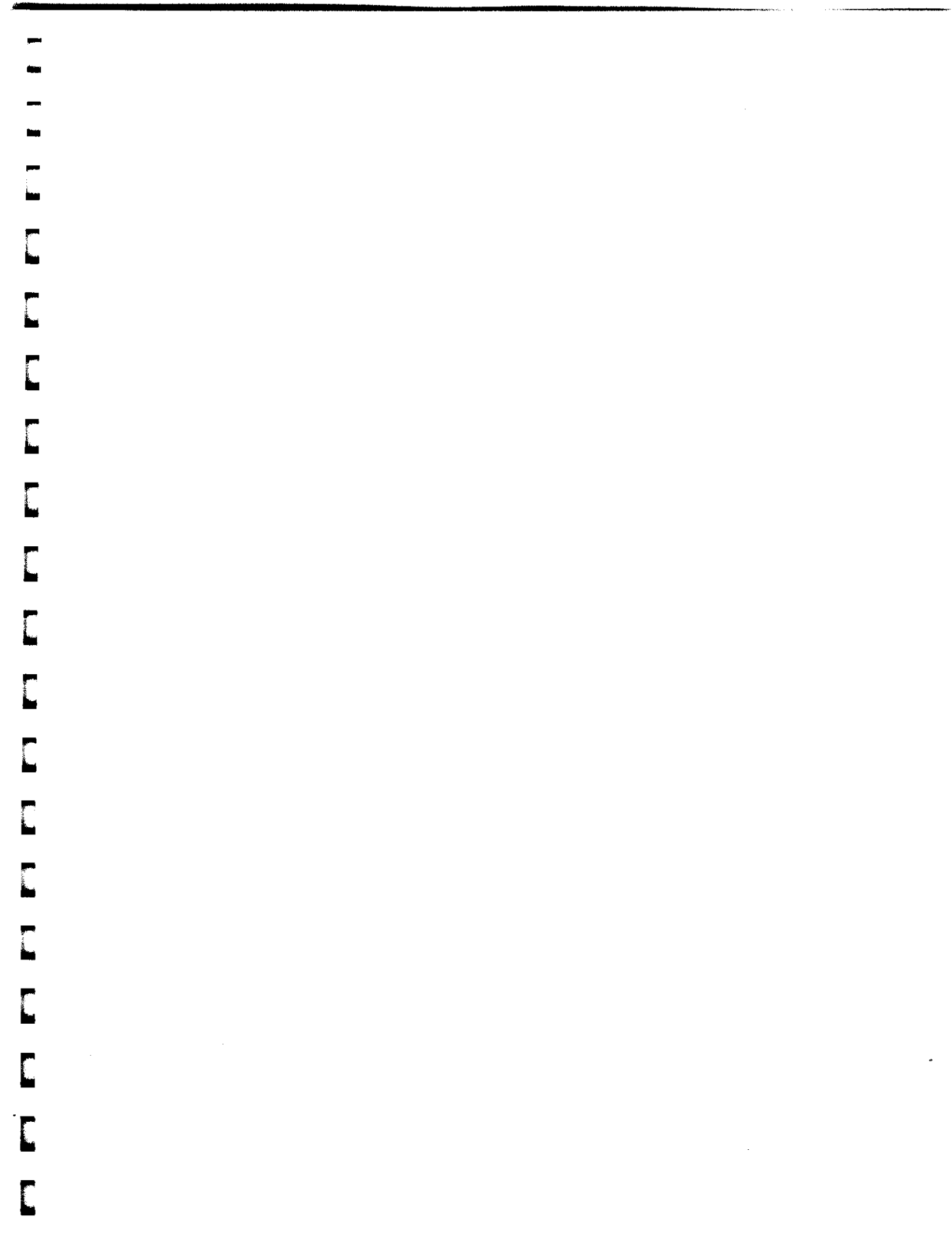
9-7-88
Date

John E. Bannura
Transporter's Signature

9-7-88
Date

RGK
TSDf Signature

9-7-88
Date





Quality Control Certificate

COPY : Duplicate
MATERIAL : HDPE 40 MIL
BATCH # : 92188
ROLL # : 36525

MANF. DATE : 9/21/88
PROJECT NAME : OHMAT./SERROT
PROJECT NUMBER : S9300
LOCATION : ROCKY POINT, NY

TEST PARAMETER	REQUIRED SPECIFICATIONS	TEST RESULTS	ASTM TEST METHOD
Thickness (mils)	40 +/-10%	40	D 1593
Carbon Black (min %)	3.0	2.7	D 1603
Melt Index (g/10 min.)	.3 max	.13	D 1238 E
Density (g/cm3)	.940	.949	D 1505 A
Tensile Properties:			
T.S. Yield (psi)	2333	3003	D638
T.S. Break (psi)	4000	4315	Type IV
Elong. Yield (%)	13	15	2 ipm
Elong. Break (%)	700	730	

CERTIFIED BY

A handwritten signature in black ink, appearing to read "Darlene Phouangsavanh", is written over a horizontal line.

Darlene Phouangsavanh
Lab Supervisor

Gundle Lining Systems, Inc.



Quality Control Certificate

COPY : Original
MATERIAL : HDPE 40 MIL
BATCH # : 92188
ROLL # : 36527

MANF. DATE : 9/21/88
PROJECT NAME : OH MATERIAL/SERROT
PROJECT NUMBER : S9300
LOCATION : ROCKY POINT, NY

TEST PARAMETER	REQUIRED SPECIFICATIONS	TEST RESULTS	ASTM TEST METHOD
Thickness (mils)	40 +/-10%	40	D 1593
Carbon Black (min %)	3.0	2.7	D 1603
Melt Index (g/10 min.)	.3 max	.13	D 1238 E
Density (g/cm ³)	.940	.949	D 1505 A
Tensile Properties:			
T.S. Yield (psi)	2333	3143	D638
T.S. Break (psi)	4000	5286	Type IV
Elong. Yield (%)	13	13	2 ipm
Elong. Break (%)	700	769	

CERTIFIED BY :

A handwritten signature in dark ink, appearing to read "Darlene Phouangsavanh", is written over a horizontal line.

Darlene Phouangsavanh
Lab Supervisor

11/03/88

12:29

713 875 6010

GUNDLE LINING

004



RESIN & ROLL CERTIFICATE

O H MATERIALS/ROCKY POINT N.Y
(SERROT)

RAIL # PSPX-2024

BATCH : 0385823

ROLL # 36527

36525

11/03/88 12:29

713 875 6010

GUNDLE LINING

003



PHILLIPS 66 COMPANY

WABADENA, TEXAS 77001-0792
BOX 792 PHONE: 713 475-3660

PLASTICS DIVISION
Houston Chemical Complex

September 14, 1988

JHV# 7965-88

TLX/FAX: 713-875-6010

Gundle Lining Systems Inc.
Gundle Road
1340 East Richey Road
Houston, TX 77073

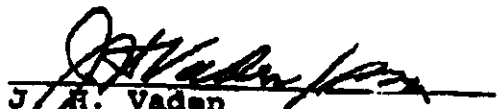
ATTN: Mr. Ray McCurdy

This letter will certify that the Marlex* resin shown below, as supplied by Phillips 66 Company, conforms to our manufacturing specification.

Type:	HHM TR-400
Lot Number:	0385823
P.O. Number:	18570
Date Shipped:	09/12/88
Package:	PSPX 2024
Quantity:	158650 lbs.
Melt Index:	.17 gm/10 min.
Density:	.938 gm/cc
ESCR F/50:	>1000 hrs

Very truly yours,

PHILLIPS 66 COMPANY


J. H. Vaden
Quality Assurance Manager

PSN:JHV:ad

*Reg. U.S. Pat. Off.

cc: HQA*File-RC
E. E. Fogle

SEP - 1 RECD

Industrial Fibers Group
Hoechst Celanese Corporation
Spunbond Business Unit
Post Office Box 5887
Spartanburg, SC 29304-5887
803 579 5479
Toll Free 800 845 7597

(COM-88-333)

CERTIFICATE OF COMPLIANCE

Fluid Systems, Inc.
32 Triangle Park Drive
Suite 3201
Cincinnati, OH 45246

Attn: George Zagorski

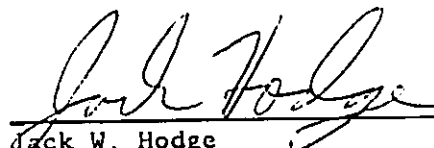
Date: August 29, 1988
HFI Order No. 8088139
Customer Order No. 01307
Specification No. _____
Project No. _____

Manufacturer: Hoechst Celanese Corporation
Product Description: Nonwoven, Needlepunched Continuous Filament,
100 percent Polyester

Product Identification: S11251

This letter is to state that the TREVIRA Spunbond fabric specified above complies with published physical property values. Typical and minimum average roll values for S1125 are attached.

Sincerely,


Jack W. Hodge
Manager Quality Control
TREVIRA Spunbond
Hoechst Celanese Corporation

JWH/tc

cc: Nancy Stephens
File

Industrial Fibers Group
Hoechst Celanese Corporation
Spunbond Business Unit
Post Office Box 5887
Spartanburg, SC 29304-5887
803 579 5479
Toll Free 800 845 7597

PRODUCT DESCRIPTION for

TREVIRA SPUNBOND TYPE 1125

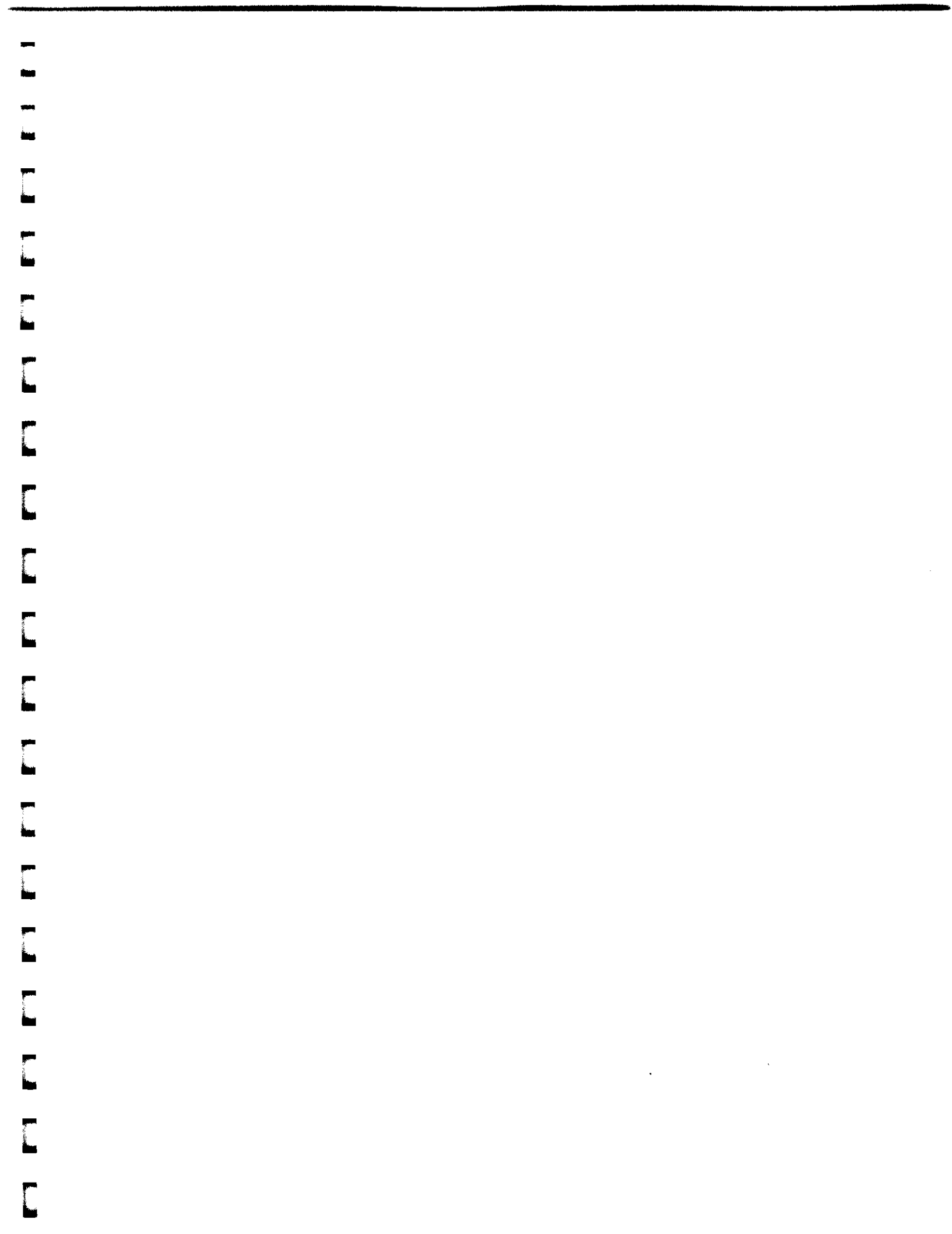
TREVIRA Spunbond Type 1125 is a 100% continuous filament polyester nonwoven needlepunched engineering fabric. The fabric is inert to biological and naturally encountered chemicals, alkalies, and acids, and is resistant to ultraviolet light exposure. TREVIRA Spunbond Type 1125 conforms to the property values listed in the following table:

FABRIC PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE ⁽¹⁾	MINIMUM AVERAGE ROLL VALUES
Fabric Weight	oz/yd ²	ASTM D-3776	7.4	7.1
Thickness	mils	ASTM D-1777	110	100
Grab Strength (MD/CD)	lbs	ASTM D-4632	270/225	200
Grab Elongation (MD/CD)	%	ASTM D-4632	75/85	60
Trapezoid Tear Strength (MD/CD)	lbs	ASTM D-4533	105/95	75
Puncture Resistance (5/16")	lbs	ASTM D-3787	115	95
Mullen Burst Strength	psi	ASTM D-3786	390	360
Vertical Water Flow @ 2" head	gpm/ft ²	ASTM D-4491	130	100
Coefficient of Permeability, k	cm/sec	ASTM D-4491	.49	.35
AOS (Mod. to 10 min.)	Sieve Size	CW-02215-77	70/120	70

MD - Machine Direction, CD - Cross Machine Direction

1) The values listed are average values.

(S1125.39)
May 2, 1988



CONFORMANCE AND CONSTRUCTION
TEST RESULTS
GEOSYNTHETIC SAMPLES
RCA ROCKY POINT PROJECT

HART P.O. NO.: 00008-02-00003-07

PERFORMED FOR:

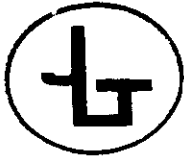
HART ENGINEERS, INC.
PENN CENTER WEST III
SUITE 106
PITTSBURGH, PA 15276

PERFORMED BY:

J&L TESTING COMPANY, INC.
938 SOUTH CENTRAL AVENUE
CANONSBURG, PA 15317

OCTOBER 18, 1988

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J & L TESTING COMPANY, INC.

GEOTECHNICAL, GEOMEMBRANE, GEOTEXTILE AND CONSTRUCTION
MATERIALS TESTING AND RESEARCH

October 18, 1988

Job No. 88C361-02

Hart Engineers, Inc.
Penn Center West III
Suite 106
Pittsburgh, PA 15276

Attention: Mr. Bud McCutcheon or
Mr. Steven Rudolph

SUBJECT: CONFORMANCE & CONSTRUCTION TEST RESULTS
GEOSYNTHETICS TESTING
GE ROCKY POINT PROJECT

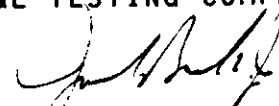
Gentlemen:

Submitted herein are conformance tests results performed on samples of Gundle 40 mil HDPE and Geotex non-woven fabric. Results are presented in Appendix A&B, respectively. In addition, Appendix C contains the results of Peel and Bonded seam strength testing performed on 3 seams derived from construction operations.

All testing was performed in accordance with ASTM procedures. Sample identifications were taken from the chain-of-custody form or directly from the sample itself. Remaining materials will be stored for a period of 90 days and then discarded unless other instructions are received as to their disposition.

Sincerely,

J&L TESTING COMPANY, INC.


John Boschuk, Jr., P.E.
President

JBj/sjs
L-S#196

APPENDIX A

TABLE TP-1

TENSILE PROPERTIES
40 MIL HDPE
GUNDLE GEOMEMBRANE
SAMPLE NO. 36525 FROM ROCKY POINT SITE
FOR
HART ENGINEERS, INC.

ASTM D-638

MACHINE DIRECTION

Replicate No.	Strength @ Yield (psi)	Elong. @ Yield (%)	Strength @ Break (psi)	Elong. @ Break (%)
1	2614.2	14.94	3572.8	731
2	2614.0	14.65	3837.4	768
3	2492.5	13.75	3851.6	793
4	2335.5	13.55	3588.2	812
5	2576.5	13.37	3273.7	643
AVERAGE	2526.5	14.05	3624.7	750

CROSS DIRECTION

Replicate No.	Strength @ Yield (psi)	Elong. @ Yield (%)	Strength @ Break (psi)	Elong. @ Break (%)
1	2689.9	14.34	4918.0	1075
2	2719.3	14.38	4737.6	1031
3	2655.6	13.64	4398.6	993
4	2643.5	13.53	4018.4	925
5	2612.1	13.24	4779.9	1087
AVERAGE	2664.1	13.82	4570.5	1022

F-S#91

TABLE SG-1

SUMMARY OF SPECIFIC GRAVITY AND
DENSITY DETERMINATIONS
40 MIL HDPE
SAMPLES FROM ROCKY POINT SITE
FOR
HART ENGINEERS, INC.

ASTM D-792

DENSITY (g/cm³)

Replicate	Sample 36525
1	.9599
2	.9690
3	.9599
AVERAGE	.9629

SPECIFIC GRAVITY

Replicate	Sample 36525
1	.9623
2	.9714
3	.9623
AVERAGE	.9653

TABLE TH-1

**SUMMARY OF THICKNESS MEASUREMENTS
40 MIL HDPE
GUNDLE GEOMEMBRANE
SAMPLES FROM ROCKY POINT SITE
FOR
HART ENGINEERS, INC.**

ASTM D-1593

THICKNESS (mm)

SAMPLE I.D. NO.

POINT NO.	Sample 36525
1	1.16
2	1.12
3	1.18
4	1.15
5	1.12
AVERAGE	1.15
AVG. MILS	46.0

TH-146

TABLE CB-1

SUMMARY OF CARBON BLACK CONTENT
AND
CARBON BLACK DISPERSION DETERMINATIONS
40 MIL HDPE
GUNDLE GEOMEMBRANE
SAMPLES FROM ROCKY POINT SITE
FOR
HART ENGINEERS, INC.

CARBON BLACK CONTENT - ASTM D 1603 IN PERCENT

Replicate	Sample 36525
1	2.7
2	2.5
3	2.7
AVERAGE	2.6

CARBON BLACK DISPERSION ASTM D 3015

Replicate	Sample 36525
1	A-1
2	A-1
3	A-1
4	A-1
5	A-1
AVERAGE	A-1

APPENDIX B

TABLE GS-1

**SUMMARY OF GRAB STRENGTH
TEST RESULTS
GEOTEX NON-WOVEN
SAMPLES FROM ROCKY POINT SITE
FOR
HART ENGINEERS, INC.**

ASTM D 4632

ROLL NO.: 21047519

MACHINE DIRECTION

REPLICATE NO.	MAXIMUM STRENGTH (lbs.)
1	343.0
2	315.3
3	392.6
4	310.7
5	348.7
AVERAGE	342.1

CROSS DIRECTION

REPLICATE NO.	MAXIMUM STRENGTH (lbs.)
1	336.2
2	292.5
3	344.3
4	222.5
5	238.6
AVERAGE	286.8

T-GS-65

TABLE TT-1

SUMMARY OF TRAPEZOIDAL TEAR STRENGTH
TEST RESULTS
GEOTEX NON-WOVEN
SAMPLES FROM ROCKY POINT SITE
FOR
HART ENGINEERS, INC.
ASTM D 4533
ROLL NO.: 21047519

MACHINE DIRECTION

REPLICATE NO.	MAXIMUM STRENGTH (lbs.)
1	149.8
2	149.4
3	169.4
4	164.6
5	185.0
AVERAGE	163.6

CROSS DIRECTION

REPLICATE NO.	MAXIMUM STRENGTH (lbs.)
1	159.1
2	164.9
3	176.5
4	152.0
5	134.6
AVERAGE	157.4

T-TS-67

TABLE GTH-1

**SUMMARY OF THICKNESS MEASUREMENTS
TEST RESULTS
GEOTEX NON-WOVEN
SAMPLES FROM ROCKY POINT SITE
FOR
HART ENGINEERS, INC.**

ASTM D-1593

THICKNESS (mm)

SAMPLE I.D. NO.

POINT NO.	21047519
1	1.45
2	1.55
3	1.60
4	1.52
5	1.55
AVERAGE	1.53

TH-147

TABLE MUW-1

**SUMMARY OF MASS/UNIT WEIGHT
TEST RESULTS
GEOTEX NON-WOVEN
SAMPLES FROM ROCKY POINT SITE
FOR
HART ENGINEERS, INC.**

REPLICATE NO.	SAMPLE NO. 21047519
1	7.43
2	7.71
3	8.00
AVERAGE	7.71

Values noted in ounces/square yard

T-MUW-20

TABLE PS-1

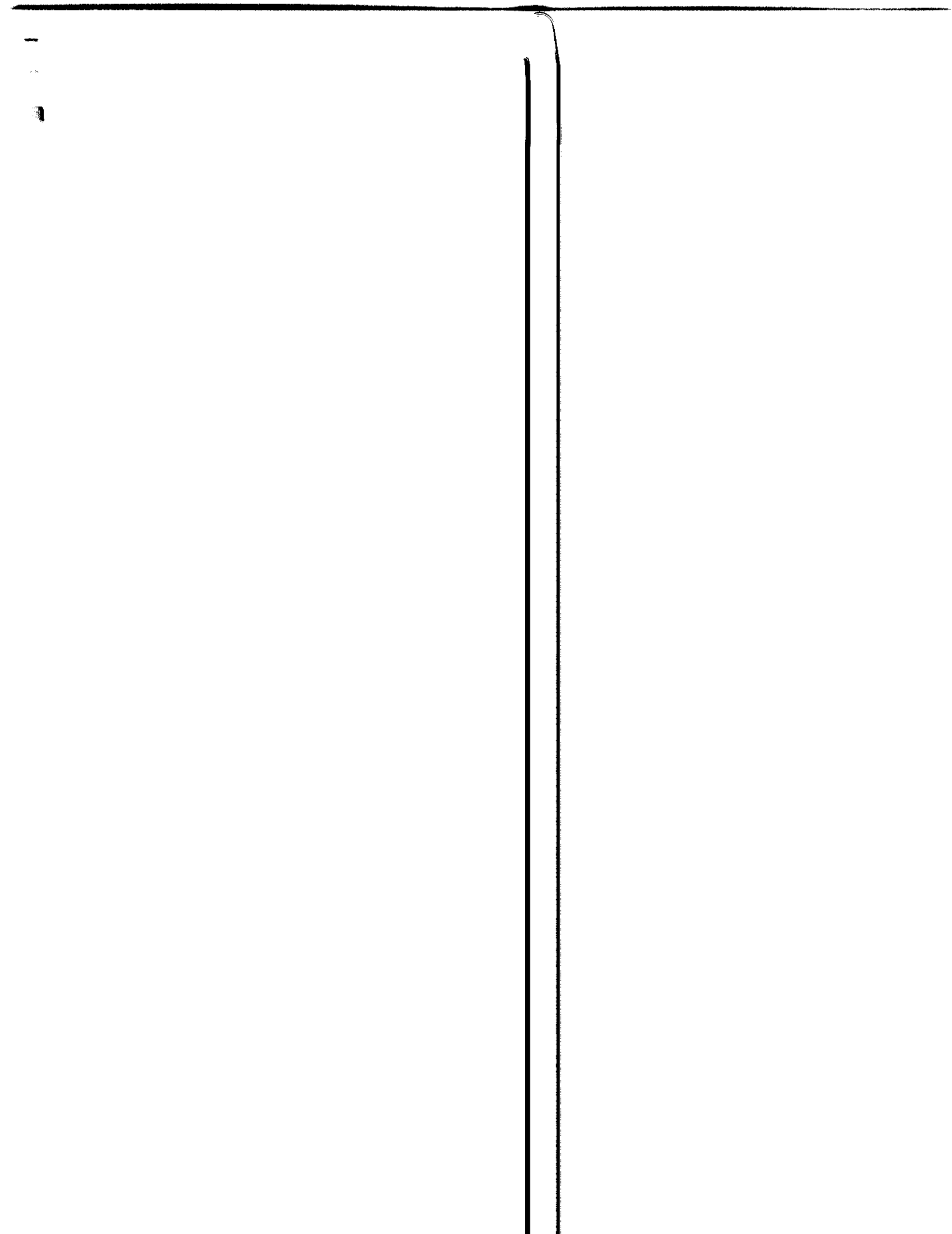
**SUMMARY OF PUNCTURE STRENGTH
TEST RESULTS
GEOTEX NON-WOVEN
SAMPLES FROM ROCKY POINT SITE
FOR
HART ENGINEERS, INC.**

ASTM D 751

REPLICATE NO.	SAMPLE NO. ROLL NO. 21047519
1	134.6
2	119.5
3	142.2
4	161.4
5	166.7
AVERAGE	144.9

T-PS-25

APPENDIX C



Peel and Shear Test Results

Client :HART ENGINEERS
Location :ROCKY PT.
Material Description :40 MIL HDPE
Installer :SERROT
Weld Type :EXTRUSION
Room Temp :72

Job No. :88C361-02
Date :10-7-88
Tested By :DB
Manufacturer :GUNDLE
Machine :ATS 1101
Rate :2IN/MIN

Sample ID :DS-10-6-1

Peel Test Data

Replicate No.	Width(in)	Peak Load(lbs)	Comments
1	1.0	75.40	FTB
2	1.0	88.47	FTB
3	1.0	84.30	FTB
4	1.0	83.72	FTB
5	1.0	83.42	FTB

Average

83.06

Shear Test Data

Replicate No.	Width(in)	Peak Load(lbs)	Comments
1	1.0	114.27	FTB
2	1.0	109.67	FTB
3	1.0	113.07	FTB
4	1.0	114.57	FTB
5	1.0	112.50	FTB

Average

112.82

Q/B

Peel and Shear Test Results

Client :HART ENGINEERS
Location :ROCKY PT.
Material Description :40 MIL HDPE
Installer :SERROT
Weld Type :EXTRUSION
Room Temp :72

Job No. :88C361-02
Date :10-7-88
Tested By :DB
Manufacturer :GUNDLE
Machine :ATS 1101
Rate :2IN/MIN

Sample ID :DS 10-6-2

Peel Test Data

Replicate No.	Width(in)	Peak Load(lbs)	Comments
1	1.0	68.85	FTB
2	1.0	86.65	FTB
3	1.0	69.07	FTB
4	1.0	85.60	FTB
5	1.0	85.10	FTB

Average 79.05

Shear Test Data

Replicate No.	Width(in)	Peak Load(lbs)	Comments
1	1.0	111.57	FTB
2	1.0	110.92	FTB
3	1.0	107.10	FTB
4	1.0	110.95	FTB
5	1.0	109.85	FTB

Average 110.08

99B

Peel and Shear Test Results

Client : HART ENGINEERS
Location : ROCKY PT.
Material Description : 40 MIL HDPE
Installer : SERROT
Weld Type : EXTRUSION
Room Temp : 72

Job No. : 83C361-02
Date : 10-7-88
Tested By : DB
Manufacturer : GUNDLE
Machine : ATS 1101
Rate : 2IN/MIN

Sample ID : DS 10-6-3

Peel Test Data

Replicate No.	Width(in)	Peak Load(lbs)	Comments
1	1.0	77.95	FTB
2	1.0	72.67	FTB
3	1.0	72.82	FTB
4	1.0	89.47	FTB
5	1.0	88.02	FTB

Average 80.19

Shear Test Data

Replicate No.	Width(in)	Peak Load(lbs)	Comments
1	1.0	111.80	FTB
2	1.0	110.47	FTB
3	1.0	100.47	FTB
4	1.0	111.55	FTB
5	1.0	112.75	FTB

Average 109.41

§ 7/B

1-9-01-S0
SAMPLE ID NO.

PEEL STRENGTH

J & L TESTING COMPANY, INC.
Geotechnical Engineering and Materials Testing



CLIENT NAME: HAIR F
LOCATION: Ac 10/17
MATERIAL DESCRIPTION: HAIR F
MACHINE NO.: 475 g GRIPS: 1" SPEED: 2 IN/MIN.
LOAD CELL: 1000 CHART SCALE: 20 LYX: 5 LYY: 5 SCALE: 200
JOB NUMBER: 88C361-02 DATE: 10-7-88



BONDED STRENGTH

SAMPLE ID NO.
05-10-6-1

CLIENT NAME: HART Eng. JOB NUMBER: 98C361-02
LOCATION: Rocky Pt. DATE: 10-7-88
MATERIAL DESCRIPTION: 40 mil HDPE EXT
MACHINE NO.: ATS 900 GRIPS: 1" SPEED: 2 IN/MIN.
LOAD CELL: 1000 CHART SCALE: 20 LYX: .5 LYY: .5 SCALE: 200

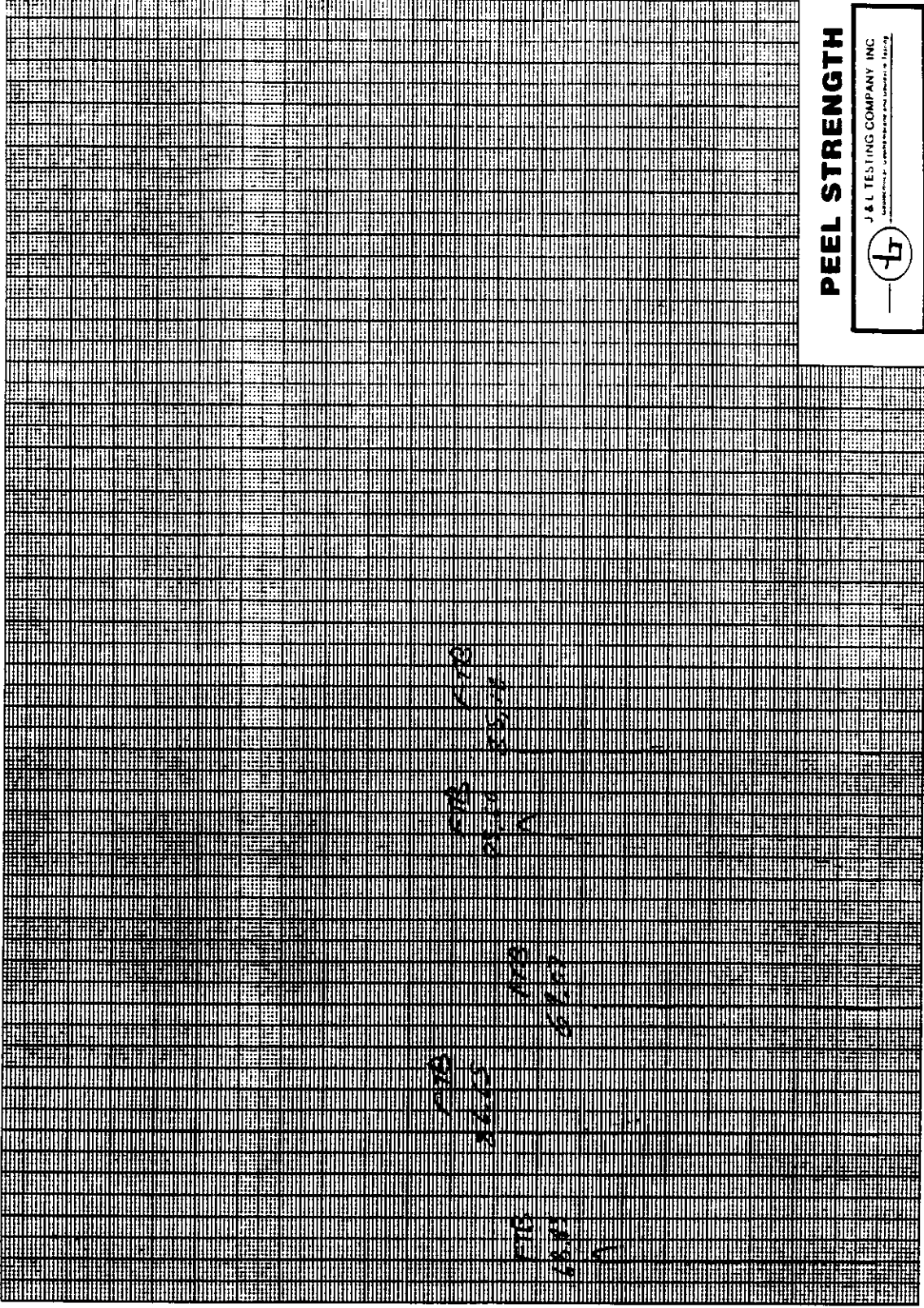
SAMPLE ID NO 05-10-6-2

PEEL STRENGTH

J & L TESTING COMPANY INC.
LABORATORY OF COMBUSTION AND MATERIALS TESTING



CLIENT NAME: 11027 F-05
JOB NUMBER: 88C361-02
LOCATION: Rockville
MATERIAL DESCRIPTION: 4700-1100E FYT
MACHINE NO: A15900 GRIPS: 1"
SPEED: 2 IN/MIN.
LOAD CELL: 1000 CHART SCALE: 20 LYX: 5 LYX: 5 SCALE: 200

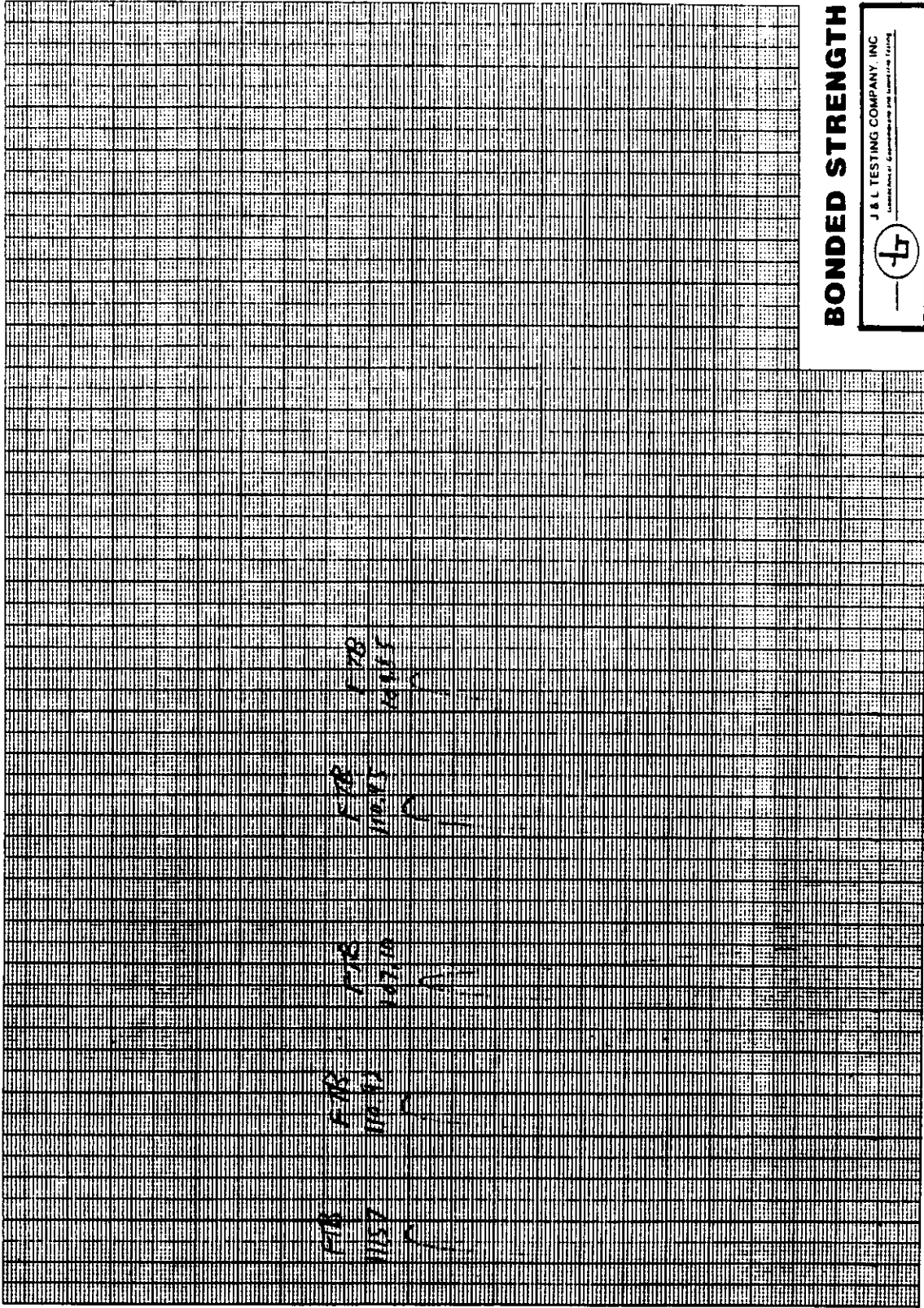


SAMPLE ID NO. 0510-6-2

BONDED STRENGTH



CLIENT NAME: Flare Engineering JOB NUMBER: 88C961-02
LOCATION: Locky Pt. DATE: 10-7-88
MATERIAL DESCRIPTION: 40 mil HMP EX7
MACHINE NO.: 875900 GRIPS: 1" SPEED: 2 IN/MIN.
LOAD CELL: 1000 CHART SCALE: 20 LYX: 5 LYY: 5 SCALE: 200



PEEL STRENGTH

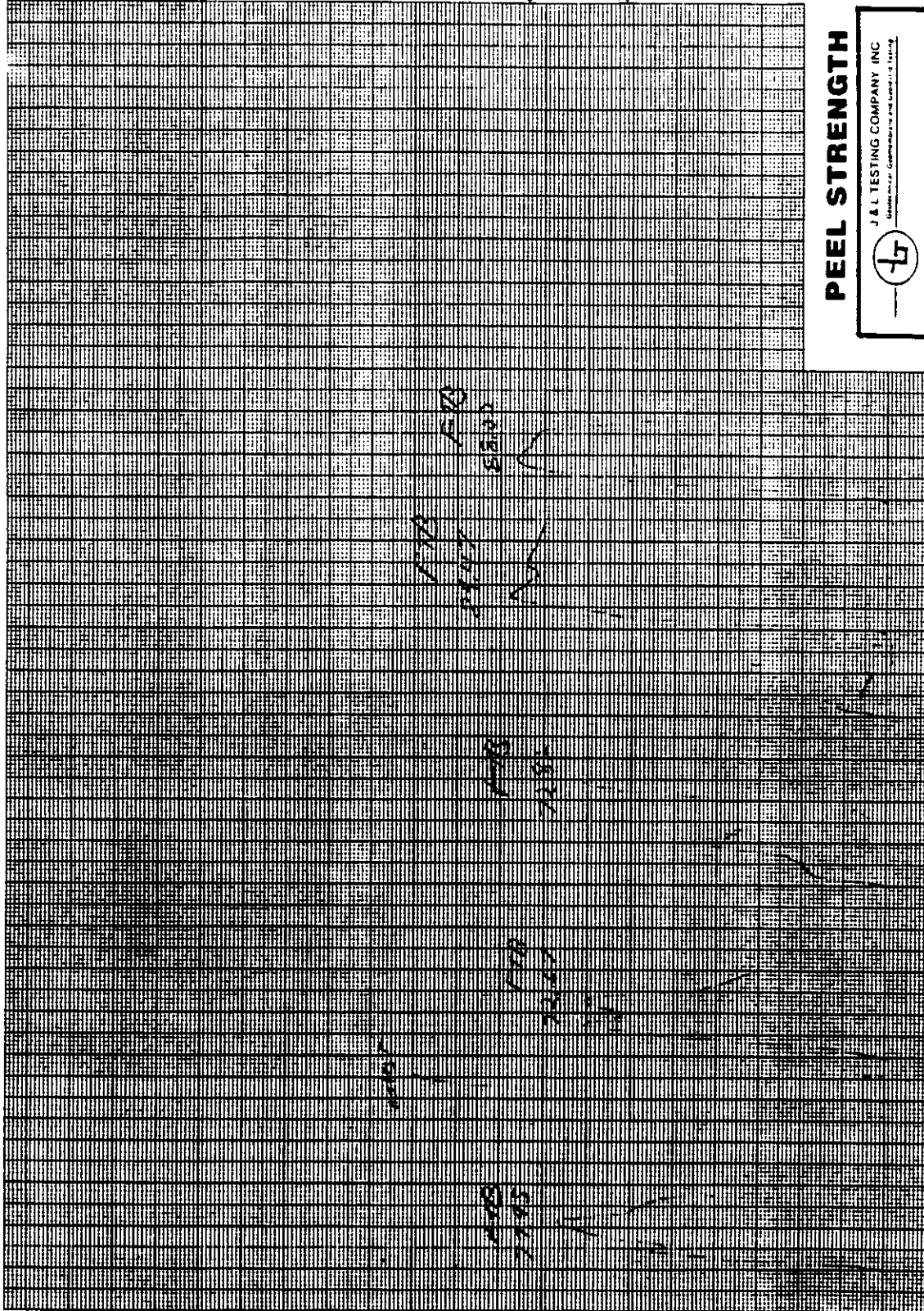
J & L TESTING COMPANY INC.
Specializing in Government and Industrial Testing



PEEL STRENGTH

J & L TESTING COMPANY INC
General and Geotechnical Engineering and Testing

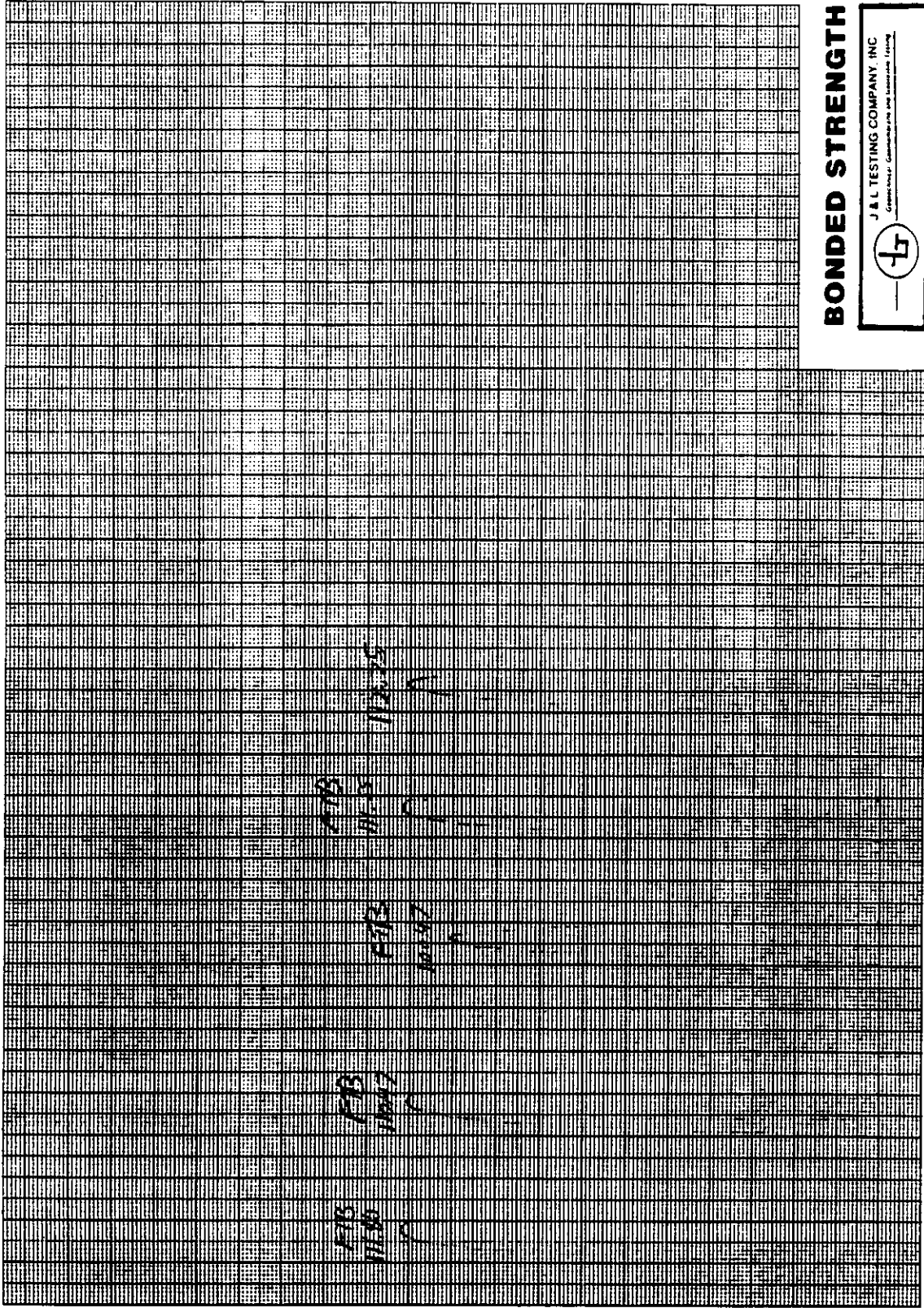
CLIENT NAME: HDP 7 L 29
 LOCATION: Rocky Pt
 MATERIAL DESCRIPTION: 40.000 1 X 7
 MACHINE NO: 975 4 10 GRIPS: 1" SPEED: 2 IN/MIN:
 LOAD CELL: 1000 CHART SCALE: 20 LYX: 5 LYX: 5 SCALE: 200

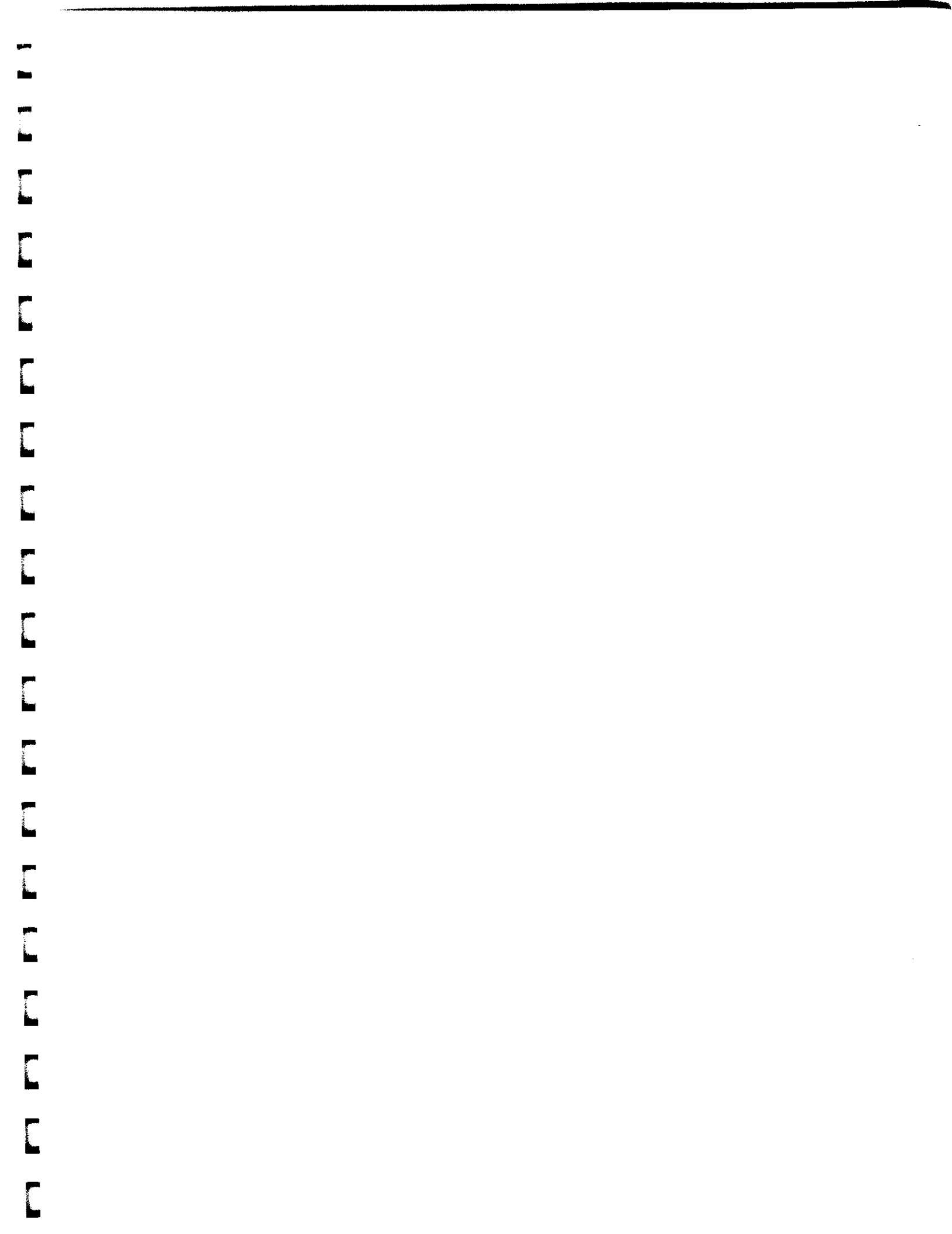


CLIENT NAME: HART Eng JOB NUMBER: 88C 361-02
 LOCATION: Locity Pt. DATE: 10-7-88
 MATERIAL DESCRIPTION: 40 MIL HOPE EXT
 MACHINE NO.: 975 900 GRIPS: 1
 SPEED: 2 IN/MIN.
 LOAD CELL: 1000 CHART SCALE: 20 LYX: 5 LYY: 5 SCALE: 200

SAMPLE ID NO. 05 10-4-3

BONDED STRENGTH







GEOMEMBRANE REPAIR LOG

PROJECT NAME: GE- ROCKY POINT

PROJECT NO.: 00008-02-00003-05

LOCATION	DESCRIPTION OF DAMAGE	REPAIR TYPE	NON-DESTRUCTIVE TESTING
PANEL NO.: <u>6</u>	<u>SMALL HOLE</u>	<u>1' X 1' PATCH</u>	DATE: <u>10-6-88</u>
SEAM NO.: <u>N/A</u>	<u>MIDDLE OF PANEL</u>	<u>EXTENSION</u>	TEST TYPE: <u>V-BOX</u>
OTHER: _____	_____	_____	OUTCOME: <u>PASS</u>
PANEL NO.: <u>6</u>	<u>TEST SAMPLE</u>	<u>2' X 5' PATCH</u>	DATE: <u>10-6-88</u>
SEAM NO.: <u>6</u>	<u>DS-10-6-1</u>	<u>EXTENSION</u>	TEST TYPE: <u>V-BOX</u>
OTHER: _____	_____	_____	OUTCOME: <u>FAIL*/PASS</u>
PANEL NO.: <u>2</u>	<u>TEST SAMPLE</u>	<u>2' X 5' PATCH</u>	DATE: <u>10-7-88</u>
SEAM NO.: <u>2</u>	<u>DS-10-6-2</u>	<u>EXTENSION</u>	TEST TYPE: <u>V-BOX</u>
OTHER: _____	_____	_____	OUTCOME: <u>FAIL*/PASS</u>
PANEL NO.: <u>4</u>	<u>TEST SAMPLE</u>	<u>2' X 5' PATCH</u>	DATE: <u>10-7-88</u>
SEAM NO.: <u>4</u>	<u>DS-10-6-3</u>	<u>EXTENSION</u>	TEST TYPE: <u>V-BOX</u>
OTHER: _____	_____	_____	OUTCOME: <u>FAIL*/PASS</u>
PANEL NO.: _____	_____	_____	DATE: _____
SEAM NO.: _____	_____	_____	TEST TYPE: _____
OTHER: _____	_____	_____	OUTCOME: _____
PANEL NO.: _____	<u>* REPAIR/RETEST = PASS</u>	_____	DATE: _____
SEAM NO.: _____	<u>GRINDING AND REWELDING</u>	_____	TEST TYPE: _____
OTHER: _____	_____	_____	OUTCOME: _____
PANEL NO.: _____	_____	_____	DATE: _____
SEAM NO.: _____	_____	_____	TEST TYPE: _____
OTHER: _____	_____	_____	OUTCOME: _____
PANEL NO.: _____	_____	_____	DATE: _____
SEAM NO.: _____	_____	_____	TEST TYPE: _____
OTHER: _____	_____	_____	OUTCOME: _____
PANEL NO.: _____	_____	_____	DATE: _____
SEAM NO.: _____	_____	_____	TEST TYPE: _____
OTHER: _____	_____	_____	OUTCOME: _____

GEOMEMBRANE QUALITY ASSURANCE CHECKLIST

PROJECT NAME: GE - ROCKY POINT
PROJECT NO.: 00008-02-00003-05

PANEL NO.: 1
SEAM NO.: 1 (1 @ 5'6")
MFG. ROLL NO.: 36527

PANEL PLACEMENT

DATE/HOUR: 10-5-88/3:55 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50's
WIND: MODERATE
GENERAL: PT CLOUDY

SUBBASE CONDITIONS

PROTRUSIONS: NONE
PONDED WATER: NONE
DESSICATION: NONE

HANDLING EQUIP.: CASE 500E CAT-190
VISUAL INSPECTION: SATISFACTORY
TEMPORARY LOADING: NONE
OVERLAP: APPROX 5"
TEMPORARY BOND: LEISTER

PANEL SEAMING

DATE/HOUR: 10-6-88/9:50 AM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 40's
WIND: MODERATE
GENERAL: SUNNY

SEAM TYPE: EXTRUSION
LENGTH: 145'
FIRM SUBBASE: 90% PROCTOR
CLEANLINESS: SATISFACTORY
DRYNESS: SATISFACTORY
WRINKLES: MINIMAL
FISHMOUTHS: NONE

DEVICE NO.: SW-014
SEAMER ID.: F. HERNANDEZ
SURFACE TEMP.: 40's
PRE-HEATING/TYPE: LEISTER
EXTRUSION BARREL TEMP.: 240
EXTRUSION NOZZLE TEMP.: 240
FUSION DEVICE TEMP.:

SEAM TESTING

DATE/HOUR: 10-6-88/5:20 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50's
WIND: MILD
GENERAL: CLOUDY

NON-DESTRUCTIVE

TEST METHOD: V-BOX
TESTER ID.: F. HERNANDEZ
INITIAL PRESS.:
FINAL PRESS.:
TEST OUTCOME: PASS
VERIF. OF REPAIRS: N/A

DESTRUCTIVE

SAMPLE ID.:
LOCATION:
REASON:
FIELD TEST OUTCOME:
VERIF. OF REPAIRS:

NOTES, DAMAGES, PATCHES:



GEOMEMBRANE QUALITY ASSURANCE CHECKLIST

PROJECT NAME: SE ROCK POINT
PROJECT NO.: 00008-02-00003-05

PANEL NO.: _____
SEAM NO.: 2(122)
MFG. ROLL NO.: 36527

PANEL PLACEMENT

SUBBASE CONDITIONS

DATE/HOUR: 6-5-86 / 4 15 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50°
WIND: MODERATE
GENERAL: PT CLOUDY

PROTRUSIONS: NONE
PONDED WATER: NONE
DESSICATION: NONE

HANDLING EQUIPT.: USE CRANE CAT 950
VISUAL INSPECTION: SATISFACTORY
TEMPORARY LOADING: NONE
OVERLAP: APPROX 5"
TEMPORARY BOND: LEISTER

PANEL SEAMING

DATE/HOUR: 10-6-88/10:55 AM
MONITOR: M3 VELTL
WEATHER CONDITIONS:
TEMP.: LOW 50'S
WIND: MODERATE
GENERAL: SUNNY

SEAM TYPE: EXTENSION
LENGTH: 145'
FIRM SUBBASE: 90% #100/200
CLEANLINESS: SATISFACTORY
DRYNESS: SATISFACTORY
WRINKLES: MINIMAL
FISHMOUTHS: _____

DEVICE NO.: 500-014
SEAMER ID.: F. HERNANDEZ
SURFACE TEMP.: 50's
PRE-HEATING/TYPE: LETSTER
EXTRUSION BARREL TEMP.: 240
EXTRUSION NOZZLE TEMP.: 240
FUSION DEVICE TEMP.: _____

SEAM TESTING

NON-DESTRUCTIVE

DATE/HOUR: 10-7-88/7:15 AM
MONITOR: MS VERTEL
WEATHER CONDITIONS:
TEMP.: 40'S
WIND: MODERATE
GENERAL: CLOUDY

TEST METHOD: V-Box
TESTER ID.: F. HERNANDEZ
INITIAL PRESS.: _____
FINAL PRESS.: _____
TEST OUTCOME: PASS
VERIF. OF REPAIRS: N/A

DESTRUCTIVE

SAMPLE ID.: DS- 10-6-2
LOCATION: SEAM #2
REASON: TEST SAMPLE
FIELD TEST OUTCOME: PASS
VERIF. OF REPAIRS: MJ VELTRI

NOTES, DAMAGES, PATCHES:



GEOMEMBRANE QUALITY ASSURANCE CHECKLIST

PROJECT NAME: GE- ROCKY POINT
PROJECT NO.: 00008-02-00003-05

PANEL NO.: 3
SEAM NO.: 3(203)
MFG. ROLL NO.: 36527

PANEL PLACEMENT

DATE/HOUR: 10-5-88/4:25AM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50's
WIND: MODERATE
GENERAL: PT CLOUDY

SUBBASE CONDITIONS

PROTRUSIONS: NONE
PONDED WATER: NONE
DESSICATION: NONE

HANDLING EQUIPT.: CASESBOE CAT 100
VISUAL INSPECTION: SATISFACTORY
TEMPORARY LOADING: NONE
OVERLAP: APPROX 5
TEMPORARY BOND: LEISTER

PANEL SEAMING

DATE/HOUR: 10-6-88/11:50AM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50's
WIND: MODERATE
GENERAL: SUNNY

SEAM TYPE: EXTRUSION
LENGTH: 140'
FIRM SUBBASE: 90% PROCTOR
CLEANLINESS: SATISFACTORY
DRYNESS: SATISFACTORY
WRINKLES: MINIMAL
FISHMOUTHS: NONE

DEVICE NO.: SW-014
SEAMER ID.: F. HERNANDEZ
SURFACE TEMP.: 52's
PRE-HEATING/TYPE: LEISTER
EXTRUSION BARREL TEMP.: 240
EXTRUSION NOZZLE TEMP.: 240
FUSION DEVICE TEMP.:

SEAM TESTING

DATE/HOUR: 10-7-88/7:45AM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 40's
WIND: MODERATE
GENERAL: CLOUDY

NON-DESTRUCTIVE

TEST METHOD: V-Box
TESTER ID.: F. HERNANDEZ
INITIAL PRESS.:
FINAL PRESS.:
TEST OUTCOME: PASS
VERIF. OF REPAIRS: N/A

DESTRUCTIVE

SAMPLE ID.:
LOCATION:
REASON:
FIELD TEST OUTCOME:
VERIF. OF REPAIRS:

NOTES, DAMAGES, PATCHES:



GEOMEMBRANE QUALITY ASSURANCE CHECKLIST

PROJECT NAME: GE. ROCKY POINT
PROJECT NO.: 00008-02 00003-05

PANEL NO.: 4
SEAM NO.: 4 2 2 2
MFG. ROLL NO.: 36527

PANEL PLACEMENT

DATE/HOUR: 10-5-88/4 30 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50'S
WIND: MODERATE
GENERAL: PT CLOUDY

SUBBASE CONDITIONS

PROTRUSIONS: NONE
PONDED WATER: NONE
DESSICATION: NONE

HANDLING EQUIPT.: CASE 580E, CAT 930
VISUAL INSPECTION: SATISFACTORY
TEMPORARY LOADING: NONE
OVERLAP: APPROX 5"
TEMPORARY BOND:

PANEL SEAMING

DATE/HOUR: 10-6-88/2:45 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50'S
WIND: MILD
GENERAL: PT CLOUDY

SEAM TYPE: EXTRUSION
LENGTH: 115'
FIRM SUBBASE: 90% PROCTOR
CLEANLINESS: SATISFACTORY
DRYNESS: SATISFACTORY
WRINKLES: MINIMAL
FISHMOUTHS: NONE

DEVICE NO.: SW-014
SEAMER ID.: F. HERNANDEZ
SURFACE TEMP.: 50'S
PRE-HEATING/TYPE: LEISTER
EXTRUSION BARREL TEMP.: 240
EXTRUSION NOZZLE TEMP.: 240
FUSION DEVICE TEMP.:

SEAM TESTING

DATE/HOUR: 10-7-88/8:10 AM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 40'S
WIND: MODERATE
GENERAL: CLOUDY

NON-DESTRUCTIVE

TEST METHOD: V-BOX
TESTER ID.: F. HERNANDEZ
INITIAL PRESS.:
FINAL PRESS.:
TEST OUTCOME: PASS
VERIF. OF REPAIRS: N/A

DESTRUCTIVE

SAMPLE ID.: DS-10-6-3
LOCATION: SEAM #4
5' NORTH OF KEY TRENCH
REASON: TEST SAMPLE
FIELD TEST OUTCOME: PASS
VERIF. OF REPAIRS: MJ VELTRI

NOTES, DAMAGES, PATCHES:



GEOMEMBRANE QUALITY ASSURANCE CHECKLIST

PROJECT NAME: GE- ROCKY POINT
PROJECT NO.: 00008-02 00003-05

PANEL NO.: 5
SEAM NO.: 5 (625)
MFG. ROLL NO.: 36527

PANEL PLACEMENT

DATE/HOUR: 10-5-88/5:05 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50'S
WIND: MILD
GENERAL: CLOUDY

SUBBASE CONDITIONS

PROTRUSIONS: NONE
PONDED WATER: NONE
DESSICATION: NONE

HANDLING EQUIPT.: CASE 580E, CAT 93C
VISUAL INSPECTION: SATISFACTORY
TEMPORARY LOADING: NONE
OVERLAP: APPROX 5'
TEMPORARY BOND: LESTER

PANEL SEAMING

DATE/HOUR: 10-6-88/10:10 AM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 40'S
WIND: MODERATE
GENERAL: SUNNY

SEAM TYPE: EXTRUSION
LENGTH: 22'
FIRM SUBBASE: 10% PROTRUS
CLEANLINESS: SATISFACTORY
DRYNESS: SATISFACTORY
WRINKLES: MINIMAL
FISHMOUTHS: NONE

DEVICE NO.: SW-014
SEAMER ID.: F. HERNANDEZ
SURFACE TEMP.: 40'S
PRE-HEATING/TYPE: LESTER
EXTRUSION BARREL TEMP.: 240
EXTRUSION NOZZLE TEMP.: 240
FUSION DEVICE TEMP.:

SEAM TESTING

DATE/HOUR: 10-6-88/5:30 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 40'S
WIND: MILD
GENERAL: CLOUDY

NON-DESTRUCTIVE
TEST METHOD: V-BOX
TESTER ID.: F. HERNANDEZ
INITIAL PRESS.:
FINAL PRESS.:
TEST OUTCOME: PASS
VERIF. OF REPAIRS: N/A

DESTRUCTIVE
SAMPLE ID.:
LOCATION:
REASON:
FIELD TEST OUTCOME:
VERIF. OF REPAIRS:

NOTES, DAMAGES, PATCHES:



GEOMEMBRANE QUALITY ASSURANCE CHECKLIST

PROJECT NAME: GE-POSS FILL
PROJECT NO.: 00008-02-00003-05

PANEL NO.: 6
SEAM NO.: 6 (72635)
MFG. ROLL NO.: 36525

PANEL PLACEMENT

DATE/HOUR: 10-5-88/5:45 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50's
WIND: MILD
GENERAL: PT CLOUDY

SUBBASE CONDITIONS

PROTRUSIONS: NONE
PONDED WATER: NONE
DESSICATION: NONE

HANDLING EQUIPT.: CASE 441, 442
VISUAL INSPECTION: SATISFACTORY
TEMPORARY LOADING: NONE
OVERLAP: APPROX 5'
TEMPORARY BOND: NONE

PANEL SEAMING

DATE/HOUR: 10-6-88/8:45 AM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 40's
WIND: MODERATE
GENERAL: SUNNY

SEAM TYPE: EXTRUSION
LENGTH: ≈ 130'
FIRM SUBBASE: 90% PROCTOR
CLEANLINESS: SATISFACTORY
DRYNESS: SATISFACTORY
WRINKLES: MINIMAL
FISHMOUTHS: NONE

DEVICE NO.: SW-014
SEAMER ID.: F. HERNANDEZ
SURFACE TEMP.: 40's
PRE-HEATING/TYPE: WISTER
EXTRUSION BARREL TEMP.: 240
EXTRUSION NOZZLE TEMP.: 240
FUSION DEVICE TEMP.:

SEAM TESTING

DATE/HOUR: 10-6-88/4:55 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50's
WIND: MILD
GENERAL: PT CLOUDY

NON-DESTRUCTIVE

TEST METHOD: V-BOX
TESTER ID.: F. HERNANDEZ
INITIAL PRESS.:
FINAL PRESS.:
TEST OUTCOME: FAIL*
VERIF. OF REPAIRS: MJ VELTRI

DESTRUCTIVE

SAMPLE ID.: DS-10-6-1
LOCATION: SEAM #6
35' NORTH OF SEAM 5
REASON: TEST SAMPLE
FIELD TEST OUTCOME: PASS
VERIF. OF REPAIRS: MJ VELTRI

NOTES, DAMAGES, PATCHES: 2 SMALL HOLES, 1 DIMPLE
NEED PATCHED - REPAIRED 10-6-88 10:20

* REPAIR/RETEST - PASS
GRINDING/REWELDING



GEOMEMBRANE QUALITY ASSURANCE CHECKLIST

PROJECT NAME: GE. ROCK POINT
PROJECT NO.: CCCCC 02-0001-105

PANEL NO.: 7
SEAM NO.: 7/1/88
MFG. ROLL NO.: 36525

PANEL PLACEMENT

DATE/HOUR: 10-5-88/6:00PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 40's
WIND: MILD
GENERAL: PT CLOUDY

SUBBASE CONDITIONS

PROTRUSIONS: 1 ONE
PONDED WATER: 1 ONE
DESSICATION: 1 ONE

HANDLING EQUIPT.: BACKSAX, CAT 90
VISUAL INSPECTION: SATISFACTORY
TEMPORARY LOADING: ADJACENT
OVERLAP: ATTACHED
TEMPORARY BOND: ELASTIC

PANEL SEAMING

DATE/HOUR: 10-6-88/7:10AM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 40's
WIND: MILD
GENERAL: SUNNY

SEAM TYPE: EXTRUSION
LENGTH: 88'
FIRM SUBBASE: 90% PROCTOR
CLEANLINESS: SATISFACTORY
DRYNESS: SATISFACTORY
WRINKLES: MINIMAL
FISHMOUTHS: NONE

DEVICE NO.: SW-014
SEAMER ID.: F. HERNANDEZ
SURFACE TEMP.: 40's
PRE-HEATING/TYPE: LEISTER
EXTRUSION BARREL TEMP.: 340
EXTRUSION NOZZLE TEMP.: 340
FUSION DEVICE TEMP.:

SEAM TESTING

DATE/HOUR: 10-6-88/4:30PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 50's
WIND: MILD
GENERAL: PT CLOUDY

NON-DESTRUCTIVE
TEST METHOD: V-BOX
TESTER ID.: F. HERNANDEZ
INITIAL PRESS.:
FINAL PRESS.:
TEST OUTCOME: PASS
VERIF. OF REPAIRS: N/A

DESTRUCTIVE
SAMPLE ID.:
LOCATION:
REASON:
FIELD TEST OUTCOME:
VERIF. OF REPAIRS:

NOTES, DAMAGES, PATCHES: CUT ALONG SEAM #6 - REPAIRED 10-6-88
V-BOX TESTED - PASS



GEOMEMBRANE QUALITY ASSURANCE CHECKLIST

PROJECT NAME: GE - ROCKY POINT
PROJECT NO.: 00000-02-00003-05

PANEL NO.: 5
SEAM NO.: N/A
MFG. ROLL NO.: 335-5

PANEL PLACEMENT

DATE/HOUR: 10-5 PM/6:00 PM
MONITOR: MJ VELTRI
WEATHER CONDITIONS:
TEMP.: 40's
WIND: MILD
GENERAL: PT CLOUDY

SUBBASE CONDITIONS

PROTRUSIONS: NONE
PONDED WATER: NONE
DESSICATION: NONE

HANDLING EQUIPT.: CASE 3800 R4100
VISUAL INSPECTION: SATISFACTORY
TEMPORARY LOADING: NONE
OVERLAP: 4" MIN.
TEMPORARY BOND: LESSON

PANEL SEAMING

DATE/HOUR: _____
MONITOR: _____
WEATHER CONDITIONS:
TEMP.: _____
WIND: _____
GENERAL: _____

SEAM TYPE: _____
LENGTH: _____
FIRM SUBBASE: _____
CLEANLINESS: _____
DRYNESS: _____
WRINKLES: _____
FISHMOUTHS: _____

DEVICE NO.: _____
SEAMER ID.: _____
SURFACE TEMP.: _____
PRE-HEATING/TYPE: _____
EXTRUSION BARREL TEMP.: _____
EXTRUSION NOZZLE TEMP.: _____
FUSION DEVICE TEMP.: _____

SEAM TESTING

DATE/HOUR: _____
MONITOR: _____
WEATHER CONDITIONS:
TEMP.: _____
WIND: _____
GENERAL: _____

NON-DESTRUCTIVE
TEST METHOD: _____
TESTER ID.: _____
INITIAL PRESS.: _____
FINAL PRESS.: _____
TEST OUTCOME: _____
VERIF. OF REPAIRS: _____

DESTRUCTIVE
SAMPLE ID.: _____
LOCATION: _____
REASON: _____
FIELD TEST OUTCOME: _____
VERIF. OF REPAIRS: _____

NOTES, DAMAGES, PATCHES: _____



TRIAL SEAM REPORT

PROJECT NAME: GE. ROCKY POINT
 PROJECT NO.: 00008-02-00003-05
 MATERIAL TYPE: HDPE
 THICKNESS: 40 MIL
 DATE: 10-6-88 AND 10-7-88
 DEVICE NO.: SURRO - SUB 014
 SEAMER ID.: F. HEDUNARDELL
 SEAM TYPE: EXTRUSION

RESULTS

HOUR	SAMPLE ID. NO.	SPECIMEN	PEAL ADHESION	BONDED SEAM STRENGTH	WEATHER CONDITIONS
7:45 AM	TRIAL 1	TS-10-6-1 (AM)	A	PASS	TEMP.: 40'S
	TRIAL 2		B		WIND: MILD
			A		GENERAL: SUNNY
MONITOR: <u>MJ VELTRI</u>			B		
2:30 PM	TRIAL 1	TS-10-6-2 (PM)	A	PASS	TEMP.: 50'S
	TRIAL 2		B		WIND: MILD
			A		GENERAL: AT CLOUDS
MONITOR: <u>MJ VELTRI</u>			B		
7:45 AM	TRIAL 1	TS-10-7-1 (AM)	A	PASS	TEMP.: 40'S
	TRIAL 2		B		WIND: MODERATE
			A		GENERAL: CLOUDY
MONITOR: <u>MJ VELTRI</u>			B		

NOTES:



TRIAL SEAM REPORT

PROJECT NAME: GE Roan:Point
 PROJECT NO.: 00008-02-0003-03
 MATERIAL TYPE: 40 mil HDPE
 THICKNESS: 40 mil
 DATE: 10-15-88
 DEVICE NO.: SV 014
 SEAMER ID.: H. B. NAVO
 SEAM TYPE: EXTRUSION

RESULTS

HOUR	SAMPLE ID. NO.	SPECIMEN	PEAL ADHESION	BONDED SEAM STRENGTH	WEATHER CONDITIONS
9:30	TS-10-15-1	A	PASS	PASS	TEMP: 49
		B	PASS	PASS	WIND: CALM
		A			GENERAL: CLEAR
		B			
MONITOR:					
		A			TEMP:
		B			WIND:
		A			GENERAL:
		B			
MONITOR:					
		A			TEMP:
		B			WIND:
		A			GENERAL:
		B			
MONITOR:					

NOTES:





GEOMEMBRANE REPAIR LOG

PROJECT NAME: GE- ROCKY POINT

PROJECT NO.: 00008-02-00003-05

LOCATION	DESCRIPTION OF DAMAGE	REPAIR TYPE	NON-DESTRUCTIVE TESTING
PANEL NO.: <u>6</u> SEAM NO.: <u>N/A</u> OTHER: _____	<u>SMALL HOLE</u> <u>MIDDLE OF PANEL</u> _____	<u>1' X 1' PATCH</u> <u>EXTRUSION</u> _____	DATE: <u>10-6-88</u> TEST TYPE: <u>V-BOX</u> OUTCOME: <u>PASS</u>
PANEL NO.: <u>6</u> SEAM NO.: <u>6</u> OTHER: _____	<u>TEST SAMPLE</u> <u>DS-10-6-1</u> _____	<u>2' X 5' PATCH</u> <u>EXTRUSION</u> _____	DATE: <u>10-6-88</u> TEST TYPE: <u>V-BOX</u> OUTCOME: <u>FAIL*/PASS</u>
PANEL NO.: <u>2</u> SEAM NO.: <u>2</u> OTHER: _____	<u>TEST SAMPLE</u> <u>DS-10-6-2</u> _____	<u>2' X 5' PATCH</u> <u>EXTRUSION</u> _____	DATE: <u>10-7-88</u> TEST TYPE: <u>V-BOX</u> OUTCOME: <u>FAIL*/PASS</u>
PANEL NO.: <u>4</u> SEAM NO.: <u>4</u> OTHER: _____	<u>TEST SAMPLE</u> <u>DS-10-6-3</u> _____	<u>2' X 5' PATCH</u> <u>EXTRUSION</u> _____	DATE: <u>10-7-88</u> TEST TYPE: <u>V-BOX</u> OUTCOME: <u>FAIL*/PASS</u>
PANEL NO.: _____ SEAM NO.: _____ OTHER: _____	_____	_____	DATE: _____ TEST TYPE: _____ OUTCOME: _____
PANEL NO.: _____ SEAM NO.: _____ OTHER: _____	<u>* REPAIR/RETEST - PASS</u> <u>GRINDING AND REWELDING</u> _____	_____	DATE: _____ TEST TYPE: _____ OUTCOME: _____
PANEL NO.: _____ SEAM NO.: _____ OTHER: _____	_____	_____	DATE: _____ TEST TYPE: _____ OUTCOME: _____
PANEL NO.: _____ SEAM NO.: _____ OTHER: _____	_____	_____	DATE: _____ TEST TYPE: _____ OUTCOME: _____
PANEL NO.: _____ SEAM NO.: _____ OTHER: _____	_____	_____	DATE: _____ TEST TYPE: _____ OUTCOME: _____
PANEL NO.: _____ SEAM NO.: _____ OTHER: _____	_____	_____	DATE: _____ TEST TYPE: _____ OUTCOME: _____

GE- ROCKY POINT

10-5-88

I AGREE THAT THE SURFACE ON
WHICH THE GEOMEMBRANE WAS INSTALLED
IS ACCEPTABLE

Henry Brown
INSTALLER
SERROT

