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Site Cleanup Plan McGraw-Edison Service Bluefield, West Virginia

Prepared for:

Cooper Industries
Houston, Texas

April 1987
Revised August 1987

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A RESOURCE ENGINEERING COMPANY

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DOCUMENT 529-01

SITE CLEANUP PLAN
MCGRAW-EDISON SERVICE
BLUEFIELD, WEST VIRGINIA

Prepared for:

COOPER INDUSTRIES
HOUSTON, TEXAS

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ERT

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1.0 GENERAL INFORMATION

EPA I.D. Number:	WVD000496729
Company Name:	McGraw-Edison Service
Mailing Address:	Cooper Industries P.O. Box 4446 Houston, Texas 77210
Physical Address:	1400 Bluefield Avenue Bluefield, West Virginia 24701
Telephone:	None; call Cooper Industries (713) 739-5619
Responsible Official:	Robert W. Teets Director, Risk Management and Environmental Affairs Cooper Industries Houston, Texas (713) 739-5619
Community Relations Contact:	Tom Campbell, Vice President Public Affairs Cooper Industries Houston, Texas (713) 739-5607
Plant Contact:	None
Generator Hazardous Waste Management Facilities:	Satellite Drums, Drum Accumulation Area, Raw Materials Drum Storage Building, and Tanks

2.0 FACILITY DESCRIPTION

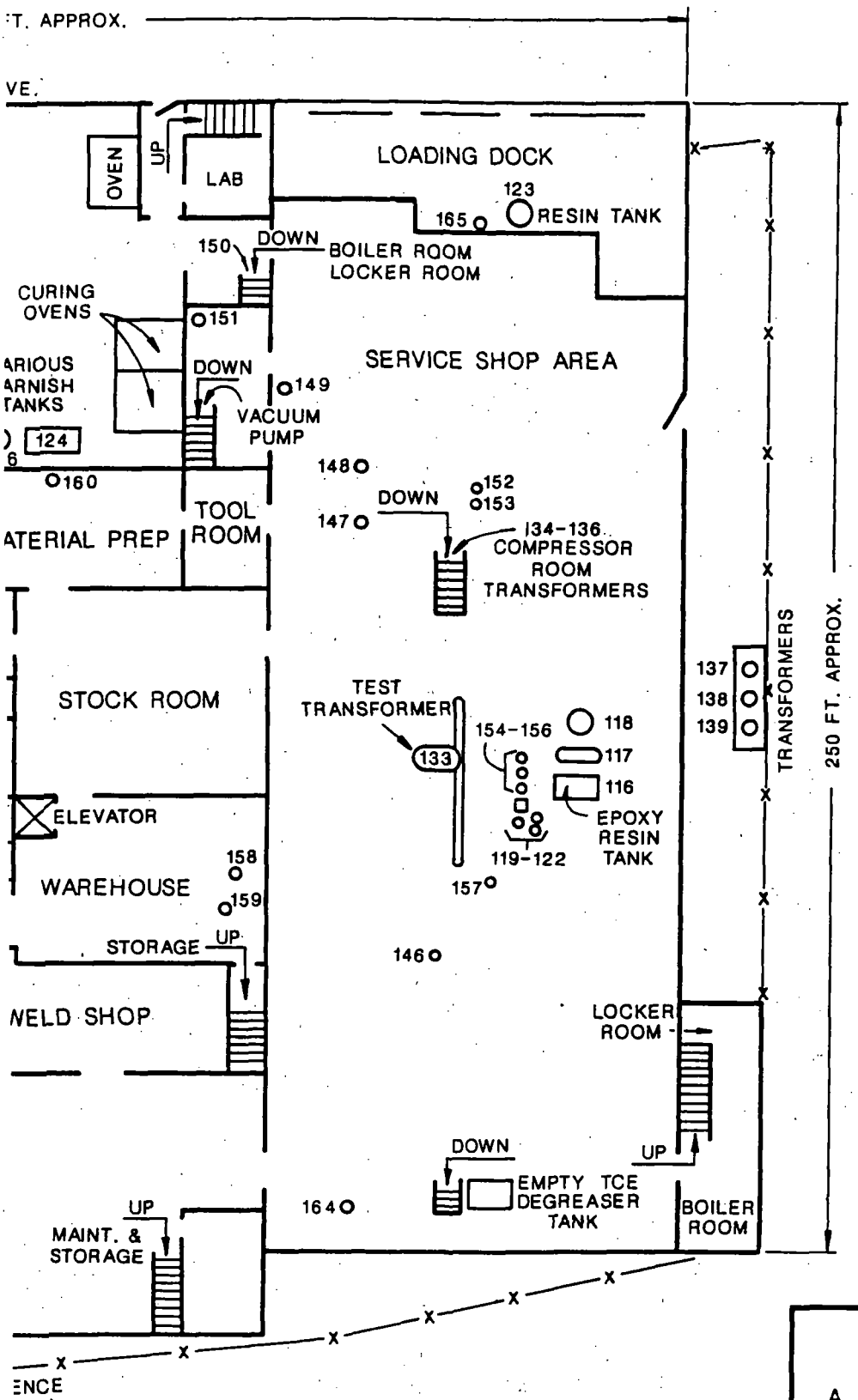
Cooper Industries merged with the McGraw-Edison Company in May 1985. The McGraw-Edison Service Group, a division of the McGraw-Edison Company, operated a facility at Bluefield, West Virginia, for the repair and service of electrical motors and other apparatus and for the manufacture of electric coils of up to 6,600 volts. The plant closed on January 31, 1986.

Locally known as the National Electric Coil Company, the plant is a two-story, brick facility located at 1400 Bluefield Avenue near the downtown area of the City of Bluefield. The adjoining properties include a bulk oil terminal, a small bakery thrift store, and a steep embankment leading to a railyard at the rear of the plant.

The primary plant operations that generated hazardous waste were solvent vapor degreasing and caustic cleaning. Available plant records indicate that lubricating greases, motor oils, and varnishes were also periodically generated.

Correspondence with the West Virginia Department of Natural Resources (DNR), including the Notification of Hazardous Waste Activity and Generator Biennial Hazardous Waste Reports, established the Bluefield plant as a generator of hazardous waste. During the operating life of the plant, waste was accumulated in 55-gallon drums at "satellite" areas throughout the plant and at a drum accumulation area just outside the Machine Shop. These areas are shown in Figure 2-1.

Following plant closure, several process materials including varnish, resin, caustic, and trichloroethylene were left in tanks and numerous small quantity raw materials left in drums in a small storage building, while the future of the plant (and the materials themselves) were being considered. As such, these materials were not solid waste under the EPA and DNR regulatory definition specified in 40 CFR 261.2 since they were not



NOTE: APPROXIMATE LAYOUT; NOT TO SCALE

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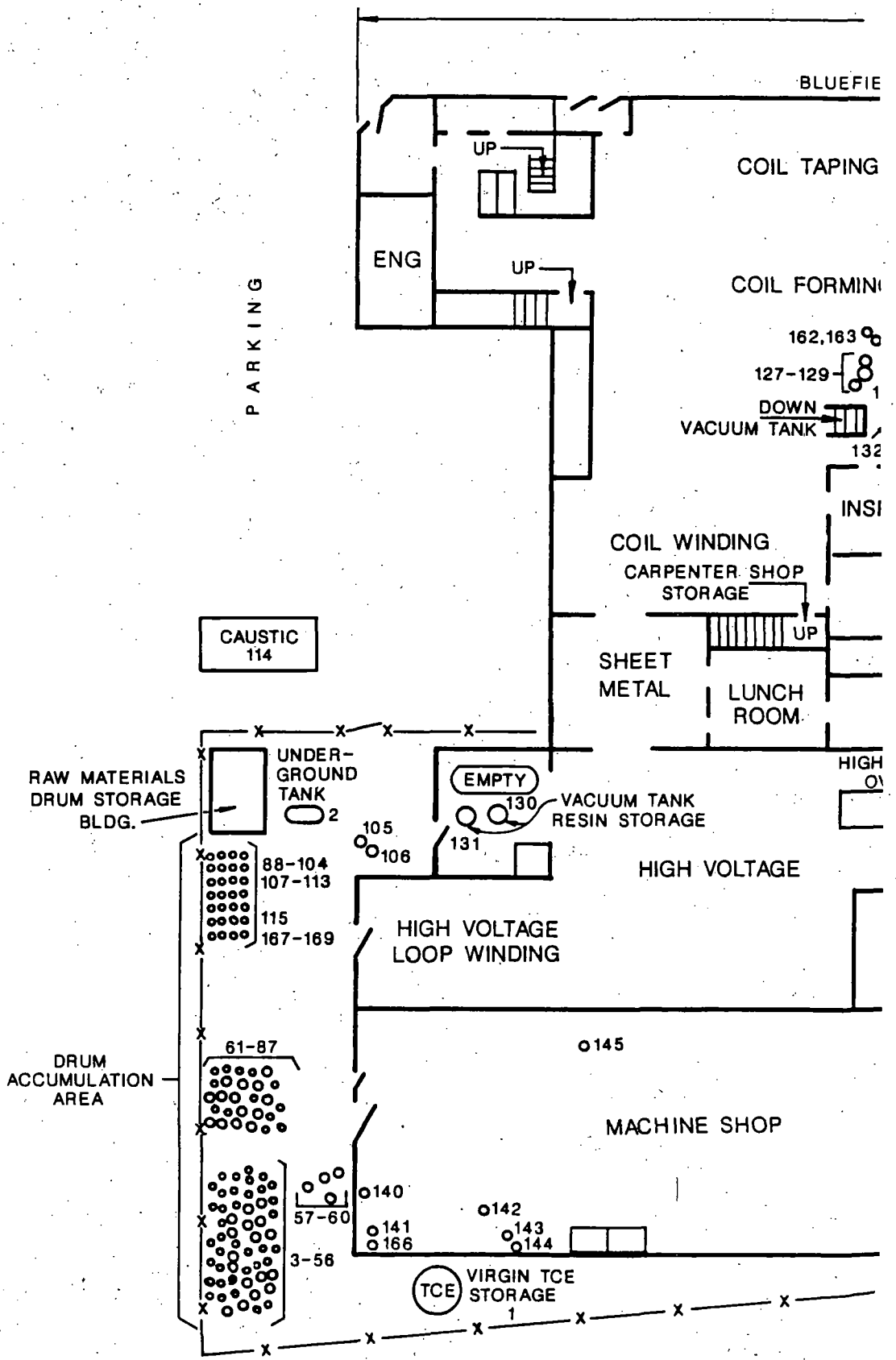
FIGURE 2-1
LOCATION OF WASTE MATERIALS
MCGRAW-EDISON SERVICE
BLUEFIELD, WV

DRAWN BY	DATE	PROJECT NO.
SJ	10-7-86	AR100035 529-01


BLUEFIE
COIL TAPING
UP
ENG
UP
COIL FORMIN
PARKING
162,163
127-129
DOWN
VACUUM TANK
132
INSI
COIL WINDING
CARPENTER SHOP
STORAGE
UP
CAUSTIC
114
SHEET
METAL
LUNCH
ROOM
HIGH
O
RAW MATERIALS
DRUM STORAGE
BLDG.
UNDER-
GROUND
TANK
2
EMPTY
130
VACUUM TANK
RESIN STORAGE
105
106
131
88-104
107-113
115
167-169
HIGH VOLTAGE
HIGH VOLTAGE
LOOP WINDING
145
DRUM
ACCUMULATION
AREA
61-87
MACHINE SHOP
140
57-60
142
141
166
143
144
3-56
TCE
VIRGIN TCE
STORAGE
1

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discarded materials but were, in fact, potentially usable or reusable at this or other McGraw-Edison Service plants. Consequently, by regulatory definition the materials were not hazardous waste at that time. Beginning in October 1986, characterization of these materials along with evaluation of the resource and quality control needs of other McGraw-Edison Service plants resulted in a determination that the materials should be designated as waste and managed accordingly. The characterization data also revealed that some of the materials had to be identified as hazardous waste.

Under the direction of the West Virginia DNR, this Site Cleanup Plan for the satellite drums, drum accumulation area, raw materials drum storage building, and tanks is structured in accordance with interim status requirements for permitted container and tank storage areas. The plan also addresses the removal of:

- an underground diesel fuel storage tank;
- contaminated soil around a trichloroethylene storage tank;
- laboratory chemicals;
- aerosol cans;
- miscellaneous containers of unusable process materials;
- a drum of PCB-laden waste;
- two small PCB capacitors;
- a PCB-contaminated wood block floor;

- a small stockpile of shot blast dust from vented dust collectors;
- two paint spray booths;
- miscellaneous industrial solid (nonhazardous) waste; and
- liquid waste which had accumulated in sumps.

In addition, the plan also covers the cleaning and decontamination of various plant floor areas and machines.

3.0 WASTE CHARACTERISTICS

3.1 Phase I Characterization

In October 1986, Belpar Environmental Services and Technical Testing Laboratories completed a waste inventory, sampling, and analytical program at the Bluefield plant. Figure 2-1 presents the location of the waste materials at the time of sampling. Appendix A contains a container/tank profile sheet and analytical results for each waste sampled. Information is also included on:

- the PCB concentration of the oils in three in-service transformers in the compressor room, a test transformer in the Service Shop, and three in-service power pole transformers outside the building;

- trichloroethylene concentration in soil around the trichloroethylene storage tank;

- characteristics of diesel fuel in the underground storage tank; and

- analysis of ethylene glycol from the cooling jacket for the vapor degreaser.

Appendix B includes the chain-of-custody sheets for the samples while Appendix C lists the raw materials found in the raw materials drum storage building.

A description of the materials identified as hazardous waste based on the analytical results is given in Table 3-1 for tanks and Table 3-2 for drums.

TABLE 3-1

HAZARDOUS WASTE IN TANKS
MCGRAW-EDISON SERVICE
BLUEFIELD, WEST VIRGINIA
OCTOBER 1986

Tank No.	Description	H.W. Code	Volume
1	Trichloroethylene	F001	100 gals.
114	Caustic solids	D006	5 yd^3
		D007	
		D008	
117	Varnish	D001 & D008	30 gals.
118	Varnish	D001 & D008	
119	Varnish	D001	30 gals.
120	Varnish	D001	30 gals.
123	Polyester resin	D001	300-500 gals.
124	Varnish	D001 & D008	
125	Varnish	D001 & D008	
		F001	
128	Varnish	D001	50 gals.
		F001	
129	Varnish	D001	50 gals.
132	Varnish	D001	50 gals.

H.W. Codes:

F001 - The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; ... mixtures.

D001 - Ignitability

D006 - EP Toxicity, cadmium

D007 - EP Toxicity, chromium

D008 - EP Toxicity, lead

TABLE 3-2

HAZARDOUS WASTE IN DRUMS
MCGRAW-EDISON SERVICE
BLUEFIELD, WEST VIRGINIA
OCTOBER 1986

Drum No.	Description	H.W. Code	Volume
3-29, 55 & 56	TCE sludge	F001	1130 gals.
30-54	TCE sludge	F001	1440 gals.
57, 58	Caustic powder	D004	1/4 drum
		D005	
		D007	
		D008	
88-113	Epoxy resins	D001	1125 gals.
		F001	
161	Varnish thinner	D001	55 gals.
		F001	
163	Unknown sludge	PCB	40 gals.
		D001	
		F001	
164	Varnish	D001	45 gals.
165	Unknown liquid	D001	
		F001	

H.W. Codes:

F001 - The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; ... mixtures.

D001 - Ignitability

D004 - EP Toxicity, arsenic

D005 - EP Toxicity, barium

D007 - EP Toxicity, chromium

D008 - EP Toxicity, lead

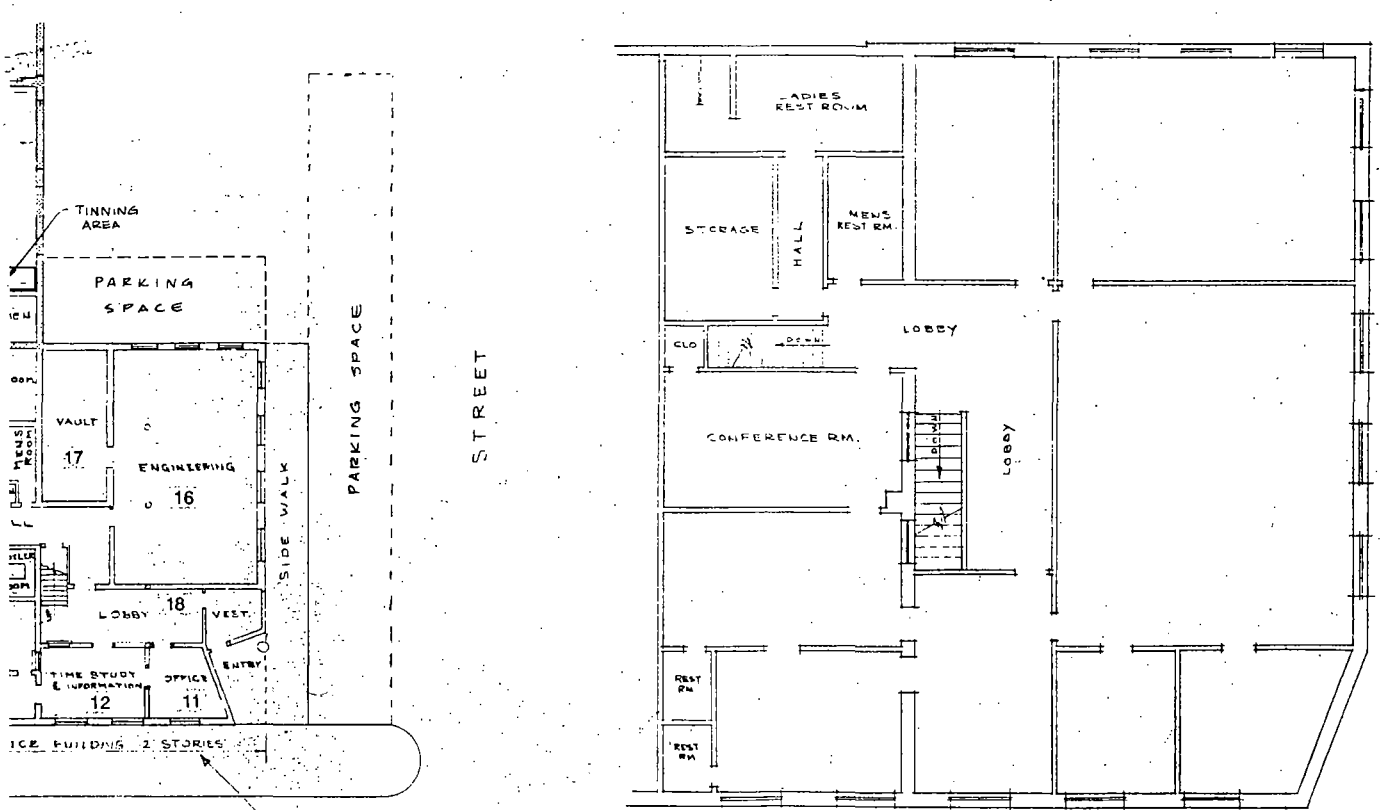
3.2 Phase II Characterization

Phase II follow-up waste characterization at the plant was expanded to areas other than tanks and drums including floors, machines, a dust collector, paint booths, ovens, a floor drain, and soils. The initial effort in this phase was conducted in March 1987, by Associated Chemical and Environmental Services (ACES) of Oregon, Ohio. Subsequent work was carried out in June and early July 1987, by Mr. Rick Uber of Cooper Industries in conjunction with Inland Waters Pollution Control, Inc. of Romulus, Michigan. The specific wastes characterized are described below by the areas presented in Figure 3-1. Laboratory report forms and chain-of-custody documentation for all samples collected in this phase are presented in Appendix D.

3.2.1 Crane Shop No. 1 (Areas 2a and 2b)

In Areas 2a and 2b, eight discrete, destructive (scraping) samples of the concrete floor were collected and composited into one sample for PCB analysis. The actual method used for sample collection was by chiseling. All sampling equipment was properly cleaned and decontaminated before each sampling event and involved hexane solvent rinsing. The samples were placed in containers supplied by Wadsworth/ALERT Laboratories in Canton, Ohio, and shipped to that laboratory for PCB analysis. The analytical results presented in Table 3-3 indicated the presence of 60 mg/kg and 40 mg/kg of PCB-1248 in Areas 2a and 2b, respectively.

A single wipe sample from a machine in Area 2a was collected and single wipe samples from three machines in Area 2b were composited and submitted to ALERT for PCB analysis. The sampling approach involved surface wiping with hexane-moistened Whatman



SECOND FLOOR PLAN - OFFICE BUILDING

SCALE: 1/8" = 1'-0"

First made for:

Sub No.

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FIGURE 3-1
SITE CLEANUP PLAN
AREA DESIGNATIONS

DWG. MAHOOD
VISIONS
FLOOR PLAN BLDG 2/8/71 R.E.R.

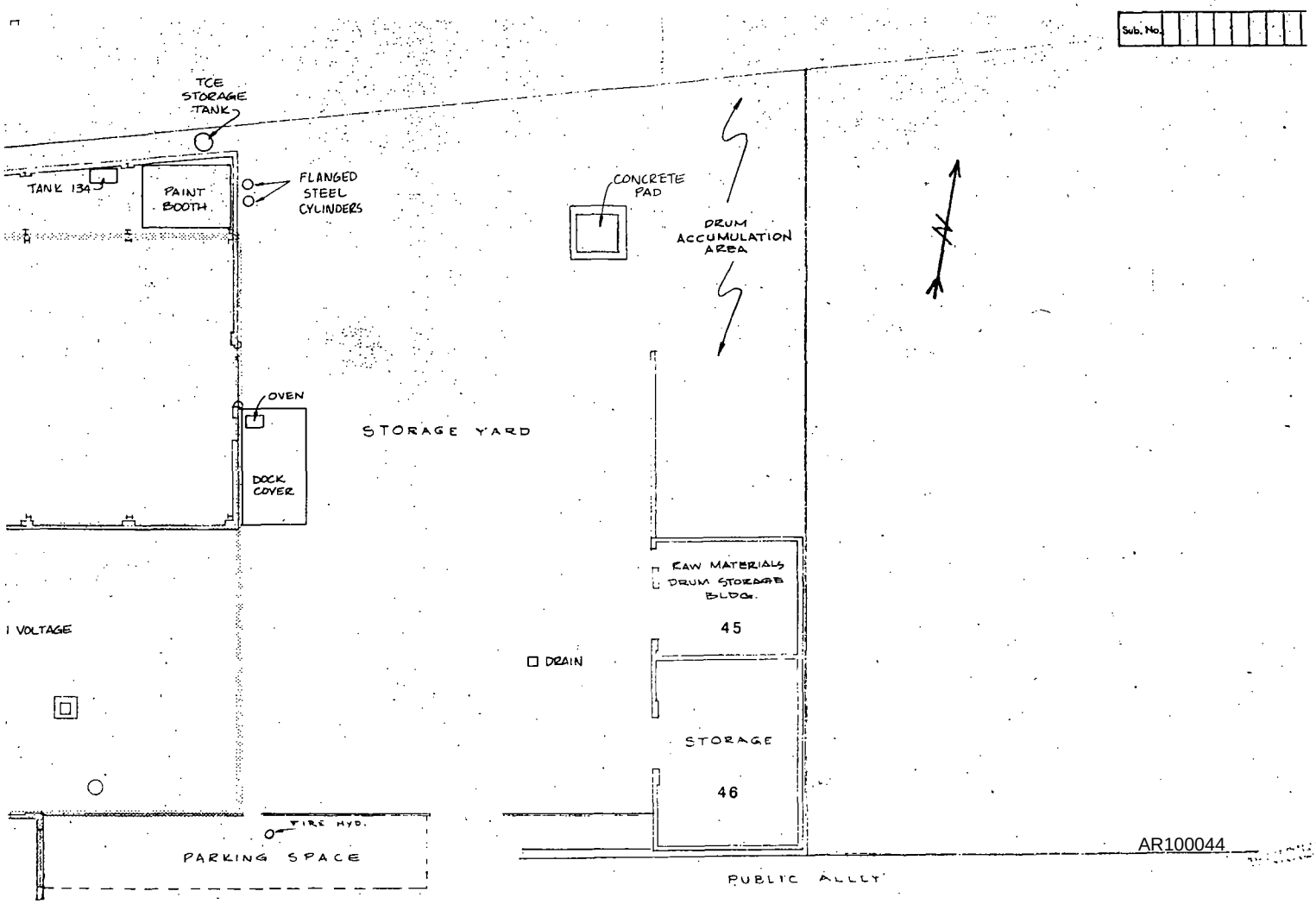
Scale AS NOTED

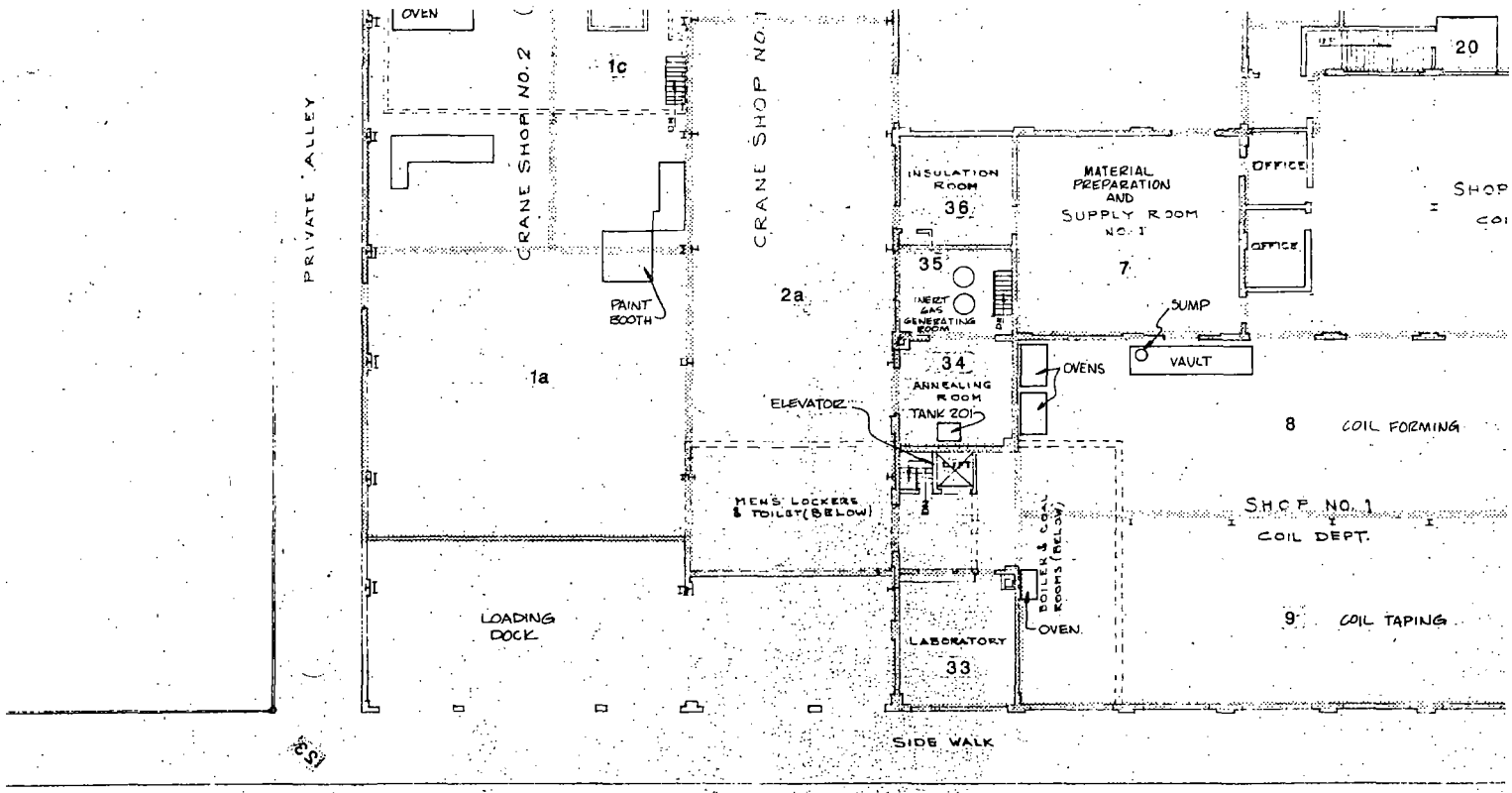
SHEET 1 OF 1

NATIONAL ELECTRIC COIL
DIVISION OF McGRAW EDISON COMPANY
COLUMBUS, OHIO

AR100002

Drawn by R.T.E.
Approved by
Traced by
Date 11-27-62


Sub. No.
TCE STORAGE TANK
TANK 134
PAINT BOOTH
FLANGED STEEL CYLINDERS
CONCRETE PAD
DRUM ACCUMULATION AREA
OVEN
STORAGE YARD
DOCK COVER
RAW MATERIALS DRUM STORAGE BLDG.
45
I VOLTAGE
DRAIN
STORAGE
46
FIRE HYD.
PARKING SPACE
PUBLIC ALLEY



FIRST FLOOR PLAN

SCALE: 1/16" = 1'-0"

BLUEFIELD AVENUE

NATIONAL ELECTRIC COIL C

BLUEFIELD, W. VA.

PLANT LAY-OUT

DATA SHEET

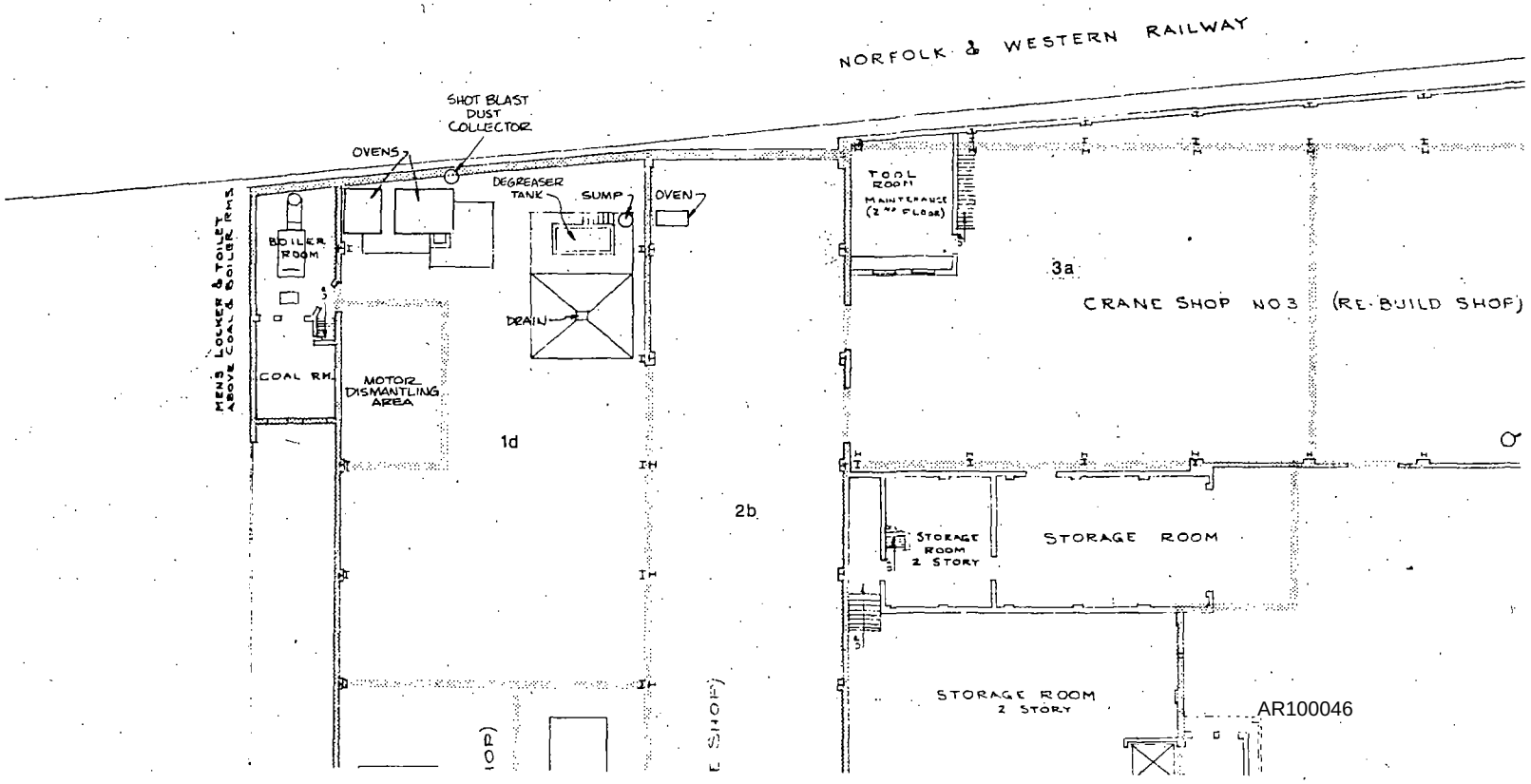


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TABLE 3-3

PCB ANALYTICAL RESULTS FROM SAMPLES COLLECTED MARCH 24, 1987

MCGRAW-EDISON SERVICE

BLUEFIELD, WEST VIRGINIA

Sample Location	No. Discrete Sample/Composite	Detection Limit	Units	Results						
				PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260
1af	8	15	mg/kg	ND	ND	ND	ND	130	ND	130
1bf	8	15	mg/kg	ND	ND	ND	ND	150	ND	60
1cf	8	30	mg/kg	ND	ND	ND	ND	370	ND	ND
1df	8	20	mg/kg	ND	ND	ND	ND	200	ND	ND
1dfmd	5	2	mg/kg	ND	ND	ND	ND	16	ND	ND
2af	8	6	mg/kg	ND	ND	ND	ND	60	ND	ND
2bf	10	4	mg/kg	ND	ND	ND	ND	40	ND	ND
3af	8	2	mg/kg	ND	ND	ND	ND	ND	ND	ND
3bf	8	1	mg/kg	ND	ND	ND	ND	8	ND	ND
4f	8	5	mg/kg	ND	ND	ND	ND	ND	ND	50
5f	4	1	mg/kg	ND	ND	ND	ND	10	ND	12
10f	4	10	mg/kg	ND	ND	ND	ND	50	ND	100
1am	2	1	µg/swab	ND	ND	ND	ND	7	ND	ND
1bm	3	1	µg/swab	ND	ND	ND	ND	9	ND	ND
1cm	1	2	µg/swab	ND	ND	ND	ND	18	ND	ND
1dm	2	1	µg/swab	ND	ND	ND	ND	5	ND	ND
2am	1	3	µg/swab	ND	ND	ND	ND	ND	ND	ND
2bm	3	5	µg/swab	ND	ND	ND	ND	ND	ND	ND
3am	3	1	µg/swab	ND	ND	ND	ND	10	ND	ND
3bm	6	1	µg/swab	ND	ND	ND	ND	10	ND	ND

ND = None Detected

Note: f = floor scraping sample
m = machine surface swipe

Sample collection by ACES

Analysis by Wadsworth/ALERT

filter paper over a 100 cm^2 area guided or marked by a stainless steel template. The analytical results in Table 3-3 revealed no detectable concentrations of PCBs.

Area 2a contained numerous wooden spools stacked 6 to 8 feet high. Random drill boring samples collected from spools not in contact with the floor were composited and submitted to ALERT for EP Toxicity metals analysis. The analytical results indicated no metal concentrations above the EP Toxicity hazardous characteristic values.

3.2.2 Crane Shop No. 2 (Areas 1a Through 1d)

Eight discrete, destructive samples of the wood block floor in each of Areas 1a through 1d were sampled, composited, and analyzed for PCBs in accordance with the procedures described for Crane Shop No. 1. The analytical results presented in Table 3-3 indicated PCB-1248 concentrations ranging between 130 mg/kg and 370 mg/kg in the four areas, and 130 mg/kg and 60 mg/kg of PCB-1260 in Areas 1a and 1b, respectively. Similarly, the following wipe samples from machines in this shop were collected and analyzed per the procedures indicated for Crane Shop No. 1. The complete analytical results are given in Table 3-3.

Area	Discrete Samples/Composite	Detectable Concentration of PCB-1248 (μg/swab)
1a	2	7
1b	3	9
1c	1	18
1d	2	5

AR100048

In the part of Area 1d known as the motor dismantling area, five discrete, destructive samples were also collected and composited into one sample for PCB analysis. The results included in Table 3-3 indicated 16 mg/kg of PCB-1248.

At the northern end of Area 1d, against the exterior wall, a grab sample of shot blast dust from a vented dust collector was gathered and sent to ALERT for PCB analysis and total metals analysis of the EP Toxicity metals. ALERT reported 3 mg/kg of PCB-1248 and elevated concentrations of arsenic (1 mg/kg), cadmium (14 mg/kg), chromium (130 mg/kg), mercury (49 mg/kg), and lead (1,100 mg/kg).

Standing water in a sump in the degreasing tank vault (Area 1d) was sampled and analyzed by ALERT for PCBs. No detectable PCB concentrations were discovered.

Areas 1b and 1d each have ovens. Residues from these two ovens, along with residue samples from the two ovens located in the Coil Forming Department, Area 8, were composited and forwarded to ALERT for the following analyses: volatile organic compounds, PCBs, and EP Toxicity lead. The analytical results revealed no detectable concentrations of volatiles or PCBs and an insignificant concentration of lead (0.13 mg/l).

A grab sample of paint sludge from the reservoir of a paint booth located in Area 1a was submitted to ALERT for EP Toxicity metals analysis. The results indicated lead at 3.2 mg/l and concentrations of barium and cadmium barely above detection limits.

3.2.3 Crane Shop No. 3 (Areas 3a and 3b)

PCB analytical results (Table 3-3) for composite samples of the concrete floor from Areas 3a and 3b yielded no detectable PCB concentrations in Area 3a, and 8 mg/kg of PCB-1248 in Area 3b. Each composite sample was comprised of eight discrete,

destructive samples. The PCB analytical results for machine wipe samples from Area 3a (three discrete samples) and Area 3b (six discrete samples) showed 10 μg/swab of PCB-1248 in both area samples.

Overspray paint residue from a paint booth located in the northeast corner of Area 3b was sampled and sent to ALERT for analysis of PCBs and total metals for the eight EP Toxicity metals. The results indicated elevated concentrations for PCB-1260 (90 mg/kg) and all metals except silver and selenium.

Sludge from a sump serving the paint booth was also sampled and analyzed for volatile organic compounds, PCBs, and EP Toxicity metals. The analytical results showed 14,000 mg/kg of trichloroethylene, no detectable levels of PCBs, and insignificant concentrations of four metals by the EP Toxicity test.

Standing liquid in a 23 inch diameter, 54 inch deep, below-grade sump located in the southwest corner of Area 3b was sampled and analyzed by ALERT for PCBs and total metals analysis for the EP Toxicity metals. The results indicated no detectable PCB concentrations but elevated concentrations of mercury (50 mg/l) and lead (18 mg/l).

A small open top tank (#134) measuring about 4 feet long, 27 inches wide, and 31 inches deep and mounted on legs above floor level was discovered in this phase of work. The tank contained no liquids but did have a small amount of bottom residue. The residue was sampled and analyzed and found to contain no significant metal concentrations via the EP Toxicity test.

3.2.4 High Voltage (Area 4)

Analysis of a composite of eight discrete, destructive samples of the concrete floor in this area showed the presence of 50 mg/kg of PCB-1260.

Tank #130 which was cited as empty during the Phase I characterization program was found to contain solidified resin. A sample of the resin was collected and analyzed for volatile organic compounds, EP Toxicity metals, and flash point. The analytical results indicated the presence of ethylbenzene at 540 mg/kg and trichloroethylene at 250 mg/kg. The EP Toxicity metals results were all nondetectable except for barium (0.14 mg/l), and the flash point was greater than 140°F.

3.2.5 Sheet Metal (Area 5)

Four discrete, destructive samples of the concrete floor in this area were composited and analyzed for PCBs. The results (Table 3-3) revealed 10 mg/kg of PCB-1248 and 12 mg/kg of PCB-1260.

3.2.6 Purchasing (Area 10)

A composite of four discrete, destructive samples of concrete floor was also collected from this area, and the PCB analytical results (Table 3-3) indicated 50 mg/kg of PCB-1248 and 100 mg/kg of PCB-1260.

3.2.7 Trichloroethylene (TCE) Storage Tank (Tank #1)

Following the removal of near surface soils from around the trichloroethylene (TCE) storage tank (see Section 4.1.1, Tanks), soil samples to a depth of 6 inches on four sides of the tank were collected for TCE analysis by ALERT. The TCE concentrations in the soil samples were 160 mg/kg, 240 mg/kg, 110 mg/kg, and 20 mg/kg.

3.2.8 Inert Gas Generating Room (Area 35)

During this characterization phase, a vertical above-grade tank containing an unknown liquid was discovered in this area. Another nearby tank with a similar configuration was determined to be empty. The tanks are underlain by a vault that has a sump and sump pump. At the time of sampling, the vault had several inches of standing liquid. A grab sample of the tank liquid was collected and analyzed by ALERT for pH and total metals analysis of the EP Toxicity metals. The pH value measured was 6.1 while the detectable metals concentrations were as follows: cadmium - 0.10 mg/l, mercury - 0.009 mg/l, and lead - 12 mg/l. Analysis of the vault standing liquid yielded pH values of 6.8 and 6.7, a flash point of 115°F and another greater than 180°F, and PCB-1254 at 250 ug/l.

3.2.9 Loading Dock

While setting up a steam cleaning station in this area during startup of Phase II cleanup activities, channels in the concrete floor were cleaned yielding a dark, heavy sludge. A sample of the sludge was submitted to ALERT for the following analyses: volatile organic compounds, PCBs, EP Toxicity metals, cyanides, sulfides, flash point, and pH. ALERT reported 570 mg/kg of trans-1,2-dichloroethylene; 7,100 mg/kg of trichloroethylene; 11 mg/kg of PCB-1248; 13 mg/kg of PCB-1254; and 180 mg/kg of sulfides. The results of the EP Toxicity metals concentrations were very low, the flash point was greater than 140°F, the cyanide was 0.75 mg/kg, and the pH values were all approximately 6.0.

3.2.10 Annealing Room (Area 34)

Another small tank (#201) was discovered in this area during Phase II cleanup. Measuring about 24 inches wide, 38 inches long, and 25 inches deep and sitting on supports above floor level, the tank contained a cracked residue with a distinct blue coloring. A sample of the residue was analyzed by ALERT for pH and EP Toxicity metals. The pH was 7.0 and the EP Toxicity analysis yielded detectable, but insignificant concentrations of barium (2.3 mg/l), cadmium (0.15 mg/l), and lead (3.4 mg/l).

3.2.11 Elevator (Lift) Pit

At the bottom of the elevator (lift) shaft between the Annealing Room (Area 34) and the Laboratory (Area 33), a layer of cracked residue was discovered. Samples were collected and analyzed for volatile organic compounds, PCBs, EP Toxicity metals, cyanide, and sulfides. The analytical results indicated no detectable concentrations of volatiles, 2 mg/kg of PCB-1242, 6 mg/kg of PCB-1254, and either no detectable or insignificant concentrations of the EP Toxicity metals, cyanide, and sulfides.

3.2.12 Outside Crane Shop No. 3

Just outside the east wall of Crane Shop No. 3, Area 3b, two flanged steel cylinders containing white residues were located during Phase II cleanup. The diameter and depth of the cylinders are approximately 17-1/2 inches/29-1/2 inches and 30 inches/36 inches, respectively. Analysis of a composite sample of the residues for EP Toxicity metals, pH, cyanide, and sulfides yielded no detectable or insignificant concentrations of the parameters and a pH of 11.

3.2.13 Miscellaneous Pallets

Wooden pallets were collected in a central area during Phase II cleanup activities. To determine the appropriate disposal approach, small borings were made in the pallets and the bored out pieces analyzed for PCBs and EP Toxicity metals. No detectable concentrations of PCBs were determined and only slightly detectable concentrations of barium (0.5 mg/l) and lead (0.09 mg/l) were found.

3.3 Phase III Characterization

To assist in determining if further cleaning, removal, and/or decontamination is needed, Table 3-4 presents the additional characterization that will be implemented.

TABLE 3-4

PHASE III WASTE CHARACTERIZATION
MCGRAW-EDISON SERVICE
BLUEFIELD, WEST VIRGINIA

Location	Media	Sample Type	Analytical Parameters
2b	Oven residue	C	Trichloroethylene, vinyl chloride, PCBs, EP Toxicity - lead
8 (Coil Forming)	Floor residue	C	Trichloroethylene, vinyl chloride, PCBs, EP Toxicity - lead
4	Oven residue	C	Trichloroethylene, vinyl chloride, PCBs, EP Toxicity - lead
6 (Coil Dept., Shop No. 2)	Tinning solids	C	EP Toxicity - metals
Shed outside Crane Shop No. 3	Oven residue	C	Trichloroethylene, vinyl chloride, PCBs, EP Toxicity - lead

Note:
C = Composite
D = Discrete

4.0 CLEANUP ACTIVITIES

4.1 Phase I Cleanup

Cooper Industries contracted with ACES in November 1986 to carry out on-site waste cleanup services for the Bluefield plant. This section summarizes the work completed through March 1987.

4.1.1 Tanks (See Figure 2-1)

Prior to plant closure, the virgin trichloroethylene stored in the aboveground tank (#1) located at the rear of the plant was collected by the supplier. During cleanup, ACES withdrew approximately 100 gallons using a vacuum truck. This unused liquid was combined in the vacuum truck with spent trichloroethylene liquids and sludges collected from drums. The combined trichloroethylene waste was subsequently transported for disposal to Safety-Kleen Corporation in Hebron, Ohio. The vacuuming procedure used in removal, along with natural volatilization of de minimis amounts on the tank's inside surfaces, should have completely removed any waste residues.

ACES workers manually removed 6 inches of trichloroethylene-contaminated soil from around the base of storage tank #1. The contaminated soil, totaling about 10 cubic yards, was placed in a 20-cubic yard roll-off container on site, solidified with cement kiln dust along with other wastes, and transported to Fondessey Enterprises in Oregon, Ohio, for disposal.

The solid caustic tank (#114), including the tank shell, was cut up and placed in a roll-off container for disposal with solidified material. Tank #114 was located adjacent to the plant parking area.

All tanks which contained hardened resins or varnishes, such that removal was not practical, were cut away from the waste.

Both waste and tank pieces were placed in roll-off containers with other waste undergoing cement kiln dust solidification.

Those tanks containing semi-solid resins or varnishes were cleaned manually using buckets and shovels. The wastes were placed in drums and manifested for off-site disposal at Environmental Processing Services in Dayton, Ohio.

Only about 1/2 gallon of ethylene glycol was obtained from the cooling jacket serving the trichloroethylene degreaser. This waste was solidified in a roll-off box.

An 8,000-gallon underground diesel fuel storage tank (#2) fabricated of steel was also removed during cleanup. The tank was located near the raw materials drum storage building just outside the high voltage production area. Initial measurements by ACES indicated a 16-inch liquid depth in the tank with 3 inches of water. Approximately 840 gallons of liquid were pumped from the tank and placed in drums for off-site disposal at Environmental Processing Services. Although the tank was pressure tested by Compton Pump Service of Bluefield, West Virginia and found not to be leaking, Cooper instructed ACES to remove it.

As removal of tank #2 proceeded, the in-place, fill material yielded a strong diesel odor. All fill and other excavated concrete and dirt with visible evidence of oily contamination were stockpiled separately. Absorbent pillow booms were placed around the stockpile to prevent the migration of leachate. The open excavation with the tank removed revealed high groundwater with an oily layer. The oily layer and water were vacuumed off using the vacuum truck and disposed at Safety-Kleen Corporation. When groundwater contamination was no longer observed, the hole was backfilled with clean fill material obtained from the Pounding Mill Quarry. The tank was cut up and, along with all excavated materials and booms, placed in a roll-off box for mixing with solidified material.

Appendix E contains copies of the manifests for all tank wastes which were disposed off site. One vacuum tank (#118) was removed during cleanup by McGraw-Edison Service and shipped to another plant for production purposes.

4.1.2 Drums (See Figure 2-1)

At the beginning of cleanup, ACES canvassed the plant and collected all aerosol cans, laboratory chemicals, 5-gallon buckets and drums of miscellaneous process materials, drums from the raw materials drum storage building, and drums that had been used for satellite accumulation of waste. The aerosol cans were placed in two drums and manifested to Environmental Enterprises in Cincinnati, Ohio for disposal. The laboratory chemicals were lab-packed in four drums and manifested to Fondessey Enterprises. An on-site waste consultant subcontracted to ACES categorized and performed compatibility testing on the miscellaneous process materials, raw materials, and satellite waste. All solvent-type material was placed in the vacuum truck, while ignitable liquids were segregated for manifesting off site to LWD in Calvert, Kentucky.

One drum of waste (#163) containing PCB was discovered in the Coil Forming Department. Also, two small capacitors were located in the plant's quality control laboratory. Both items were overpacked in drums and manifested to Environmental International Electric Service in Kansas City, Missouri.

The drum accumulation area contained approximately 113 55-gallon drums consisting primarily of trichloroethylene liquids and sludges, caustic solution and powder, and epoxy resins in semi-solid and solid form. The trichloroethylene waste was vacuumed into the vacuum truck and transported to Safety-Kleen. The caustic waste was placed in an on-site roll-off container, solidified with cement kiln dust, and disposed at Fondessey Enterprises.

A number of drums in the drum accumulation area contained epoxy resins which were hardened to the point that the normal removal procedure was impossible. In such cases, ACES cut the metal drums away from the hardened waste and placed the cut drum pieces and hardened resin in the roll-off containers for disposal along with the other solidified waste. Because of its ignitability characteristic, the semi-solid epoxy resins were manifested to LWD for disposal.

All emptied drums were crushed and placed in the roll-off containers for disposal. Any residual materials or waste on the plant floors or asphalt surface in the drum accumulation area were scraped up with hand tools and placed in the roll-off containers. All plastic covers and containment booms were managed in the same way.

Copies of the manifests for these shipments are contained in Appendix E.

4.1.3 Decontamination

All working surfaces of excavation equipment and hand tools that came in contact with waste were manually cleaned with diesel fuel and/or water. Rags and other cleanup materials, i.e., plastic, were disposed in the roll-off containers. Absorbent booms, worker clothing, and all other contaminated disposal items were similarly handled.

4.2 Phase II Cleanup

In May 1987, Cooper Industries contracted with Inland Waters Pollution Control through Dart Services, Inc. to carry out additional site cleanup activities. A brief description of the work accomplished through July 15, 1987, in various areas shown in Figure 3-1, is provided below.

4.2.1 Crane Shop No. 1 (Areas 2a and 2b)

The wood spools located on the floor in Area 2a were thrown into a roll-off container designated for disposal at Chemical Waste Management near Emelle, Alabama. Based on Phase II characterization analytical results from wood borings indicating no contamination, the spools not in touch with the floor were placed in a roll-off container for industrial solid waste disposal. Tool boxes, wooden benches, tables, etc. were either cleaned up and left or thrown into the roll-off container for disposal at Chemical Waste Management. Since all the machines tested for PCBs by wipe sampling were clean, they were steam cleaned in place and wiped down. The steam cleaning wastewater was vacuumed up and emptied into an on-site tank truck.

The floor from the entryway into Crane Shop No. 3 south all the way to the loading dock was cleaned in three steps. First, the floor was cleaned with an alkaline cleaner and commercial floor scrubbers. Second, the floor scrubber wire bristles were removed and block grinders placed on the scrubbers. The floor was then ground in a dry operation. Finally, the floor was mopped with the alkaline cleaner and clean water. The floor north of the entryway was power scrubbed with the alkaline cleaner and then mopped with the alkaline cleaner and clean water.

4.2.2 Crane Shop No. 2 (Areas 1a Through 1d)

All loose trash and materials, e.g., wood, paper, file cabinets, were removed and placed in a roll-off container designated for disposal as nonhazardous, industrial solid waste.

Shot blast around the dust collector was shoveled and swept up and placed in an overpack drum.

In Area 1b, the vault beneath tank #116 was manually cleaned using 4-inch wide scrapers. The resulting residue was placed into a roll-off container designated for hazardous waste disposal at Chemical Waste Management. After blocking off the floor drain, the vault floor was then steam cleaned. All wastewater was vacuumed up and stored in an on-site tank truck.

A water wash paint booth located in Area 1a was cut up and placed in a roll-off container destined for disposal at Chemical Waste Management. Water from the booth reservoir was placed in the on-site tank truck while sludge in the reservoir bottom was placed in a drum for temporary storage prior to testing for characterization.

In the loading bay, the floor drain channel was blocked off, sludges removed from the channel and placed in drums pending characterization, and the channel steam cleaned. Wastewater was pumped into the tank truck. A steam cleaning station for machines and salvageable equipment was then set up in the loading bay. All machines not bolted to the floor were moved, generally by existing overhead cranes, to the station, steam cleaned, and transported to Crane Shop No. 3 for storage. The machines that were bolted to the floor were cleaned in place by use of an alkaline cleaner and steam cleaner. Wastewater was vacuumed up and put into the on-site tanker.

Following all these operations, the wood block floor was removed and placed in roll-off containers for disposal at Chemical Waste Management. This removal operation included the motor dismantling area.

In the boiler and coal rooms located in the northwest corner of the building, all miscellaneous debris was removed and put into a roll-off container along with floor sweepings. The men's locker room above the boiler and coal rooms was cleaned and mopped with water.

4.2.3 Crane Shop No. 3 (Areas 3a and 3b)

The PCB analytical results for the machines and floor in this area showed low or nondetectable concentrations. Therefore, the machines were washed, steam cleaned, and coated with a rust inhibitor while the floor was simply swept. Metal shavings and turnings from machining operations were shoveled, swept up, and placed in a roll-off container for industrial solid (nonhazardous) waste disposal. A representative sample from each roll-off container was collected and analyzed before leaving the plant site. Analytical results are provided in Appendix D.

4.2.4 High Voltage (Area 4)

After removing and placing all the miscellaneous equipment and debris in a roll-off container, the floor in this area was swept, cleaned with a power scrubber using the alkaline cleaner and water, and manually mopped.

4.2.5 Purchasing (Area 10)

The floor in this area was cleaned using a power scrubber and alkaline cleaner and abrasive blocks. It was also sealed with two coats of epoxy paint.

4.2.6 Annealing Room (Area 34)

The solid residue in tank #201 was removed by shoveling, and then placed in a 55-gallon drum to await sampling, analysis, and off-site disposal. The residues in the elevator pit, and in tank #134 (Crane Shop No. 3, Area 3b) were also placed in this same drum pending characterization.

4.2.7 Inert Gas Generating Room (Area 35)

Following sampling for characterization, the contents of the one tank with liquid were pumped to the on-site tank truck along with water from the vault and sump. The vault floor was steam cleaned and mopped with the alkaline cleaner.

4.2.8 Decontamination

Representative samples of the wastewater in the on-site tank truck and the roll-off containers were collected and characterized by ALERT and are awaiting transport for off-site disposal. Manifests for these shipments are included in Appendix E.

4.3 Phase III Cleanup

Based on the Phase II characterization work, the following waste and/or equipment will be manifested to Chemical Waste Management for disposal:

- Shot blast dust (Crane Shop No. 2);
- Sludge in paint booth floor drain (Crane Shop No. 2);
- Water and sediment from 23-inch diameter sump below floor level (Crane Shop No. 3);
- Sludge from paint booth sump in northeast corner of Crane Shop No. 3;
- Tank #130 solidified resin (High Voltage);
- Additional contaminated soil around the TCE storage tank (#1);
- Loading dock sludge; and
- Elevator (lift) pit residue.

Additional cleanup may also be required based on Phase III characterization work (see Table 3-4).

5.0 CLEANUP STANDARDS

5.1 Decontamination Criteria

Table 5-1 presents the criteria against which analytical results from decontamination sampling will be compared to determine if cleanup activities were successfully completed. Criteria are given for both residual solids, rinsate water, and wipe samples, since sampling of these media will be involved in verifying decontamination.

The decontamination criteria for trichloroethylene, vinyl chloride, and PCBs are based upon calculation of practical quantitation limits from Tables 1 and 2 of Methods 8010 and 8150 in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, 2nd Edition. The calculation involves, for a specific constituent, multiplying the constituent's analytical method detection limit (Table 1) by a factor which varies with the type of sample matrix (Table 2).

Application of this calculation for trans-1,2-dichloroethylene (MDL = 0.10 μg/l and PQL factor = 500) results in a PQL of 50 μg/l. This concentration, however, is less than the recommended maximum contaminant level (RMCL) of 70 μg/l for trans-1,2-dichloroethylene in drinking water proposed by EPA on November 13, 1985 (50 FR 46936). Consequently, a decontamination criteria of ten times the RMCL or 700 μg/l is proposed. The factor of ten is reasonable when compared to the factors representing the ratio of the decontamination criteria proposed herein for trichloroethylene and vinyl chloride to their respective maximum contaminant levels (MCL) of 5 μg/l and 2 μg/l, respectively. Those factors are 12 for trichloroethylene and 45 for vinyl chloride.

The following sections describe the procedures for evaluating decontamination for various facilities.

TABLE 5-1
DECONTAMINATION CRITERIA
MCGRAW-EDISON SERVICE
BLUEFIELD, WEST VIRGINIA

Parameter	Media	Decon. Criteria	MDL	PQL Factor	SW-846 Method
PCBs	Residue	24 mg/kg	36 µg/l	670	8250
	Rinsate	360 µg/l	36 µg/l	10	8250
	Wipes	100 µg/100 cm^2			
Trichloroethylene	Residue	150 µg/kg	0.12 µg/l	1,250	8010
	Rinsate	60 µg/l	0.12 µg/l	500	8010
Vinyl chloride	Residue	225 µg/kg	0.18 µg/l	1,250	8010
	Rinsate	90 µg/l	0.18 µg/l	500	8010
Trans-1,2-dichloro-ethylene	Rinsate	700 µg/l			8010
Total metals	Residue	HCV			6010
	Rinsate	HCV			6010
EP Toxicity metals	Residue	HCV			1310
Sulfides	Rinsate	100 mg/l			9030

Note:
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
HCV = EP Toxicity Hazardous Characteristic Values
(See 40 CFR 261.24, Table 1)

5.2 Tanks

Wherever possible during Phase I cleanup activities, waste was removed from the tanks and the vessels were cut up and placed in roll-off containers for off-site disposal. In many cases, physical constraints of the tanks prohibited their dismantling and disposal, particularly when the tanks were situated below floor grade. These tanks are identified in Figure 2-1 as #116, 117, 124, 125, 129, and 132. Manual scraping of the inside walls of the tanks was carried out where physically possible. Since the residual solids were water insoluble, water washing and steam cleaning were not considered effective cleaning methods.

With two possible exceptions, Cooper proposes no further cleaning of the inside walls of the remaining tanks based on the fact that future use of the tanks will likely be the same as in the past. During negotiations with prospective buyers for the plant, Cooper will inform the buyers of the previous uses and current conditions of the tanks. To the extent possible, Cooper will confirm that a prospective buyer intends on continuing the same use of the tanks as in the past.

The virgin trichloroethylene storage tank (#1) will be checked to determine if additional cleaning will be needed. The exit valve will be opened and all residual liquid, if any, will be collected. The valve opening will be left open and any liquids on piping and valve surfaces allowed to evaporate. The probe of a photoionization detector will then be placed in the valve opening and a reading taken of total organic vapor and gas concentration. If the reading is 5 ppm greater than background, the inside of the tank will be waterwashed/hydroblasted to achieve additional cleaning. The wastewater will be collected, sampled, and analyzed either separately or in connection with

other wastewater generated during further sampling or cleanup work. The inside of the tank will then be rinsed with clean water and the rinsate sampled and analyzed for trichloroethylene. Rinsing and testing of the rinsate will be repeated until the decontamination criteria is achieved.

To determine if residual contamination remains in the trichloroethylene degreasing tank, the basket in the tank bottom will be removed and the bottom and sidewalls of the tank inspected to select an appropriate sampling technique. If solid residue is evident, a representative sample will be collected by scraping with a pre-cleaned stainless steel spatula. Discrete samples will be collected from several places on the tank bottom and sidewalls. If no solid residue is evident, the procedure described above for the virgin trichloroethylene storage tank will be followed to obtain rinsate samples. Three separate residue or rinsate samples should be collected - one for trichloroethylene and vinyl chloride analysis, one for PCB analysis, and another for total metals for the eight EP Toxicity metals.

No additional tank cleaning will be carried out if the decontamination criteria are met. If one or more of the organic constituent criteria is exceeded, the tank will be waterwashed, hydroblasted, or steam cleaned. Since residual solids will likely be removed in this cleaning step, follow-up sampling will be conducted on the rinsate. If the decontamination criteria is exceeded for a metal in a residue sample, another portion of the sample will be subjected to an EP Toxicity analysis for that metal. If the analysis yields a metal concentration greater than the EP Toxicity hazardous characteristic value for the metal, the additional cleaning steps will be carried out followed by rinsate sampling and analysis. These procedures will be repeated until

rinsate sample analytical results indicate all decontamination criteria have been met. All wastewater will be stored and disposed, either separately or collectively with other wastewater, in a manner consistent with its characterization.

The inside of the tank in the inert gas generating room which held liquid will be washed with water and the rinse water collected and analyzed for total lead. The rinsing, collection, and testing steps will be repeated until the decontamination criteria is reached.

5.3 Tank Vaults

There are four tank vaults within the plant which will be tested for residual contamination. If residual solids remain on the vault floors or walls, several discrete residue samples will be collected and composited. Should there be insufficient residue for sampling, the vault floors and walls will be waterwashed, hydroblasted, or steam cleaned and a representative sample of the rinsate waters collected for analysis. Excursions of the decontamination criteria will be managed through the same approach described for tanks. The analyses proposed to evaluate decontamination for the four vaults are presented, as follows:

Location	Analytical Parameter
Coil Forming (underneath tanks #126 & #132)	Total Lead
	Trichloroethylene
	Vinyl chloride
	PCBs

Location	Analytical Parameter
Crane Shop No. 2 (underneath tank #116)	Total lead
Crane Shop No. 2 (underneath de-greasing tank)	Trichloroethylene Vinyl chloride Total metals (for 8 EP Toxicity metals)
Below Inert Gas Generating Room	Volatile organic compounds PCBs

5.4 Sumps

There are five sumps within the plant which will require sampling and analysis to determine if decontamination has been achieved. The locations and decontamination parameters are listed below. The type of sample collected for testing in each location will be a grab sample of rinse water from the sump once the sump has been flushed and/or cleaned.

Location	Analytical Parameter
Coil Forming Vault	Trichloroethylene Vinyl chloride PCBs Total lead

Location	Analytical Parameter
Degreaser Tank Vault	Trichloroethylene Vinyl chloride Total metals
Crane Shop No. 3, SW Corner of Area 3b	PCBs Total metals
Inert Gas Generating Room Vault	PCBs Total metals
Crane Shop No. 3 - Area 3b (in front of paint booth)	PCBs Total metals (for 8 EP Toxicity metals)

5.5 Soil

On four opposite sides of the virgin trichloroethylene storage tank in the approximate sampling locations used for characterization, soil samples will be collected at 6-inch depth intervals from manually advanced soil borings. Each soil sample (approximately 300 grams) will be placed in a one-pint glass container leaving a vacant headspace of about 300 ml. The container will then be sealed with a double layer of aluminum foil and a jar ring and lid. The surface of the boring equipment will be properly decontaminated after each soil sample is collected.

The sample containers will then be stored in a constant (ambient room) temperature environment for a minimum of 2 and a maximum of 12 hours. The duration of storage is a function of the time required for all samples to reach an equilibrium temperature. Once this has been assured, a photoionization detector (PID) will be used to obtain a headspace reading of total organic vapors and gases based on a benzene calibrated standard. The procedure to be followed requires removal of the container steel lid and retainer ring, piercing of the double aluminum foil seal with the PID probe, and measuring the headspace concentration between 5 and 10 seconds after piercing the seal.

The vertical extent of volatile organic compound contamination in the soil will be considered defined at the point where the soil ambient headspace reading by PID is less than 5 ppm above a background reading for uncontaminated soil in the vicinity of the plant. The depth of soil defined as contaminated in this manner will be removed and properly disposed. The excavated area will be backfilled and compacted as necessary to support the tank foundation or otherwise render the area safe.

5.6 Drains

Due to the large number of drains serving the plant, it would be impractical to conduct comprehensive decontamination testing. However, certain drains have been identified which served areas or facilities with evidence of contamination. These drains will be manually cleaned of solid material and waterwashed, hydroblasted, and/or steam cleaned. Rinsate samples will then be collected and analyzed for decontamination parameters. The drains and parameters proposed for decontamination testing are as follows:

Location	Analytical Parameter
Crane Shop No. 2 - Area 1b (in tank #116 vault)	Total lead
Crane Shop No. 2 - Area 1d (in front of degreasing tank)	Trichloroethylene Vinyl chloride PCBs Total metals (for 8 EPA EP Toxicity metals
Storage yard - east of Area 4 (outside)	Trichloroethylene Vinyl chloride Total metals (for 8 EP Toxicity metals)

5.7 Floors and Machines

Sampling and analysis for PCBs has been completed to determine if the PCB decontamination criteria was achieved on floors in Crane Shop No. 1 (Areas 2a and 2b), High Voltage Area (Area 4), Motor Dismantling Area (Area 1d), and Purchasing (Area 10), and on the concrete slab underneath the removed wood block floor in Crane Shop No. 2 (Areas 1a through 1d). Similarly, decontamination sampling and analysis for machines in Crane Shop No. 2 (Areas 1a through 1d) and Crane Shop No. 3 (Areas 3a and 3b) has been completed. The analytical results, presented in Table 5-2, indicate these areas and machines have been properly decontaminated.

The sampling approach for this effort involved standard wipe samples collected at the same floor and machine locations as in the Phase II characterization program. Laboratory report forms and chain-of-custody records are provided in Appendix D. Further decontamination sampling and analysis for PCBs will be carried out following Phase III cleanup activities for floors in Crane Shop No. 3 (Area 3b) and the Sheet Metal Area (Area 5).

Several other floor areas inside the plant buildings and two areas outside will be sampled to evaluate whether decontamination criteria have been achieved. These areas, the sampling types, and analytical parameters are as follows:

Location	Sample Type	Analytical Parameters
Coil Forming (Area 8)*	Rinsate	Trichloroethylene
	Rinsate	Vinyl chloride
	Standard wipe	PCBs
	Rinsate	Total lead
Elevator(Lift) Pit	Standard wipe	PCBs
Loading Dock	Rinsate	Trichloroethylene
	Rinsate	Trans-1,2-dichloroethylene
	Standard wipe	PCBs
	Rinsate	Sulfides

TABLE 5-2

PCB ANALYTICAL RESULTS FOR FLOOR AND MACHINE DECONTAMINATION

SAMPLING DATE: JULY 2, 1987

MCGRAW-EDISON SERVICE

BLUEFIELD, WEST VIRGINIA

Sample Location	No. Discrete Sample/Composite	Detection Limit ($\mu g/100\ cm^2$)	Results ($\mu g/100\ cm^2$)						
			PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260
1af	8	1	ND	ND	ND	9	ND	5	ND
1bf	8	1	ND	ND	ND	5	ND	ND	3
1cf	8	19	ND	ND	ND	59	ND	ND	ND
1df	8	2	ND	ND	ND	12	ND	ND	ND
2af	8	2	ND	ND	ND	6	ND	ND	5
2bf	10	1	ND	ND	ND	2	ND	1	ND
4f	8	1	ND	ND	ND	ND	ND	ND	ND
10f	4	1	ND	ND	ND	ND	ND	ND	ND
1am	2	1	ND	ND	ND	1	ND	ND	1
1bm	3	1	ND	ND	ND	3	ND	ND	1
1dm	2	1	ND	ND	ND	4	ND	ND	1
1dfmd	5	1	ND	ND	ND	ND	ND	ND	ND
3am	3	3	ND	ND	ND	ND	ND	ND	ND
3bm	6	2	ND	ND	ND	ND	ND	ND	ND

ND = None Detected

Note: f = floor wipe sample
m = machine surface wipe sample

Analysis by Wadsworth/ALERT

ERT

Location	Sample Type	Analytical Parameters
Shot Blast Dust Collector (Area 1d)	Rinsate	Total arsenic
	Rinsate	Total cadmium
	Rinsate	Total chromium
	Rinsate	Total mercury
	Rinsate	Total lead
	Standard wipe	PCBs
Crane Shop No. 1 (Area 2a, southeast corner near entrance to Coil Dept.)	Rinsate	Total metals
Crane Shop No. 3 (in areas of metal shavings)	Rinsate	Total metals
Drum Accumulation Area*	Rinsate	Trichloroethylene
	Rinsate	Vinyl chloride
	Rinsate	Total metals
Raw Materials Drum Storage Building*	Rinsate	Trichloroethylene
	Rinsate	Vinyl chloride
	Rinsate	Total metals
Coil Department Shop No. 2* (vicinity of tinning area)	Rinsate	Total metals

*Note: Decontamination sampling and analysis is contingent upon Phase III characterization. If such characterization indicates no significant contamination, cleanup and decontamination activities will not be implemented.

6.0 CERTIFICATION

Upon completion of cleanup and decontamination activities, a professional engineer registered in the State of West Virginia will certify, to the extent possible based on his observations and knowledge of the work, that the satellite drums, drum accumulation area, raw materials drum storage building, tanks, and other areas which exhibited contamination, were properly managed and decontaminated in accordance with the approved cleanup plan. Cooper Industries will provide a similar certification.

7.0 SCHEDULE

Activities to Date

Inventorying and sampling by Belpar	10/7-9/86
Mobilization by ACES	11/4/86
Analytical work completed by Technical Testing Laboratory	10/31/86
West Virginia DNR site visit	11/6/86
Roll-off container of solidified waste shipped (Manifest #1)	11/21/86
Two overpacked drums of PCB-contaminated waste shipped (Manifest #2)	12/1/86
Roll-off container of solidified waste shipped (Manifest #3)	12/3/86
Roll-off container of solidified waste shipped (Manifest #4)	12/4/86
Roll-off container of solidified waste shipped (Manifest #5)	12/10/86
42 drums of waste oil, solvents, paints, and diesel fuel shipped (Manifest #6)	12/11/86
2 drums of aerosol cans shipped (Manifest #7)	12/11/86
4 lab-pack drums shipped (Manifest #8)	12/11/86
Vacuum truck with trichloroethylene waste left site (Manifest #9)	2/16/87
Roll-off container of solidified waste shipped (Manifest #10)	2/17/87
2 roll-off containers of solidified waste shipped (Manifests #12 and #13	2/26/87
Roll-off container of solidified waste shipped (Manifest #14)	2/28/87

Activities to Date

45 drums of epoxy resin waste shipped (Manifest #15)	3/24/87
ACES demobilization	3/24/87
Initial Phase II characterization study by ACES	3/26/87
Cooper submittal of Site Cleanup Plan for WV DNR review	4/6/87
Request for quotations for Phase II characterization and cleanup	5/6/87
Mechanical inspection of overhead cranes in plant	5/26/87
Inland Waters Pollution Control (IWPC) mobilized	6/3/87
WV DNR site visit	6/4/87
IWPC on site; began work on Crane Shop, hi-voltage, purchasing	6/5/87
IWPC began steam cleaning machines in loading bay	6/6/87
Meeting with WV DNR to receive initial comments on Site Cleanup Plan	6/9/87
Shipped samples of pallets, spools, (3) roll-off hoppers, and miscellaneous unsampled materials to ALERT	6/12/87
IWPC began cleaning Crane Shop	6/15/87
Shipped samples of previously unsampled wastes to ALERT	6/17/87
Shipped (4) dump trailers of wood block flooring and miscellaneous PCB-contaminated waste to Emelle. (Manifest # 356980, 356978, 356977, 356976)	6/23/87

Activities to Date

Shipped (2) dump trailers of contaminated materials to Emelle. (Manifest # 356982, 332985)	6/24/87
Shipped samples of previously untested wastes and rinse water from cleaning operations	6/24/87
IWPC left site	6/24/87
Shipped samples of previously unsampled wastes, and confirmatory samples of cleaned areas and equipment	7/2/87
Letter from WV DNR with written review comments on Site Cleanup Plan	7/7/87
IWPC came back on site to do additional cleaning in Crane Shop Nos. 1 and 2	7/21/87
IWPC demobilized	7/23/87
Shipped confirmatory samples of floor, machines, walls	7/23/87
Cooper submittal of revised Site Cleanup Plan for WV DNR review and public notice	8/17/87

Future Activities

Site Cleanup Plan available for public notice	2 weeks
Site Cleanup Plan public notice period ends	6 weeks
WV DNR completes review Site Cleanup Plan	8 weeks
Cooper submittal of further revisions to Site Cleanup Plan (if necessary)	10 weeks
WV DNR approval of Site Cleanup Plan	14 weeks

Future Activities

Cooper awards contract for implementing revised Site Cleanup Plan	18 weeks
Cooper issues contractor notice to proceed	19 weeks
Contractor mobilization	21 weeks
Contractor completes work	25 weeks
Contractor demobilization	26 weeks
P.E. and Cooper certification of cleanup submitted to WV DNR	28 weeks
WV DNR site visit	29 weeks
WV DNR approval of Site Cleanup	33 weeks

NOTE: Time estimates for all Future Activities are measured from the date of Cooper's submittal of revised Site Cleanup Plan to WV DNR.

APPENDIX A
INVENTORY, SAMPLING, AND ANALYSIS RESULTS
(PHASE I)

CONTAINER/TANK PROFILE SHEET

RECEIVED

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

1. Control number [B1]
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: good
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☒ known; describe: Product tank storage / TCE
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: clear
8. odor: ☐ none ☒ mild ☐ strong; describe: organics
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: 50 - 100 gal
13. MSDS available: ☐ yes ☐ no
14. comments: _____

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

OCT 16 1986

LABORATORY ANALYSIS REPORT

Technical Testing Laboratories Inc.

Cooper Industries

B-1 TCE Storage Tank [Virgin]

Sampled By: Belpar Chemical Serv.

LAB. NO. G1298

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED --

ANALYST --

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

NO ANALYSIS REQUESTED

RESPECTFULLY SUBMITTED: B.S. Sahlc

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number [B1 A]
2. ☐ drum ☐ tank ☐ other; specify: Soil
3. condition; describe: _____
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☒ known; describe: _____
   oil & suspected product contamination of ground
6. ☒ solid ☐ semi-solid ☐ liquid ☐ powder
7. color; describe: dark oily color
8. odor: ☒ none ☐ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: _____
13. MSDS available: ☐ yes ☐ no
14. comments: _____

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B1A

LAB. NO. G1298

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986 t
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 31 1986

PARAMETERS	
pH, Standard Units [on 10% Solution]	11.2
Oil & Grease	<5
Total Organic Carbon, %	0.4 *
Flash Point, [Pensky-Martens] °F	>210
Total Cyanide	<0.2
Total Sulfide	<0.2

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

RECEIVED
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BRISTOL MANAGEMENT AND ENVIRONMENTAL AFFAIRS

Cooper Industries

LAB NO. G1299

DATE SAMPLED 10/8/1986

B-1A, Soil Around TCE Storage Tank

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 t 10/14/1986

Sampled By: Belpar Chemical Serv.

ANALYST MS - WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

Sample Phase	x Solid __ Sludge __ Liquid
Suspended Solids, %	__ <0.5 x >0.5
Sample Treatment	x Extracted & Filtered __ Filtered

IGNITABILITY--Flash Point, (Perskey-Martens), F N/A

CORROSIVITY N/A

REACTIVITY N/A

PCB's, ug/g 3 [Aroclor 1254]

Trichloroethylene Results to follow.

E. P. TOXICITY*

Contaminant	
Arsenic	<0.005
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	0.19
Mercury	<0.05
Selenium	<0.005
Silver	<0.06

RESPECTFULLY SUBMITTED: B.S. Solly

* Determinations for E.P.Toxicity, as outlined in EPA Publication SW-846, Test Methods for Evaluating Solid Waste, 2nd Ed., Revised 1984

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

OCT 3 1986

LABORATORY ANALYSIS REPORT

chnical
sting
boratories Inc.

COOPER INDUSTRIES

LAB. NO. G1299

DATE SAMPLED 10/8/1986

B-1A, Soil Around TCE Storage Tank

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986
10/14/1986

Sampled By: Belpar Chemical Serv.

ANALYST MS,WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

Sample Phase
- x Solid
- __ Sludge
- __ Liquid

Suspended Solids, %
- __ <0.5
- x >0.5

Sample Treatment
- x Extracted & Filtered
- __ Filtered

IGNITABILITY--Flash Point, (Perskey-Martens), F N/A

CORROSIVITY N/A

REAFCTIVITY N/A

PCB's, ug/g 3 [Aroclor 1254]

TRICHLOROETHYLENE, ug/g 820

E. P. TOXICITY*

Contaminant	
Arsenic	<0.005
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	0.19
Mercury	<0.05
Selenium	<0.005
Silver	<0.06

RESPECTFULLY SUBMITTED:

* Determinations for E.P.Toxicity, as outlined in EPA Publication SW-846, Test Methods for Evaluating Solid Waste, 2nd Ed., Revised 1984

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number [B2]
2. ☐ drum ☒ tank ☐ other; specify: underground
3. condition; describe: _____
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☒ known; describe: diesel or gas storage tank
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: yellow to light amber
8. odor: ☐ none ☒ mild ☐ strong; describe: ~~[illegible]~~ or diesel smell
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: unknown
13. MSDS available: ☐ yes ☐ no
14. comments: suppose to be gasoline storage tank yet sample smelled more of diesel fuel

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-2, Underground Tank @ Gate

Virgin Diesel.

Sampled By: Belpar Chemical Serv.

LAB. NO. G1300

DATE SAMPLED 10/8/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 t
10/14/1986

ANALYST MS-WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

PARAMETERS	
Flash Point [Closed Cup], °F	78
PCB's, ug/g	<1

Chlorinated Solvent Scan, ug/g

Methylene chloride	<2
Chloroform	<2
1,1,1-Trichloroethane	<2
Carbon Tetrachloride	<2
Trichloroethene	12
Tetrachloroethene	<2

RESPECTFULLY SUBMITTED: B. S. Sahi

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B114
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: _____
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☒ unknown ☐ known; describe: _____
6. ☒ solid ☐ semi-solid ☐ liquid ☐ powder
7. color; describe: white powder
8. odor: ☒ none ☐ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☒ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: _____
13. MSDS available: ☐ yes ☐ no
14. comments: caustic solid waste storage tank outside fence

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-114 Caustic Tank Outside

Fence

Sampled By: Belpar Chemical Serv.

LAB. NO. G1307

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 t
10/14/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

PARAMETERS

pH, Standard Units	9.92

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RISK MANAGEMENT AND
ENVIRONMENTAL AFFAIRS

RESPECTFULLY SUBMITTED: B.S. Sahs

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B114

LAB. NO. G1307

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 31 1986

PARAMETERS	
Arsenic	1.9
Barium	45
Cadmium	1.45
Total Chromium	6.5
Hexa. Chromium	2.3
Lead	180
Mercury	<0.2
Selenium	<0.2
Silver	1.3
Total Organic Carbon, %	4.2 *

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number [Bill6]
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: fair
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☐ known; describe: _____
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: cream
8. odor: ☐ none ☒ mild ☐ strong; describe: solvent
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☒ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: tank ≈ 4 x 2 x 2 with waste
13. MSDS available: ☐ yes ☐ no
14. comments: _____

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-116 Epoxy Tank [inside] Virgin

Sampled By: Belpar Chemical Serv.

LAB. NO. G1309

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED --

ANALYST --

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

NO ANALYSIS REQUESTED

RECEIVED
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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

RESPECTFULLY SUBMITTED: B. Sahlfs

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B117 /B118
2. ☐ drum ☒ tank ☐ other; specify: composite
3. condition; describe: fair
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☐ known; describe:
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: light brown
8. odor: ☐ none ☐ mild ☒ strong; describe: varnish
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: unable to see whole tank
13. MSDS available: ☐ yes ☐ no
14. comments:

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-117/B-118 Varnish Tank Virgin

Sampled By: Belpar Chemical Serv.

LAB. NO. G1310

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED --

ANALYST --

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

NO ANALYSIS REQUESTED

RECEIVED
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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

RESPECTFULLY SUBMITTED: R.S. [signature]

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B117/B118

LAB. NO. G1310

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 3 1 1986

PARAMETERS

pH, Standard Units		**
Arsenic		<0.2
Barium		40
Cadmium		0.31
Total Chromium		<0.5
Hexa. Chromium		<0.5
Lead		10
Mercury		<0.5
Selenium		<0.2
Silver		<0.5
Ash, %		0.07
Flash Point, [Pensky-Martens]	°F	121
Total Organic Carbon, %		25 *

CHLORINATED SOLVENT SCAN

Methylene Chloride, ug/g	<20
Chloroform, ug/g	<5
1,1,1-Trichloroethane, ug/g	<5
Carbon Tetrachloride, ug/g	<5
Trichloroethene, ug/g	<5
Tetrachloroethene, ug/g	<5

** Due to nature of sample this test could not be performed.

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B119/B120
2. ☐ drum ☒ tank ☐ other; specify: composite
3. condition; describe: fair
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☒ known; describe:
   general varnish area use
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: brown
8. odor: ☐ none ☐ mild ☒ strong; describe: varnish
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: 75 gallons
13. MSDS available: ☐ yes ☐ no
14. comments:

---

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

technical testing laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-119/B-120 Varnish Tank Virgin

Sampled By: Belpar Chemical Serv.

LAB. NO. G1311

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 t
10/14/1986

ANALYST MS-WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

IGNITABILITY--Flash Point, (Perskey-Martens), ° F 78

pH, Standard Units *	
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<5

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

Contaminant	
Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	1.37
Mercury	<0.05
Selenium	<0.05
Silver	<0.06

* Due to nature of sample, this test could not be performed.

RESPECTFULLY SUBMITTED: B. S. [signature]

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

LABORATORY ANALYSIS REPORT

Technical Testing Laboratories Inc.

COOPER INDUSTRIES

B119/B120

LAB. NO. G1311

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 1 1986

PARAMETERS	
Total Organic Carbon, %	25 *

CHLORINATED SOLVENT SCAN	
Methylene Chloride, ug/g	<20
Chloroform, ug/g	<5
1,1,1-Trichloroethane, ug/g	<5
Carbon Tetrachloride, ug/g	<5
Trichloroethene, ug/g	<5
Tetrachloroethene, ug/g	<5

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

DRUM/TANK PROFILE SHEET

1. Control number B121 | B122
2. ☐ drum ☐ tank ☐ other; specify: _____
3. condition; describe: _____
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☐ known; describe: _____
6. ☐ solid ☐ semi-solid ☐ liquid ☐ powder
7. color; describe: _____
8. odor: ☐ none ☐ mild ☐ strong; describe: _____
9. ☐ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: _____
13. MSDS available: ☐ yes ☐ no
14. comments: ~~[illegible]~~ material too hardened to draw sample out of tank
    material probably varnish

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

CONTAINER/TANK PROFILE SHEET

1. Control number [B123]
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: fair
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☐ known; describe: _____
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: cream
8. odor: ☐ none ☒ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: ≈ 300 - 500 gallons
13. MSDS available: ☐ yes ☐ no
14. comments: polyester resins

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Fax

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

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LABORATORY ANALYSIS REPORT

Cooper Industries

B-123 Polyester resin tank

Sampled By: Belpar Chemical Serv.

LAB. NO. G1312

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986
10/14/1986

ANALYST MS - WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED. < = LESS THAN

IGNITABILITY--Flash Point, (Perskey-Martens), °F 78

pH, Standard Units	*
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<1

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ENVIRONMENTAL AFFAIRS

Contaminant

Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	1.1
Mercury	<0.05
Selenium	<0.05
Silver	<0.06

* Due to nature of sample, this test could not be performed.

RESPECTFULLY SUBMITTED: B. S. Sahi

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B123

LAB. NO. G1312

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 3 1 1986

PARAMETERS

Total Organic Carbon, %	70 *

CHLORINATED SOLVENT SCAN

Methylene Chloride, ug/g	<20
Chloroform, ug/g	<5
1,1,1-Trichloroethane, ug/g	<5
Carbon Tetrachloride, ug/g	<5
Trichloroethene, ug/g	<5
Tetrachloroethene, ug/g	<5

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

1. Control number [B124]
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: good
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☒ known; describe: varnish use
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: brown
8. odor: ☐ none ☒ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: see 14
13. MSDS available: ☐ yes ☐ no
14. comments: varnish tank
    size of tank or amount of content unable to be determined

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-124 Varnish Tank Virgin

Sampled By: Belpar Chemical Serv.

LAB. NO. G1313

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED --

ANALYST --

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

NO ANALYSIS REQUESTED

RECEIVED
OCT 16 1986
RISK MANAGEMENT AND
ENVIRONMENTAL AFFAIRS

RESPECTFULLY SUBMITTED: B. S. Daly

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B124

LAB. NO. G1313

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 5 1986

PARAMETERS		
Flash Point [Pensky-Martens]	°F	87
Arsenic		<0.2
Barium		30
Cadmium		0.31
Total Chromium		<0.5
Hexa. Chromium		<0.5
Lead		10
Mercury		<0.5
Selenium		<0.2
Silver		<0.5
Total Organic Carbon, %		70 *

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER WASTE PROFILE SHEET

1. Control number B125
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: good
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☒ known; describe: general varnish use
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color: describe: brown
8. odor: ☐ none ☐ mild ☒ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: See 14
13. MSDS available: ☐ yes ☐ no
14. comments: size of tank or amount of contents unable to be determined

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Init

20. delivery arranged: date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

LAB. NO. G1314

DATE SAMPLED 10/9/1986

B-125 Varnish Tank Virgin

DATE RECEIVED 10/10/1986

DATE ANALYZED --

Sampled By: Belpar Chemical Serv.

ANALYST --

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

NO ANALYSIS REQUESTED

RECEIVED
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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

RESPECTFULLY SUBMITTED: B.S. [illegible]

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Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B125

LAB. NO. G1314

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

PARAMETERS

Flash Point, [Pensky-Martens] °F	105
Arsenic	<0.2
Barium	<2
Cadmium	0.15
Total Chromium	<0.5
Hexa. Chromium	<0.5
Lead	30
Mercury	<0.5
Selenium	<0.2
Silver	<0.5
Total Organic Carbon, %	34 *

CHLORINATED SOLVENT SCAN

Methylene Chloride, ug/g	<20
Chloroform, ug/g	<5
1,1,1-Trichloroethane, ug/g	<5
Carbon Tetrachloride, ug/g	<5
Trichloroethene, ug/g	130
Tetrachloroethene, ug/g	<5

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B126
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: good
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☒ known; describe: general varnish use
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: cream
8. odor: ☐ none ☒ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: ≈ 30-40 gal
13. MSDS available: ☐ yes ☐ no
14. comments: _____

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-126 Varnish Tank Virgin

Sampled By: Belpar Chemical Serv.

LAB. NO. G1315

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED --

ANALYST --

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

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OCT 16 1986
RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

NO ANALYSIS REQUESTED

RESPECTFULLY SUBMITTED: B. S. [illegible]

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B126

LAB. NO. G1315

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 6 1986
RISK MANAGEMENT AND
ENVIRONMENTAL AFFAIRS

PARAMETERS		
Total Organic Carbon, %		8 *
Flash Point [Pensky-Martens]	°F	>210

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number [B127]
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: _____
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☐ known; describe: _____
6. ☐ solid ☐ semi-solid ☐ liquid ☐ powder
7. color; describe: _____
8. odor: ☐ none ☐ mild ☐ strong; describe: _____
9. ☐ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: _____
13. MSDS available: ☐ yes ☐ no
14. comments: _____
    material to hardened to draw sample

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

CONTAINER/TANK PROFILE SHEET

1. Control number B128
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: good
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☐ known; describe: varnish use
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: amber
8. odor: ☐ none ☒ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: ≈ 50 gal
13. MSDS available: ☐ yes ☐ no
14. comments: _____

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

LABORATORY ANALYSIS REPORT

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Cooper Industries

B-128 Varnish tank virgin

Sampled By: Belpar Chemical Serv.

LAB. NO. G1316

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986
10/14/1986

ANALYST MS-WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

IGNITABILITY--Flash Point, (Perskey-Martens), °F 80

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ENVIRONMENTAL AFFAIRS

pH, Standard Units	*
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<1

Contaminant	
Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	2.7
Mercury	<0.05
Selenium	<0.05
Silver	<0.06

* Due to nature of sample, this test could not be performed.

RESPECTFULLY SUBMITTED: B.S. Sahy

S GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B128

LAB. NO. G1316

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 5 1 1986
RISK MANAGEMENT AND ENVIRONMENTAL

PARAMETERS	
Total Organic Carbon, %	70 *

CHLORINATED SOLVENT SCAN	
Methylene Chloride, ug/g	<20
Chloroform, ug/g	<5
1,1,1-Trichloroethane, ug/g	<5
Carbon Tetrachloride, ug/g	<5
Trichloroethene, ug/g	530
Tetrachloroethene, ug/g	<5

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B134 | B132 (129)
2. ☐ drum ☒ tank ☐ other; specify: composite
3. condition; describe: good
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☒ known; describe: general plant varnish use
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: white
8. odor: ☐ none ☒ mild ☐ strong; describe:
9. ☐ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: ≈ 50 gal
13. MSDS available: ☐ yes ☐ no
14. comments:

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-129/B-132 Varnish tanks

Sampled By: Belpar Chemical Serv.

LAB. NO. G1317

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986
10/14/1986

ANALYST MS-WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

IGNITABILITY--Flash Point, (Perskey-Martens), °F 81

pH, Standard Units *	
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<1

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

Contaminant	
Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	1.5
Mercury	<0.05
Selenium	<0.05
Silver	<0.06

* Due to nature of sample, this test could not be performed.

RESPECTFULLY SUBMITTED: B. S. Daly

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LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B129/B132

LAB. NO. G1317

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 31 1986
RISK MANAGEMENT AND
ENVIRONMENTAL AFFAIRS

PARAMETERS	
Total Organic Carbon, %	40 *

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number [B130 | B131]
2. ☐ drum ☒ tank ☐ other; specify: _____
3. condition; describe: _____
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☐ known; describe: _____
   tank of RESIN High Voltage Area
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: bluish
8. odor: ☐ none ☐ mild ☒ strong; describe: antifreeze
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: unknown
13. MSDS available: ☐ yes ☐ no
14. comments: Sample is of ~~antifreeze~~ insulation (ethylene glycol) around tank / actual contents of tank was too hardened to sample

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-130/B-131 Ethylene Glycol

[tank jackets]

Sampled By: Belpar Chemical Serv.

LAB. NO. G1318

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986
10/14/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

IGNITABILITY--Flash Point, (Perskey-Martens), °F 78

pH, Standard Units *	
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<1

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

Contaminant	
Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	15
Mercury	<0.005
Selenium	<0.05
Silver	<0.06

* Due to nature of sample, this test could not be performed.

RESPECTFULLY SUBMITTED: B. S. Daly

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LABORATORY ANALYSIS REPORT

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COOPER INDUSTRIES		LAB. NO.	G1318
		DATE SAMPLED	--
B130/B131		DATE RECEIVED	10/10/1986
		DATE ANALYZED	10/28/1986 10/30/1986
		ANALYST	MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 5 1986
RI... ENVIRONMENTAL AFFAIRS

PARAMETERS

Total Organic Carbon, % 22 *

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B3-B29/B55/B56
2. ☒ drum ☐ tank ☐ other; specify: composite of TCE waste & sludge
3. condition; describe: rusted and deteriorating ~~[illegible]~~
4. for drums only: ☒ open top ☐ closed top ☒ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☒ known; describe:
   partially TCE washdown tank inside plant
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: light green to dark amber and black
8. odor: ☐ none ☒ mild ☐ strong; describe: oily solvent
9. ☐ single phased ☒ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: 1130 gal
13. MSDS available: ☐ yes ☐ no
14. comments: drum sheet attached

---

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

OCT 27 1986 Drum Stats on TCE waste and sludge

RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

B3	40 gal	liquid
B4	55 gal	70% liquid 30% sludge
B5	55 gal	liquid
B6	55 "	liquid
B7	40 "	liquid
B8	20 "	liquid
B9	55 "	"
B10	40 "	"
B11	55 "	50% liquid 50% sludge
B12	20 "	liquid
B13	55 "	"
B14	20 "	"
B15	55 "	"
B16	55 "	"
B17	55 "	25% liquid 75% sludge
B18	55 "	" " " "
B19	25 "	liquid
B20	40 "	"
B21	55 "	"
B22	55 "	30% liquid 70% sludge
B23	20 "	liquid
B24	55 "	"
B25	15 "	"
B26	15 "	"
B27	25 "	"
B28	55 "	"
B29	20 "	"
B55	25 "	"
B56	5 "	"

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LABORATORY ANALYSIS REPORT

Cooper Industries

B-3, B-29, B-55, B-56 Drums of

Waste TCE Sludge

Sampled By: Belpar Chemical Serv.

LAB. NO. G1301

DATE SAMPLED 10/8/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 t
10/14/1986

ANALYST MS-WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

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OCT 16 1986
RISK MANAGEMENT AND
ENVIRONMENTAL AFFAIRS

Sample Phase
__Solid
__Sludge
x Liquid

Suspended Solids, %
x <0.5
__>0.5

Sample Treatment
__Extracted & Filtered
x Filtered

IGNITABILITY--Flash Point, (Perskey-Martens), °F 78

pH, Standard Units	4.63
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	**

E. P. TOXICITY*

Contaminant	
Arsenic	0.015
Barium	<0.5
Cadmium	1.00
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	0.56
Mercury	<0.05
Selenium	0.008
Silver	<0.06

Chlorinated Solvent Scan, ug/g	
Methylene Chloride	<1000
Chloroform	<1000
1,1,1-Trichloroethane	84,000
Carbon Tetrachloride	<1000
Trichloroethene	950,000
Tetrachloroethene	2000

** RESULTS TO FOLLOW.

RESPECTFULLY SUBMITTED: B.S. [signature]

* Determinations for E.P.Toxicity, as outlined in EPA Publication SW-846, Test Methods for Evaluating Solid Waste, 2nd Ed., Revised 1984

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LABORATORY ANALYSIS REPORT

OCT 31 1986

COOPER INDUSTRIES

LAB. NO. G1301

DATE SAMPLED 10/8/1986

B-3, B-29, B-55, B-56 Drums of

DATE RECEIVED 10/10/1986

Waste TCE Sludge

DATE ANALYZED 10/10/1986
10/14/1986

Sampled By: Belpar Chemical Serv.

ANALYST MS,WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

Sample Phase	__Solid __Sludge x Liquid
Suspended Solids, %	x <0.5 __>0.5
Sample Treatment	__Extracted & Filtered x Filtered

IGNITABILITY--Flash Point, (Perskey-Martens), F 78

pH, Standard Units	4.63
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<50**

E. P. TOXICITY*

Contaminant	
Arsenic	0.015
Barium	<0.5
Cadmium	1.00
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	0.56
Mercury	<0.05
Selenium	<0.008
Silver	<0.06

Chlorinated Solvent Scan, ug/g	
Methylene Chloride	<1,000
Chloroform	<1,000
1,1,1-Trichloroethane	84,000
Carbon Tetrachloride	<1,000
Trichloroethene	950,000
Tetrachloroethene	2,000

** Lower Detection Limit Could Not be Attained Due to Matrix Interference.

RESPECTFULLY SUBMITTED:

* Determinations for E.P.Toxicity, as outlined in EPA Publication SW-846, Test Methods for Evaluating Solid Waste, 2nd Ed., Revised 1984

CONTAINER/TANK PROFILE SHEET

1. Control number B30 - B54
2. ☒ drum ☐ tank ☐ other; specify: composite waste TCE & sludge
3. condition; describe: rusted & deteriorated unable to loosen bungs on majority
4. for drums only: ☒ open top ☐ closed top ☒ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☒ known; describe: TCE washdown tank
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: clear to dark amber and black
8. odor: ☐ none ☒ mild ☐ strong; describe:
9. ☐ single phased ☒ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: 1440 gal
13. MSDS available: ☐ yes ☐ no
14. comments: drum stat chart attached

---

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

Drum Staty waste TCE & sludge

B30	40 gal	70% liquid 30% sludge
B31	40 "	30% liquid 70% sludge
B32	55 "	liquid
B33	55 "	50% liquid 50% sludge
B34	15 "	liquid
B35	10 "	"
B36	55 "	20% liquid 80% sludge
B37	40 "	liquid
B38	45 "	"
B39	55 "	"
B40	55 "	"
B41	15 "	"
B42	55 "	30% liquid 70% sludge
B43	55 "	liquid
B44	55 "	"
B45	45 "	"
B46	55 "	"
B47	15 "	"
B48	5 "	"
B49	55 "	"
B50	15 "	"
B51	20 "	"
B52	15 "	"
B53	55 "	"
B54	5 "	"
	1440 gal	

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iboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries — LAB. NO. G1302

DATE SAMPLED 10/8/1986

B-30 & B-54 Drums of Waste TCE — DATE RECEIVED 10/10/1986

Sludge — DATE ANALYZED 10/10/1986 1
10/14/1986

Sampled By: Belpar Chemical Serv. — ANALYST MS-WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

RECEIVED
OCT 16 1986
RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

Sample Phase
__ Solid
__ Sludge
x Liquid

Suspended Solids, %
x <0.5
__ >0.5

Sample Treatment
__ Extracted & Filtered
x Filtered

IGNITABILITY--Flash Point, (Perskey-Martens), °F 78

pH, Standard Units	7.63
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	**

E. P. TOXICITY*

Contaminant	
Arsenic	<0.005
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	<0.1
Mercury	<0.05
Selenium	<0.005
Silver	<0.06

Chlorinated Solvent Scan, ug/g	
Methylene Chloride	**
Chloroform	**
1,1,1-Trichloroethane	**
Carbon Tetrachloride	**
Trichloroethene	**
Tetrachloroethene	**

** RESULTS TO FOLLOW.

RESPECTFULLY SUBMITTED: D.S. Daly

* Determinations for E.P.Toxicity, as outlined in EPA Publication SW-846, Test Methods for Evaluating Solid Waste, 2nd Ed., Revised 1984

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

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LABORATORY ANALYSIS REPORT

OCT 31 1986

COOPER INDUSTRIES

LAB. NO. G1302

DATE SAMPLED 10/8/1986

B-30 & B-54 Drums of Waste TCE

DATE RECEIVED 10/10/1986

Sludge

DATE ANALYZED 10/10/1986 to 10/14/1986

Sampled By: Belpar Chemical Serv.

ANALYST MS,WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

Sample Phase
__ Solid
__ Sludge
x Liquid

Suspended Solids, %
x <0.5
__ >0.5

Sample Treatment
__ Extracted & Filtered
x Filtered

IGNITABILITY--Flash Point, (Perskey-Martens), F 78

pH, Standard Units	7.63
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<80**

E. P. TOXICITY*

Contaminant	
Arsenic	<0.005
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	<0.1
Mercury	<0.05
Selenium	<0.005
Silver	<0.06

Chlorinated Solvent Scan, ug/g	
Methylene Chloride	17,000
Chloroform	12,800
1,1,1-Trichloroethane	72,000
Carbon Tetrachloride	<1,000
Trichloroethene	876,000
Tetrachloroethene	2,000

** Lower Detection Limit Could Not be Attained Due to Matrix Interference.

RESPECTFULLY SUBMITTED:

* Determinations for E.P.Toxicity, as outlined in EPA Publication SW-846, Test Methods for Evaluating Solid Waste, 2nd Ed., Revised 1984

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B57 / B58
2. ☒ drum ☐ tank ☐ other; specify: _____
3. condition; describe: fair
4. for drums only: ☒ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☒ unknown ☐ known; describe: _____
6. ☒ solid ☐ semi-solid ☐ liquid ☐ powder
7. color; describe: white powder
8. odor: ☒ none ☐ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☒ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: ¼ drum
13. MSDS available: ☐ yes ☐ no
14. comments: _____

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries — LAB. NO. G1303

DATE SAMPLED 10/8/1986

B-57 & B-58 Caustic Drums — DATE RECEIVED 10/10/1986

[Powder] — DATE ANALYZED 10/10/1986 t 10/14/1986

Sampled By: Belpar Chemical Serv. — ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

PARAMETERS	
pH, Standard Units [10% Slurry]	9.98

RESPECTFULLY SUBMITTED: B. S. Sabik

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Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B57/B58

LAB. NO. G1303

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986 t
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 5 1986

PARAMETERS	
Arsenic	2.1
Barium	1,300
Cadmium	0.84
Total Chromium	100
Hexa. Chromium	24
Lead	980
Mercury	<0.2
Selenium	<0.2
Silver	0.9
Chlorides	5,000

Water Reactivity: Partially Soluble in Water Without Any Reaction.

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B59/B60
2. ☒ drum ☐ tank ☐ other; specify: _____
3. condition; describe: fair
4. for drums only: ☒ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☒ unknown ☐ known; describe: _____
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: milky
8. odor: ☒ none ☐ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: 12
12. estimated volume of contents: 1/4 drum
13. MSDS available: ☐ yes ☐ no
14. comments: _____

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-59 & B-60 Caustic Drums

[solution]

Sampled By: Belpar Chemical Serv.

LAB. NO. G1304

DATE SAMPLED 10/8/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 t
10/14/1986

ANALYST MS - WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

PARAMETERS

pH, Standard Units	10.64
PCB's, ug/g	<1

Contaminant

Arsenic	0.14
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	0.53
Mercury	<0.05
Selenium	0.089
Silver	0.15

RESPECTFULLY SUBMITTED: B.S. Sahjc

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B59/B60

LAB. NO. G1304

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 31 1986
RICHMOND AGENCY AND ENVIRONMENTAL AFFAIRS

PARAMETERS

Total Organic Carbon, %	3.8 *
Flash Point [Pensky-Martens] °F	>210

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B61-B87
2. ☒ drum ☐ tank ☐ other; specify: composite
3. condition; describe: fair
4. for drums only: ☒ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: plastic over top waste / no tops
5. process generating waste: ☐ unknown ☐ known; describe:
   General resins use
6. ☒ solid ☐ semi-solid ☐ liquid ☐ powder
7. color; describe: light brown
8. odor: ☒ none ☐ mild ☐ strong; describe:
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☒ no; estimate %:
11. Ph:
12. estimated volume of contents: see 14
13. MSDS available: ☐ yes ☐ no
14. comments: All drums 3/4 full

---

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

LABORATORY ANALYSIS REPORT

Technical Testing Laboratories Inc.

Cooper Industries

B-61 & B-87 Epoxy resin at drum storage pad [solids]

Sampled By: Belpar Chemical Serv.

LAB. NO. G1305

DATE SAMPLED 10/8/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 t 10/14/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

Sample Phase
x Solid
__ Sludge
__ Liquid

Suspended Solids, %
__ <0.5
x >0.5

Sample Treatment
x Extracted & Filtered
__ Filtered

IGNITABILITY--Flash Point, (Perskey-Martens), ° F 94

Sulfide	<0.2
Cyanide	<0.2

E. P. TOXICITY*

Contaminant	
Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	<0.1
Mercury	<0.05
Selenium	<0.05
Silver	<0.05

RESPECTFULLY SUBMITTED: B. S. Daly

* Determinations for E.P.Toxicity, as outlined in EPA Publication SW-846, Test Methods for Evaluating Solid Waste, 2nd Ed., Revised 1984

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B61/B87

LAB. NO. G1305

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/29/1986

ANALYST RM

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 5 1986
RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

CHLORINATED SOLVENT SCAN

Methylene Chloride, ug/g	<20
Chloroform, ug/g	<5
1,1,1-Trichloroethane, ug/g	<5
Carbon Tetrachloride, ug/g	<5
Trichloroethene, ug/g	<5
Tetrachloroethene, ug/g	<5

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number 888 - B113
2. ☒ drum ☐ tank ☐ other; specify: composite
3. condition; describe: fair
4. for drums only: ☒ open top ☐ closed top ☒ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☐ known; describe:
   general resins waste
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: tan
8. odor: ☒ none ☐ mild ☐ strong; describe:
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: 1125 gallons
13. MSDS available: ☐ yes ☐ no
14. comments: all drums ≈ 45 gal. full

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-88 & B-113 Epoxy resins at storage pad [liquid]

Sampled By: Belpar Chemical Serv.

LAB. NO. G1306

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986
10/14/1986

ANALYST MS - WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

IGNITABILITY--Flash Point, (Perskey-Martens), °F 80

pH, Standard Units *	
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<1

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

Contaminant	
Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	2.5
Mercury	<0.05
Selenium	<0.05
Silver	<0.06

* Due to nature of sample, this test could not be performed.

RESPECTFULLY SUBMITTED: B. S. Daly

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304-346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B88/B113

LAB. NO. G1306

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/29/1986

ANALYST RM

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 3 1 1986
RISK MANAGEMENT AND
ENVIRONMENTAL AFFAIRS

CHLORINATED SOLVENT SCAN

Methylene Chloride, ug/g	<20
Chloroform, ug/g	<5
1,1,1-Trichloroethane, ug/g	<5
Carbon Tetrachloride, ug/g	<5
Trichloroethene, ug/g	380
Tetrachloroethene, ug/g	<5

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B115
2. ☒ drum ☐ tank ☐ other; specify: _____
3. condition; describe: good
4. for drums only: ☐ open top ☐ closed top ☒ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☒ known; describe: Spent Product
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: clear
8. odor: ☐ none ☐ mild ☒ strong; describe: Ammonia
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: 40 gal
13. MSDS available: ☐ yes ☐ no
14. comments: Ammonia in drum

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-115 Ammonia Drum

Sampled By: Belpar Chemical Serv.

LAB. NO. G1308

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 t
10/14/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

PARAMETERS	
Ammonia Nitrogen, %	14.1

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RISK MANAGEMENT AND
ENVIRONMENTAL AFFAIRS

RESPECTFULLY SUBMITTED: B. S. Sahi

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number [B161]
2. ☒ drum ☐ tank ☐ other; specify: _____
3. condition; describe: good
4. for drums only: ☒ open top ☐ closed top ☒ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☒ unknown ☐ known; describe: _____
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: clear
8. odor: ☐ none ☐ mild ☒ strong; describe: solvent
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: 55 gallons
13. MSDS available: ☐ yes ☐ no
14. comments: varnish thinner ?

---

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

LABORATORY ANALYSIS REPORT

Technical Testing Laboratories Inc.

Cooper Industries	LAB. NO. G1324
	DATE SAMPLED 10/9/1986
B-161 Varnish Thinner	DATE RECEIVED 10/10/1986
	DATE ANALYZED 10/10/1986 t 10/14/1986
Sampled By: Belpar Chemical Serv.	ANALYST MS - WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

IGNITABILITY--Flash Point, (Perskey-Martens), ° F

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pH, Standard Units *	
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<1

Contaminant

Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	0.8
Mercury	<0.05
Selenium	<0.05
Silver	<0.06

* Due to nature of sample, this test could not be performed.

RESPECTFULLY SUBMITTED: B. S. Sahle

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B161

LAB. NO. G1324

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 3 _ 1986
RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

PARAMETERS

Flash Point [Pensky-Martens]	°F	127

CHLORINATED SOLVENT SCAN

Methylene Chloride, ug/g	<20
Chloroform, ug/g	<5
1,1,1-Trichloroethane, ug/g	35
Carbon Tetrachloride, ug/g	<5
Trichloroethene, ug/g	52
Tetrachloroethene, ug/g	<5

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B163
2. ☒ drum ☐ tank ☐ other; specify: _____
3. condition; describe: _____
4. for drums only: ☒ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☒ unknown ☐ known; describe: _____
6. ☐ solid ☒ semi-solid ☐ liquid ☐ powder
7. color; describe: brown
8. odor: ☒ none ☐ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: 40 gallons
13. MSDS available: ☐ yes ☐ no
14. comments: unknown sludgy material

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

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LABORATORY ANALYSIS REPORT

Cooper Industries — LAB. NO. G1325

DATE SAMPLED 10/9/1986

B-163 Unknown Sludge — DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 10/14/1986

Sampled By: Belpar Chemical Serv. — ANALYST MS-WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

Sample Phase
__ Solid
__ Sludge
x Liquid

Suspended Solids, %
x <0.5
__ >0.5

Sample Treatment
__ Extracted & Filtered
x Filtered

RECEIVED
OCT 16 1986
RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

IGNITABILITY--Flash Point, (Perskey-Martens), °F 83

pH, Standard Units	3.89
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	410 [Aroclor 1242]

E. P. TOXICITY*

Contaminant	
Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	0.16
Mercury	<0.05
Selenium	<0.05
Silver	<0.06

Chlorinated Solvent Scan, ug/g	
Methylene Chloride	<2
Chloroform	<2
1,1,1-Trichloroethane	<2
Carbon Tetrachloride	<2
Trichloroethene	7.5
Tetrachloroethene	<2

RESPECTFULLY SUBMITTED: B.S. Sahle

* Determinations for E.P.Toxicity, as outlined in EPA Publication SW-846, Test Methods for Evaluating Solid Waste, 2nd Ed., Revised 1984

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B164
2. ☒ drum ☐ tank ☐ other; specify: _____
3. condition; describe: good
4. for drums only: ☒ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☐ unknown ☐ known; describe: _____
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: brown
8. odor: ☐ none ☒ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: 45 gallons
13. MSDS available: ☐ yes ☐ no
14. comments: varnish

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

LABORATORY ANALYSIS REPORT

Technical Testing Laboratories Inc.

Cooper Industries

B-164 Varnish Drum

Sampled By: Belpar Chemical Serv.

LAB. NO. G1326

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986 t 10/14/1986

ANALYST MS - WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

IGNITABILITY--Flash Point, (Perskey-Martens), °F 78

pH, Standard Units *	
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<1

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

Contaminant

Arsenic	<0.05
Barium	<0.5
Cadmium	1.0
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	0.63
Mercury	<0.05
Selenium	<0.05
Silver	<0.06

* Due to nature of sample, this test could not be performed.

RESPECTFULLY SUBMITTED: B. S. [signature]

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

COOPER INDUSTRIES

B164

LAB. NO. G1326

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 3 1986
ENVIRONMENTAL

PARAMETERS	
Total Organic Carbon, %	51 *

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B165
2. ☒ drum ☐ tank ☐ other; specify: _____
3. condition; describe: good
4. for drums only: ☒ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☒ unknown ☐ known; describe: _____
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: clear / yellow tint
8. odor: ☒ none ☐ mild ☐ strong; describe: _____
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: 100 - 200 gallons
13. MSDS available: ☐ yes ☐ no
14. comments: _____

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

Technical Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Cooper Industries

B-165 Unknown Liquid Waste

Sampled By: Belpar Chemical Serv.

LAB. NO. G1327

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986

10/14/1986

ANALYST MS - WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

Sample Phase
__Solid
__Sludge
x Liquid

Suspended Solids, %
x <0.5
__>0.5

Sample Treatment
__Extracted & Filtered
x Filtered

RECE...
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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

IGNITABILITY--Flash Point, (Perskey-Martens), °F 87

pH, Standard Units	**
Sulfide	<0.2
Cyanide	<0.2
PCB's, ug/g	<5

E. P. TOXICITY*

Contaminant	
Arsenic	<0.05
Barium	<0.5
Cadmium	<0.02
Total Chromium	<0.2
Hexa. Chromium	<0.1
Lead	<0.1
Mercury	<0.05
Selenium	<0.05
Silver	<0.06

Chlorinated Solvent Scan, ug/g	
Methylene Chloride	<1
Chloroform	<1
1,1,1-Trichloroethane	<1
Carbon Tetrachloride	<1
Trichloroethene	16
Tetrachloroethene	<1

** Due to nature of sample, this test could not be performed.

RESPECTFULLY SUBMITTED: B.S. [signature]

* Determinations for E.P.Toxicity, as outlined in EPA Publication SW-846, Test Methods for Evaluating Solid Waste, 2nd Ed., Revised 1984

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

LABORATORY ANALYSIS REPORT

echnical
esting
aboratories Inc.

COOPER INDUSTRIES

B165

LAB. NO. G1327

DATE SAMPLED --

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/28/1986 t
10/30/1986

ANALYST MS

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

OCT 3 1 1986

RISK ... ENVIRONMENTAL AFFAIRS

PARAMETERS

Total Organic Carbon, % 70 *

* Walkley-Black Method

RESPECTFULLY SUBMITTED:

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

CONTAINER/TANK PROFILE SHEET

1. Control number B166
2. ☒ drum ☐ tank ☐ other; specify: _____
3. condition; describe: _____
4. for drums only: ☐ open top ☐ closed top ☒ bung in place
   ☐ other type of opening; describe: _____
5. process generating waste: ☒ unknown ☐ known; describe: _____
6. ☒ solid ☐ semi-solid ☐ liquid ☐ powder
7. color; describe: could not be
8. odor: ☒ none ☐ mild ☐ strong; describe: _____
9. ☐ single phased ☐ multi-layered ☐ bi-layered ?
10. free liquids: ☐ yes ☐ no; estimate %: _____
11. Ph: _____
12. estimated volume of contents: ≈ 1/4 drum
13. MSDS available: ☐ yes ☐ no
14. comments: contents too hardened to draw sample

15. date sample sent to lab: _____
16. date results received: _____
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date: _____
21. transporter pickup date: _____
22. date manifest returned from TSDF: _____
23. comments: _____

CONTAINER/TANK PROFILE SHEET

1. Control number [B133]
2. ☐ drum ☐ tank ☐ other; specify: transformer
3. condition; describe: good
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☐ known; describe:
   oil from transformer
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: green
8. odor: ☐ none ☒ mild ☐ strong; describe:
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: 195 gal
13. MSDS available: ☐ yes ☐ no
14. comments: American Transformer Company Newark, NJ
    Type CT
    KVA 75
    Oil Capacity
    Serial # A604848 H 5'3" W 2'2" L 3'6"

---

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

CONTAINER/TANK PROFILE SHEET

1. Control number B134/B135/B136
2. ☐ drum ☐ tank ☐ other; specify: composite of transformers
3. condition; describe:
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☒ known; describe: transformer oil
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: amber
8. odor: ☐ none ☒ mild ☐ strong; describe:
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: ≈
13. MSDS available: ☐ yes ☐ no
14. comments: transformers all put in service at same time all same make and size

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

CONTAINER/TANK PROFILE SHEET

1. Control number B137
2. ☐ drum ☒ tank ☐ other; specify: transformer
3. condition; describe: in use
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☒ known; describe: transformer oil
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: amber
8. odor: ☐ none ☒ mild ☐ strong; describe:
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: 75 gallons
13. MSDS available: ☐ yes ☐ no
14. comments:

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

CONTAINER/TANK PROFILE SHEET

1. Control number B138
2. ☐ drum ☒ tank ☐ other; specify: transformer
3. condition; describe: in use
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☐ known; describe:
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: amber
8. odor: ☐ none ☒ mild ☐ strong; describe:
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: 75 gal
13. MSDS available: ☐ yes ☐ no
14. comments:

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

CONTAINER/TANK PROFILE SHEET

1. Control number B.39
2. ☐ drum ☒ tank ☐ other; specify: transformer
3. condition; describe: in use
4. for drums only: ☐ open top ☐ closed top ☐ bung in place
   ☐ other type of opening; describe:
5. process generating waste: ☐ unknown ☒ known; describe: transformer oil
6. ☐ solid ☐ semi-solid ☒ liquid ☐ powder
7. color; describe: amber
8. odor: ☐ none ☒ mild ☐ strong; describe:
9. ☒ single phased ☐ multi-layered ☐ bi-layered
10. free liquids: ☐ yes ☐ no; estimate %:
11. Ph:
12. estimated volume of contents: 75 gallons
13. MSDS available: ☐ yes ☐ no
14. comments:

---

15. date sample sent to lab:
16. date results received:
17. RCRA Hazardous Waste: ☐ Yes ☐ No
18. Waste profile sheet completed and sent along with sample to the following:

Company	Date

19. disposal ☐ approval ☐ disapproval received from:

Company	Date	Cost

20. delivery arranged; date:
21. transporter pickup date:
22. date manifest returned from TSDF:
23. comments:

LABORATORY ANALYSIS REPORT

Technical Testing Laboratories Inc.

Cooper Industries

LAB. NO. See Below

DATE SAMPLED 10/9/1986

DATE RECEIVED 10/10/1986

DATE ANALYZED 10/10/1986

Sampled By: Belpar Chemical Serv.

ANALYST 10/14/1986 MS - WL

NOTE: ALL RESULTS EXPRESSED IN MG/L UNLESS OTHERWISE DESIGNATED, < = LESS THAN

LAB NO.	DESCRIPTION	PCB's, ug/g	AROCLOR
G1319	B-133 Transformer Oil [Test Transformer]	<1	--
G1320	B-134/B-136 Transformer Oil [Inside Plant, Downstairs]	2	1260
G1321	B-137 Transformer Oil [Outside on Pole]	230	1260
G1322	B-138 Transformer Oil [Outside on Pole]	210	1260
G1323	B-139 Transformer Oil [Outside on Pole]	210	1260

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

RESPECTFULLY SUBMITTED: B. S. [signature]

1256 GREENBRIER STREET CHARLESTON, WEST VIRGINIA 25311 — TELEPHONE 304 346-0725

APPENDIX B
CHAIN-OF-CUSTODY RECORDS
(PHASE I)

CHAIN OF CUSTODY RECORD

RECEIVED

OCT 27 1986

RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

Project No.: 102

Project Name or Code: Cooper Industries

Samplers: (Signature) Scott Rawn, Jim Aranti

James F. Durant

Sample No.	Date	Time	Comp.	Grab	Station Location	No. of Containers							Remarks
B1	10/8/86	8:15		x	TCE Storage Tank (virgin)	1							Don't Run
B1A	"	8:30		x	Soil around TCE Storage Tank	1							TCE, EP tox metals, PCB
B2	"	8:40		x	Underground tank at gate virgin diesel								fl. pt., (solvent scan), PCB
B3-B29	single sample						one sample						Ph, fl. pt., EP tox metals, (Solvent sca
B55 and B56	"	11:30	x		Drums of waste TCE sludge	1							cyanides, sulfides, PCB
B30-B54	"	2:30	x		" " " " "	1							" " " "
B57/B58	"	3:00	x		Caustic drums (powder)	1							ph (10% slurry)
B59/B60	"	3:10	x		" " (solution)	1							ph, total metals, PCB's
B61-B87	"	4:45	x		Epoxy Resin at drum storage pad (solids)	1							fl. pt. Ep tox metals, sulfides, cyanides
B88-B113	10/9/86	9:00	x		Epoxy Resins at storage pad (liquid)	1							ph, fl. pt., total metals, cyanides, sulfides, Pc
B114	"	9:15		x	Caustic tank outside fence	1							ph
B115	"	9:30		x	Ammonia drum	1							Ammonia concentration
B116	"	10:15		x	Epoxy tank (inside) virgin	1							Don't Run
B117/B118	"	10:30	x		Varnish tank virgin	1							Don't Run
B119/B120	"	11:00	x		" "	1							ph, fl. pt., total metals, cyanides, sulfide
B123	"	11:15		x	Polyester Resin Tank	1							" " " " " "
B124	"	11:20		x	Varnish Tank virgin	1							Don't Run
B125	"	11:25		x	" " "	1							" "

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
James F. Durant	10/10/86 3:15	Gwilly E. Carter	Gwilly E. Carter	10/10/86 3:50	William Turhurst
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks

AR100166

CHAIN OF CUSTODY RECORD

Project No.	Project Name or Code
102	Cooper Industries

Samplers: (Signature)
Scott Rawn, Jim Quanti

Sample No.	Date	Time	Comp.	Grab	Station Location	No. of Containers	Remarks
B126	10/9/86	11:45		x	Varnish Tank virgin	1	Cont Run
B128	"	12:30		x	" "	1	ph, fl. pt., total metals, cyanides, sulfides,
B129/B132	"	12:35	x		Varnish tanks	1	" " " " " " "
B130/B131	"	12:40		x	Ethylene Glycol (tank jacket)	1	" " " " " " "
B133	"	2:06		x	transformer oil (test transformer)	1	PCB
B134-B136	"	2:30	x		transformer oil (inside plant, downstairs)	1	"
B137	"	3:00		x	transformer oil (outside on pole)	1	"
B138	"	3:15		x	" " " "	"	"
B139	"	3:30		x	" " " "	1	"
B161	"	4:30		x	Varnish thinner	1	ph, fl. pt., total metals, cyanides, sulfides
B163	"	4:45		x	Unknown Sludge	1	fl. pt., ph, EP tox metals, cyanides, sulfides, PCB, Solvents
G164	"	5:00		x	Varnish drum	1	fl. pt., ph, total metals, cyanides, sulfides,
B165	"	6:00		x	Unknown	1	fl. pt., ph, EP tox metals, cyanides, sulfides, (Solvent Scan)

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
James J. Quanti	10/10/86 3:15	Judith E. Carter	Judith E. Carter	10/10/86 3:50	William Fischer
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks

AR100167

APPENDIX C
RAW MATERIALS DRUM STORAGE BUILDING INVENTORY

THE FOLLOWING IS DRUMS NOT TESTED
ALL OF THESE APPEAR TO BE VIRGIN

140	Kerosene (1/2 full)
141	SP-66 De-Greaser (1/2 full) Boxley Jet Away, Salem, VA (703) 386-2770
142	Ethylene Glycol (full) Texaco, White Plains, NY
143/144	Grinding Concentrate (full) White & Bagley Co., Worcester, Mass.
145	Gear Lube (full/30 gl) Amsoil
146	All Purpose Solvent/De-greaser (full) (30 gl) Prudental Safety Solvents
147	Transformer Oil (full) Exaco, White Plains, NY
148	PB 145 (full) Payne Co., Huntington, WV (304) 523-3098
149	Boron Trifluoride (full) Allied Chemicals
150	Compressor Oil (1\4 full)
151	Silica Gel/(full) Grace Davison Chemical, Baltimore, MD
152	Proprietary Solvent #3224 (full) 190 proof Ethyl Alcohol, Ashland Chem.
153	Proprietary Solvent #3224 (full) 190 proof Ethyl Alcohol, Ashland Chem.
155/154	Mineral Oils, White (full)
156	Rando Oil (full) Texaco, White Plains, NY
157	Spent Varnish (full)
158	Ammonium Phosphate (1/2 full) Monsanto, St. Louis, MO
159	Perchlorane Plus 515 (3/4 full) Hecker, Niagra Falls, NY
160	Exxon Teresstic 100 (1/3 full) Exxon, Houston, TX
162	Varnish (1/4 full)
165	Varnish (full)
167	Thinner (3/4 full)

168 Proprietary Solvent (full) Texol 3NA 1980, Ashland Chemicals

169 Varnish (full)

APPENDIX D
ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY RECORDS
(PHASE II)

ALERT DATA REPORT

APRIL 9, 1987

ERT

WADSWORTH/ALERT
LABORATORIES, INC.

Sampling, testing, mobile labs

Since 1938

1600 Fourth Street, S.E./ P.O. Box 208 / Canton, OH 44701 / (216) 454-5809

ANALYTICAL REPORT

Presented to :

DAVE SCHMIDT

ACES

WADSWORTH/ALERT LABORATORIES, INC.

Bob Peters
Project Manager

Marvin W. Stephens, Ph. D.
Vice President & Director General Laboratory Program

April 9, 1987

CORPORATE AND LABORATORY: Canton, Ohio (216) 454-5809
LABORATORY: Cleveland, Ohio (216) 642-9151
LABORATORY: Bartow, Florida (813) 533-2150
SOUTHEAST REGIONAL OFFICE: Lexington, South Carolina (803) 957-6590
24-HOUR ALERT LINE: (216) 454-8304

WADSWORTH/ALERT
LABORATORIES, INC.

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31964
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : laf, 3/24/87 SERVICE SHOP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	15
PCB-1221	ND	15
PCB-1232	ND	15
PCB-1242	ND	15
PCB-1248	130	15
PCB-1254	ND	15
PCB-1260	130	15

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31965
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : lbf, 3/24/87 SERVICE SHOP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	15
PCB-1221	ND	15
PCB-1232	ND	15
PCB-1242	ND	15
PCB-1248	150	15
PCB-1254	ND	15
PCB-1260	60	15

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31966
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : lcf, 3/24/87 SERVICE SHOP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	30
PCB-1221	ND	30
PCB-1232	ND	30
PCB-1242	ND	30
PCB-1248	370	30
PCB-1254	ND	30
PCB-1260	ND	30

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31967
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : ldf, 3/24/87 SERVICE SHOP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	20
PCB-1221	ND	20
PCB-1232	ND	20
PCB-1242	ND	20
PCB-1248	200	20
PCB-1254	ND	20
PCB-1260	ND	20

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31968
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 1dd, 3/24/87 SERVICE SHOP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	3	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : ACES
LABORATORY ID : 7561-31968
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87

SAMPLE ID : ldd, 3/24/87 SERVICE SHOP

ELEMENT	RESULT (mg/kg)	DETECTION LIMIT
Silver	ND	0.2
Arsenic	1	0.1
Barium	100	2
Cadmium	14	0.2
Chromium	130	0.4
Hexavalent Chrome	54	0.4
Mercury	49	0.1
Lead	1,100	1
Selenium	ND	0.1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31969
SAMPLE MATRIX : WATER

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : lds, 3/24/87 SERVICE SHOP

	RESULT (ug/L)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31970
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 2af, 3/24/87 SERVICE SHOP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	6
PCB-1221	ND	6
PCB-1232	ND	6
PCB-1242	ND	6
PCB-1248	60	6
PCB-1254	ND	6
PCB-1260	ND	6

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31971
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 2bf, 3/24/87 SERVICE SHOP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	4
PCB-1221	ND	4
PCB-1232	ND	4
PCB-1242	ND	4
PCB-1248	40	4
PCB-1254	ND	4
PCB-1260	ND	4

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31972
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 3af, 3/24/87 MACHINE SHOP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	2
PCB-1221	ND	2
PCB-1232	ND	2
PCB-1242	ND	2
PCB-1248	ND	2
PCB-1254	ND	2
PCB-1260	ND	2

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31973
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 3bf, 3/24/87 MACHINE SHOP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	8	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31974
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 4f, 3/24/87 HIGH VOLTAGE ROOM

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	5
PCB-1221	ND	5
PCB-1232	ND	5
PCB-1242	ND	5
PCB-1248	ND	5
PCB-1254	ND	5
PCB-1260	50	5

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31975
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 5f, 3/24/87 SHEET METAL ROOM

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	10	1
PCB-1254	ND	1
PCB-1260	12	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31976
SAMPLE MATRIX : SWAB

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : lam, 3/24/87 SERVICE SHOP

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	7	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31977
SAMPLE MATRIX : SWAB

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : lbm, 3/24/87 SERVICE SHOP

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	9	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31978
SAMPLE MATRIX : SWAB

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 1cm, 3/24/87 SERVICE SHOP

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	2
PCB-1221	ND	2
PCB-1232	ND	2
PCB-1242	ND	2
PCB-1248	18	2
PCB-1254	ND	2
PCB-1260	ND	2

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31979
SAMPLE MATRIX : SWAB

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : ldm, 3/24/87 SERVICE SHOP

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	5	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31980
SAMPLE MATRIX : SWAB

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 2am, 3/24/87 SERVICE SHOP

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	3
PCB-1221	ND	3
PCB-1232	ND	3
PCB-1242	ND	3
PCB-1248	ND	3
PCB-1254	ND	3
PCB-1260	ND	3

MATRIX INTERFERENCE

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31981
SAMPLE MATRIX : SWAB

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 2bm, 3/24/87 SERVICE SHOP

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	5
PCB-1221	ND	5
PCB-1232	ND	5
PCB-1242	ND	5
PCB-1248	ND	5
PCB-1254	ND	5
PCB-1260	ND	5

MATRIX INTERFERENCE

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31982
SAMPLE MATRIX : SWAB

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 4/ 1/87

SAMPLE ID : 3am, 3/24/87 MACHINE ROOM

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	10	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31983
SAMPLE MATRIX : SWAB

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 3bm, 3/24/87 MACHINE ROOM

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	10	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31984
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 3bp, 3/24/87 PAINT OVERSPRAY

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	10
PCB-1221	ND	10
PCB-1232	ND	10
PCB-1242	ND	10
PCB-1248	ND	10
PCB-1254	ND	10
PCB-1260	90	10

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : ACES
LABORATORY ID : 7561-31984
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87

SAMPLE ID : 3bp, 3/24/87 PAINT OVERSPRAY

ELEMENT	RESULT (mg/kg)	DETECTION LIMIT
Silver	ND	0.2
Arsenic	0.6	0.1
Barium	140	2
Cadmium	36	0.2
Chromium	1,700	0.4
Hexavalent Chrome	738	0.4
Mercury	550	0.1
Lead	7,600	1.0
Selenium	1.5	0.1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31985
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 10f, 3/25/87 PURCHASING ROOM

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	10
PCB-1221	ND	10
PCB-1232	ND	10
PCB-1242	ND	10
PCB-1248	50	10
PCB-1254	ND	10
PCB-1260	100	10

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : ACES
LABORATORY ID : 7561-31986
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87
EXTRACTION DATE : 3/27/87
ANALYSIS DATE : 3/31/87

SAMPLE ID : 1~~D~~dfmD, 3/25/87 DISMANTLING AREA/SERVICE SHOP

1d floor motor dismantling

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	2
PCB-1221	ND	2
PCB-1232	ND	2
PCB-1242	ND	2
PCB-1248	16	2
PCB-1254	ND	2
PCB-1260	ND	2

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

GAS CHROMATOGRAPH ANALYSIS REPORT

COMPANY : ACES
LABORATORY ID : 7561-31987
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87

SAMPLE ID : TCEE, 3/25/87 TCE TANK OUTSIDE

PARAMETER	RESULT (mg/kg)	DETECTION LIMIT
Trichloroethylene	160	10

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

GAS CHROMATOGRAPH ANALYSIS REPORT

COMPANY : ACES
LABORATORY ID : 7561-31988
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87

SAMPLE ID : TCEN, 3/25/87 TCE TANK OUTSIDE

PARAMETER	RESULT (mg/kg)	DETECTION LIMIT
Trichloroethylene	240	10

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

GAS CHROMATOGRAPH ANALYSIS REPORT

COMPANY : ACES
LABORATORY ID : 7561-31989
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87

SAMPLE ID : TCEW, 3/25/87 TCE TANK OUTSIDE

PARAMETER	RESULT (mg/kg)	DETECTION LIMIT
Trichloroethylene	110	10

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

GAS CHROMATOGRAPH ANALYSIS REPORT

COMPANY : ACES
LABORATORY ID : 7561-31990
SAMPLE MATRIX : SOLID

RECEIVING DATE : 3/26/87

SAMPLE ID : TCES, 3/25/87 TCE TANK OUTSIDE

PARAMETER	RESULT (mg/kg)	DETECTION LIMIT
Trichloroethylene	20	5

ND - NONE DETECTED

WADSWORTH/ALERT LABORATORIES

1600 FOURTH ST. S.E., CANTON, OHIO 44707
(216) 454-8304

Chain-of Custody Record 3-24-87

№ 3210

PROJ. NO.	PROJECT NAME/LOCATION
5161	COOPER / McGRAW Edison

SAMPLERS: (Signature) Reynaldo Guerra John Huddy

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	PARAMETER						REMARKS
1af	3-24	0800	✓		SERVICE shop	1							Type of sample (SCRAPE) 8
1bf	3-24	0840	✓		" "	1							" " " " 8
1cf	3-24	0900	✓		" "	1							" " " " 8
1df	3-24	0915	✓		" "	1							Type of sample (SCRAPE) 8
1dd	3-24	0945		✓	" "	1							Type of sample (scoop) 1
1ds	3-24	01000		✓	SERVICE Shop	1							Type of sample (H_2O + oil) 1
2af	3-24	01030	✓		" "	1							" " " (SCRAPE) 8
2bf	3-24	01045	✓		" "	1							" " " " 10
3Af	3-24	01145	✓		MACHINE "	1							" " " (SCRAPE) 8
3bf	3-24	01215	✓		MACHINE shop	1							" " " " 8
4f	3-24	1300	✓		high voltage Room	1							" " " (SCRAPE) 8
5f	3-24	1330	✓		sheet metal Room	1							" " " " 4
1am	3-24	1350	✓		SERVICE shop	1							Type of sample (swipe) 2
1bm	3-24	1400	✓		SERVICE shop	1							" " " " 3
1cm	3-24	1410	✓		" "	1							" " " " 1

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
David W. Schmitt	3-25-87 1830	Reynaldo Guerra			
Reynaldo Guerra	3-26-87 9049				

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks
		Alesia Danford	3/26/87 10:50 AM	

Distribution Original Accompanies Shipment. Copy returned with Report.

AR100204

WADSWORTH/ALERT LABORATORIES

1600 FOURTH ST. S.E., CANTON, OHIO 44707
(216) 454-8304

Chain-of Custody Record

№ 3211

PROJ. NO.	PROJECT NAME/LOCATION
5161	COOPER / McGRAW Edison

SAMPLERS: (Signature) Reynaldo Guerra John P. Huddy

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PARAMETER						REMARKS
1dm	3-24	1420	✓		SERVICE shop	1							Type of sample (swipe) 2
2am	3-24	1435	✓		SERVICE shop	1							" " " " 1
2bm	3-24	1440	✓		SERVICE shop	1							" " " " 3
3am	3-24	1445	✓		machine Room	1							" " " " 3
3bm	3-24	1450	✓		" "	1							" " " " 6
3bp	3-24	1500	✓		PAINT OVERSPRAY	1							Type of sample scrape 4
10f	325	1600	✓		Purchasing Room	1							Type " " scrape 4
10fmd	325	1620	✓		dismantling AREA/SERVICE shop	1							" " " " 5
TCEE	325	1700		✓	TCE TANK outside	2							Type of sample scoop 2
TCEN	3-25	1730		✓	TCE " "	2							" " " " "
TCEW	3-25	1745		✓	TCE " "	2							" " " " 2
TCES	325	1800		✓	" " "	2							" " " " 2

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	3-25 1830	Reynaldo Guerra			
Reynaldo Guerra	3-26 01049				

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks
		Alexia Danford	3/26/87 10:50 am	

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AR100205

ALERT DATA REPORT

JUNE 26, 1987

ERT

WADSWORTH/ALERT
LABORATORIES, INC.

Sampling, testing, mobile labs

Since 1938

1600 Fourth Street, S.E./ P.O. Box 208 / Canton, OH 44701 / (216) 454-5809

ANALYTICAL REPORT

Presented to :

RICH UBER

COOPER INDUSTRIES

WADSWORTH/ALERT LABORATORIES, INC.

Bill Botimer
Project Manager

Marvin W. Stephens, Ph. D.
Vice President & Director General Laboratory Program

June 26, 1987

CORPORATE AND LABORATORY: Canton, Ohio (216) 454-5809
LABORATORY: Cleveland, Ohio (216) 642-9151
LABORATORY: Bartow, Florida (813) 533-2150
SOUTHEAST REGIONAL OFFICE: Lexington, South Carolina (803) 957-6590
24-HOURALERT LINE: (216) 454-8304

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37113
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-1 GAS GENERATOR ROOM TANK

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	ND	0.1
Cadmium	0.10	0.01
Chromium	ND	0.02
Mercury	0.009	0.005
Lead	12	0.05
Selenium	ND	0.005

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37113
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-1 GAS GENERATOR ROOM TANK

PARAMETER	RESULT	UNITS	DETECTION LIMIT
pH	6.1	s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37114
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-2 GAS GENERATOR ROOM PIT

PARAMETER	RESULT	UNITS	DETECTION LIMIT
Flash Point	>180	Deg. F	
pH	6.8	s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8240 VOLATILE COMPOUNDS ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37115
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87
EXTRACTION DATE : 6/17/87
ANALYSIS DATE : 6/18/87

SAMPLE ID : CI-3 LOADING DOCK SLUDGE

	RESULT (mg/kg)	DETECTION LIMIT
Benzene	ND	500
Bromodichloromethane	ND	500
Bromoform	ND	500
Bromomethane	ND	500
Carbon tetrachloride	ND	500
Chlorobenzene	ND	500
Chloroethane	ND	500
2-Chloroethylvinyl ether	ND	500
Chloroform	ND	500
Chloromethane	ND	500
Dibromochloromethane	ND	500
1,2-Dichlorobenzene	ND	500
1,3-Dichlorobenzene	ND	500
1,4-Dichlorobenzene	ND	500
1,1-Dichloroethane	ND	500
1,2-Dichloroethane	ND	500
1,1-Dichloroethene	ND	500
trans-1,2-Dichloroethene	570	500
1,2-Dichloropropane	ND	500
cis-1,3-Dichloropropene	ND	500
trans-1,3-Dichloropropene	ND	500
Ethylbenzene	ND	500
Methylene chloride	ND	500
1,1,2,2-Tetrachloroethane	ND	500
Tetrachloroethene	ND	500
Toluene	ND	500
1,1,1-Trichloroethane	ND	500
1,1,2-Trichloroethane	ND	500
Trichloroethene	7,100	500
Trichlorofluoromethane	ND	500
Vinyl chloride	ND	500

ND - NONE DETECTED

252-972

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37115
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87
EXTRACTION DATE : 6/15/87
ANALYSIS DATE : 6/18/87

SAMPLE ID : CI-3 LOADING DOCK SLUDGE

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	4
PCB-1221	ND	4
PCB-1232	ND	4
PCB-1242	ND	4
PCB-1248	11	4
PCB-1254	13	4
PCB-1260	ND	4

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37115
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-3 LOADING DOCK SLUDGE

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	0.009	0.005
Barium	1.0	0.1
Cadmium	0.17	0.01
Chromium	ND	0.02
Mercury	ND	0.005
Lead	0.18	0.05
Selenium	ND	0.005
Final pH	5.7 s.u.	
Initial pH	6.6 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37115
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-3 LOADING DOCK SLUDGE

PARAMETER	RESULT	UNITS	DETECTION LIMIT
Cyanide	0.75	mg/kg	0.5
Flash Point	>140	Deg. F	
Sulfide	180	mg/kg	50
pH	6.0	s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37116
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87
EXTRACTION DATE : 6/13/87
ANALYSIS DATE : 6/15/87

SAMPLE ID : CI-7 BOX 2642

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37116
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-7 BOX 2642

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	0.4	0.1
Cadmium	ND	0.01
Chromium	ND	0.02
Mercury	ND	0.005
Lead	ND	0.05
Selenium	ND	0.005
Final pH	4.6 s.u.	
Initial pH	4.6 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37117
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87
EXTRACTION DATE : 6/13/87
ANALYSIS DATE : 6/15/87

SAMPLE ID : CI-8 BOX 2633

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37117
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-8 BOX 2633

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	0.3	0.1
Cadmium	ND	0.01
Chromium	ND	0.02
Mercury	ND	0.005
Lead	0.28	0.05
Selenium	ND	0.005
Final pH	4.9 s.u.	
Initial pH	4.8 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37118
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87
EXTRACTION DATE : 6/13/87
ANALYSIS DATE : 6/15/87

SAMPLE ID : CI-9 PALLET BORINGS

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37118
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-9 PALLET BORINGS

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	0.5	0.1
Cadmium	ND	0.01
Chromium	ND	0.02
Mercury	ND	0.005
Lead	0.09	0.05
Selenium	ND	0.005
Final pH	5.1 s.u.	
Initial pH	5.1 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37119
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87
EXTRACTION DATE : 6/13/87
ANALYSIS DATE : 6/15/87

SAMPLE ID : CI-10 BOX 2685-SL

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37119
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-10 BOX 2685-SL

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	0.3	0.1
Cadmium	ND	0.01
Chromium	ND	0.02
Mercury	ND	0.005
Lead	ND	0.05
Selenium	ND	0.005
Final pH	4.6 s.u.	
Initial pH	4.9 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37120
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87
EXTRACTION DATE : 6/13/87
ANALYSIS DATE : 6/15/87

SAMPLE ID : CI-11 SPOOLS

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37120
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-11 SPOOLS

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	0.5	0.1
Cadmium	ND	0.01
Chromium	ND	0.02
Mercury	0.01	0.005
Lead	0.08	0.05
Selenium	ND	0.005
Final pH	4.8 s.u.	
Initial pH	5.4 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37121
SAMPLE MATRIX : SLUDGE

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-12 TANK 134

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	0.6	0.1
Cadmium	0.10	0.01
Chromium	ND	0.02
Mercury	ND	0.005
Lead	0.12	0.05
Selenium	ND	0.005
Final pH	4.9 s.u.	
Initial pH	8.1 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1267-37121
SAMPLE MATRIX : SLUDGE

RECEIVING DATE : 6/12/87

SAMPLE ID : CI-12 TANK 134

PARAMETER	RESULT	UNITS	DETECTION LIMIT
pH	7.6	s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37472
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 6/18/87
EXTRACTION DATE : 6/21/87
ANALYSIS DATE : 6/23/87

SAMPLE ID : CI-2-1, GAS GENERATOR ROOM PIT 6/17/87

	RESULT (ug/L)	DETECTION LIMIT
PCB-1016	ND	100
PCB-1221	ND	100
PCB-1232	ND	100
PCB-1242	ND	100
PCB-1248	ND	100
PCB-1254	250	100
PCB-1260	ND	100

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37472
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 6/18/87

SAMPLE ID : CI-2-1, GAS GENERATOR ROOM PIT 6/17/87

PARAMETER	RESULT	UNITS	DETECTION LIMIT
Flash Point	115	Deg. F	
pH	6.7	s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8240 VOLATILE COMPOUNDS ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37473
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/18/87
EXTRACTION DATE : 6/23/87
ANALYSIS DATE : 6/24/87

SAMPLE ID : CI-6, TANK B130 6/11/87

	RESULT (mg/kg)	DETECTION LIMIT
Benzene	ND	150
Bromodichloromethane	ND	150
Bromoform	ND	150
Bromomethane	ND	150
Carbon tetrachloride	ND	150
Chlorobenzene	ND	150
Chloroethane	ND	150
2-Chloroethylvinyl ether	ND	150
Chloroform	ND	150
Chloromethane	ND	150
Dibromochloromethane	ND	150
1,2-Dichlorobenzene	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,1-Dichloroethane	ND	150
1,2-Dichloroethane	ND	150
1,1-Dichloroethene	ND	150
trans-1,2-Dichloroethene	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
Ethylbenzene	540	150
Methylene chloride	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Tetrachloroethene	ND	150
Toluene	ND	150
1,1,1-Trichloroethane	ND	150
1,1,2-Trichloroethane	ND	150
Trichloroethene	250	150
Trichlorofluoromethane	ND	150
Vinyl chloride	ND	150

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37473
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/18/87

SAMPLE ID : CI-6, TANK B130 6/11/87

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	0.14	0.1
Cadmium	ND	0.01
Chromium	ND	0.02
Hexavalent Chrome	ND	0.02
Mercury	ND	0.005
Lead	ND	0.05
Selenium	ND	0.005
Final pH	4.8 s.u.	
Initial pH	5.7 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37473
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/18/87

SAMPLE ID : CI-6, TANK B130 6/11/87

PARAMETER	RESULT	UNITS	DETECTION LIMIT
Flash Point	>140	Deg. F	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8240 VOLATILE COMPOUNDS ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37474
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/18/87
EXTRACTION DATE : 6/23/87
ANALYSIS DATE : 6/23/87

SAMPLE ID : CI-5, COMPOSITE OVEN RESIDUE 6/11/87

	RESULT (mg/kg)	DETECTION LIMIT
Benzene	ND	1
Bromodichloromethane	ND	1
Bromoform	ND	1
Bromomethane	ND	1
Carbon tetrachloride	ND	1
Chlorobenzene	ND	1
Chloroethane	ND	1
2-Chloroethylvinyl ether	ND	1
Chloroform	ND	1
Chloromethane	ND	1
Dibromochloromethane	ND	1
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,1-Dichloroethane	ND	1
1,2-Dichloroethane	ND	1
1,1-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
trans-1,3-Dichloropropene	ND	1
Ethylbenzene	ND	1
Methylene chloride	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Tetrachloroethene	ND	1
Toluene	ND	1
1,1,1-Trichloroethane	ND	1
1,1,2-Trichloroethane	ND	1
Trichloroethene	ND	1
Trichlorofluoromethane	ND	1
Vinyl chloride	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37474
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/18/87
EXTRACTION DATE : 6/22/87
ANALYSIS DATE : 6/23/87

SAMPLE ID : CI-5, COMPOSITE OVEN RESIDUE 6/11/87

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37474
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/18/87

SAMPLE ID : CI-5, COMPOSITE OVEN RESIDUE 6/11/87

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Lead	0.13	0.05
Final pH	4.8 s.u.	
Initial pH	5.9 s.u.	

ND --NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37475
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/18/87

SAMPLE ID : CI-13, TANK 201 6/17/87

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	2.3	0.1
Cadmium	0.15	0.01
Chromium	ND	0.02
Hexavalent Chrome	ND	0.02
Mercury	ND	0.005
Lead	3.4	0.05
Selenium	ND	0.005
Final pH	4.8 s.u.	
Initial pH	8.8 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1364-37475
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/18/87

SAMPLE ID : CI-13, TANK 201 6/17/87

PARAMETER	RESULT	UNITS	DETECTION LIMIT
pH	7.0	s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT LABORATORIES

1600 FOURTH ST. S.E., CANTON, OHIO 44707
(216) 454-8304

Chain-of Custody Record

№ 378

PROJ. NO.: RU-1

PROJECT NAME/LOCATION: Cooper/McGraw Edison/Bluefield

SAMPLERS: (Signature) Richard H Ulm

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PARAMETER						REMARKS
CI-1	6/11	1310		✓	Gas Generator Room Tank	1							clear Liquid in pressure tank.
CI-2	6/11	1315		✓	Gas Generator Room Pit	1							cloudy Liquid in basement
CI-3	6/11	1330		✓	Loading Dock Sludge	1							
CI-7	6/11	1400	✓		Rolloff Box 2642	1							
CI-8	6/11	1415	✓		Roll off Box 2633	1							
CI-9	6/11	1430	✓		Pallet Borings	1							
CI-10	6/11	1445	✓		Rolloff Box 2685-SL	1							
CI-11	6/11	1500	✓		Spool Borings	1							
CI-12	6/11	1550		✓	Tank 134	1							

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Richard H Ulm	6/12 1045	Bob Perlarski			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Bob Perlarski					
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		[illegible]	6/18/87 9:10 AM		

Distribution Original Accompanies Shipment. Copy ~~returned~~ with Report.

AR100237

WADSWORTH/ALERT LABORATORIES

1600 FOURTH ST. S.E., CANTON, OHIO 44707
(216) 454-8304

Chain-of Custody Record

№ 389

6/18/87 AMD on bottles

PROJ. NO.	PROJECT NAME/LOCATION
RU-1	Cooper / McGraw Edison / Bluefield

SAMPLERS: (Signature)

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PCB, PH, FLASH	VOC, FLASH, metals	VOC, PCB, metals, Pb	PH, EPTOX metals		REMARKS
CI-2-1	6/17	0900		✓	Gas Generator Room Pit	2	✓					Second Sample Req'd for Adequate Vol for Test
CI-6	6/11	1515		✓	Tank B130	1		✓				Hardened Resin
CI-5	6/11	1530	✓		Composite Oven Residue	1			✓			
~~CI-4~~	~~6/17~~	~~1500~~	~~✓~~		~~Steam Clean Residue~~	~~1~~						Not sent 6/17 RHUber
CI-13	6/17	1130		✓	TANK 201	1				✓		
~~CI-14~~	~~6/17~~	~~1515~~	~~✓~~		~~Box 2647~~	~~1~~						

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Richard H Uber	6/17/87				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		[signature]	6/18/87 9:10 AM		

Distribution Original Accompanies Shipment. Copy returned with Report.

AR100238

ALERT DATA REPORT

JULY 17, 1987

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WADSWORTH/ALERT
LABORATORIES, INC.

Sampling, testing, mobile labs

Since 1938

1600 Fourth Street, S.E./ P.O. Box 208 / Canton, OH 44701 / (216) 454-5809

ANALYTICAL REPORT

PROJECT NO. RU-1

McGRAW EDISON/BLUEFIELD

Presented to :

RICK UBER

COOPER INDUSTRIES

JUL 27 1987

WADSWORTH/ALERT LABORATORIES, INC.

Bill Botimer
Project Manager

Marvin W. Stephens, Ph. D.
Vice President & Director General Laboratory Program

July 17, 1987

CORPORATE AND LABORATORY: Canton, Ohio (216) 454-5809
LABORATORY: Cleveland, Ohio (216) 642-9151
LABORATORY: Bartow, Florida (813) 533-2150
SOUTHEAST REGIONAL OFFICE: Lexington, South Carolina (803) 957-6590
24-HOUR ALERT LINE (216) 454-8304

WADSWORTH/ALERT
LABORATORIES, INC.

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1524-37987
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 6/26/87
EXTRACTION DATE : 6/29/87
ANALYSIS DATE : 6/30/87

SAMPLE ID : CI-4, STEAM CLEAN WATER 6/25/87

	RESULT (ug/L)	DETECTION LIMIT
PCB-1016	ND	17
PCB-1221	ND	17
PCB-1232	ND	17
PCB-1242	38	17
PCB-1248	ND	17
PCB-1254	120	17
PCB-1260	ND	17

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1524-37987
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 6/26/87

SAMPLE ID : CI-4, STEAM CLEAN WATER 6/25/87

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	0.2	0.1
Cadmium	0.23	0.01
Chromium	0.17	0.02
Mercury	0.007	0.005
Lead	0.60	0.05
Selenium	ND	0.05

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1524-37987
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 6/26/87

SAMPLE ID : CI-4, STEAM CLEAN WATER 6/25/87

PARAMETER	RESULT	UNITS	DETECTION LIMIT
Flash Point	110	Deg. F	
pH	6.5	s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8240 VOLATILE COMPOUNDS ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1524-37988
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/26/87
EXTRACTION DATE : 6/30/87
ANALYSIS DATE : 7/ 1/87

SAMPLE ID : CI-14, ELEVATOR PIT 6/18/87

	RESULT (mg/kg)	DETECTION LIMIT
Benzene	ND	3
Bromodichloromethane	ND	3
Bromoform	ND	3
Bromomethane	ND	6
Carbon tetrachloride	ND	3
Chlorobenzene	ND	3
Chloroethane	ND	6
2-Chloroethylvinyl ether	ND	6
Chloroform	ND	3
Chloromethane	ND	6
Dibromochloromethane	ND	3
1,2-Dichlorobenzene	ND	3
1,3-Dichlorobenzene	ND	3
1,4-Dichlorobenzene	ND	3
1,1-Dichloroethane	ND	3
1,2-Dichloroethane	ND	3
1,1-Dichloroethene	ND	3
trans-1,2-Dichloroethene	ND	3
1,2-Dichloropropane	ND	3
cis-1,3-Dichloropropene	ND	3
trans-1,3-Dichloropropene	ND	3
Ethylbenzene	ND	3
Methylene chloride	ND	3
1,1,2,2-Tetrachloroethane	ND	3
Tetrachloroethene	ND	3
Toluene	ND	3
1,1,1-Trichloroethane	ND	3
1,1,2-Trichloroethane	ND	3
Trichloroethene	ND	3
Trichlorofluoromethane	ND	3
Vinyl chloride	ND	6

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1524-37988
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/26/87
EXTRACTION DATE : 6/27/87
ANALYSIS DATE : 6/29/87

SAMPLE ID : CI-14, ELEVATOR PIT 6/18/87

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	2	1
PCB-1248	ND	1
PCB-1254	6	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1524-37988
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/26/87

SAMPLE ID : CI-14, ELEVATOR PIT 6/18/87

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	ND	0.1
Cadmium	ND	0.01
Chromium	ND	0.02
Mercury	0.036	0.005
Lead	0.10	0.05
Selenium	ND	0.005
Final pH	6.1 s.u.	
Initial pH	10.7 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1524-37988
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/26/87

SAMPLE ID : CI-14, ELEVATOR PIT 6/18/87

PARAMETER	RESULT	UNITS	DETECTION LIMIT
Cyanide	0.6	mg/kg	0.5
Sulfide	ND	mg/kg	50

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1524-37989
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/26/87

SAMPLE ID : CI-15, PH-10 6/24/87

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	0.006	0.005
Barium	ND	0.1
Cadmium	ND	0.01
Chromium	ND	0.02
Mercury	ND	0.005
Lead	0.06	0.05
Selenium	ND	0.005
Final pH	9.4 s.u.	
Initial pH	10.1 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1524-37989
SAMPLE MATRIX : SOLID

RECEIVING DATE : 6/26/87

SAMPLE ID : CI-15, PH-10 6/24/87

PARAMETER	RESULT	UNITS	DETECTION LIMIT
Cyanide	ND	mg/kg	0.5
Sulfide	ND	mg/kg	50
pH	11	s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT LABORATORIES

1600 FOURTH ST. S.E., CANTON, OHIO 44707
(216) 454-8304

Chain-of Custody Record

№ 3826

PROJ. NO.	PROJECT NAME/LOCATION
RU-1	Cooper/McGraw Edison/Bluefield

SAMPLERS: (Signature) Richard H Ulles

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PARAMETER						REMARKS
I-4	6/25	13:00	~~✓~~	✓	Steam Clean Water	2							
~~I-14~~	~~6/25~~	~~13:00~~	~~✓~~		~~Elevator Pit~~	~~1~~							
~~I-15~~	~~6/25~~	~~13:00~~	~~✓~~		~~ph-10~~	~~1~~							
I-14	6/18	1045			Elevator Pit	1							
I-15	6/24	1500			ph-10	1							

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Richard H Ulles	6/25 13:00				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		[signature]	6/26/87 9AM 10		

Distribution Original Accompanies Shipment. Copy returned with Report.

AR100251

ALERT DATA REPORT

JULY 22, 1987

ERT

WADSWORTH/ALERT
LABORATORIES, INC.

Sampling, testing, mobile labs

Since 1938

1600 Fourth Street, S.E./ P.O. Box 208 / Canton, OH 44701 / (216) 454-5809

ANALYTICAL REPORT

McGRAW EDISON/BLUEFIELD

Presented to :

RICK UBER

COOPER INDUSTRIES

JUL 27 1987

WADSWORTH/ALERT LABORATORIES, INC.

Bill Botimer
Project Manager

Marvin W. Stephens, Ph. D.
Vice President & Director General Laboratory Program

July 22, 1987

CORPORATE AND LABORATORY: Canton, Ohio (216) 454-5809
LABORATORY: Cleveland, Ohio (216) 642-9151
LABORATORY: Bartow, Florida (813) 533-2150
SOUTHEAST REGIONAL OFFICE: Lexington, South Carolina (803) 957-6590
24-HOUR ALERT LINE: (216) 454-8304

WADSWORTH/ALERT
LABORATORIES, INC.

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38338
SAMPLE MATRIX : SOLID

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 6/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-16 BOX 2647 DRILLINGS

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38338
SAMPLE MATRIX : SOLID

RECEIVING DATE : 7/ 3/87

SAMPLE ID : CI-16 BOX 2647 DRILLINGS

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	ND	0.005
Barium	0.5	0.1
Cadmium	0.02	0.01
Chromium	0.65	0.02
Mercury	ND	0.005
Lead	0.20	0.05
Selenium	ND	0.005
Final pH	5.2 s.u.	
Initial pH	5.6 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38339
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 6/87
ANALYSIS DATE : 7/ 7/87

SAMPLE ID : CI-17 MACHINES lam

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	2
PCB-1221	ND	2
PCB-1232	ND	2
PCB-1242	2	2
PCB-1248	ND	2
PCB-1254	ND	2
PCB-1260	2	2

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38340
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 6/87
ANALYSIS DATE : 7/ 7/87

SAMPLE ID : CI-18 MACHINES , lbm

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	2
PCB-1221	ND	2
PCB-1232	ND	2
PCB-1242	8	2
PCB-1248	ND	2
PCB-1254	ND	2
PCB-1260	3	2

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38341
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 7/87

SAMPLE ID : CI-20 MACHINES 1dm

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	2
PCB-1221	ND	2
PCB-1232	ND	2
PCB-1242	8	2
PCB-1248	ND	2
PCB-1254	ND	2
PCB-1260	2	2

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38342
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 7/87

SAMPLE ID : CI-21 MACHINES 1DfmD

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38343
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-22 MACHINES 3am

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	8
PCB-1221	ND	8
PCB-1232	ND	8
PCB-1242	ND	8
PCB-1248	ND	8
PCB-1254	ND	8
PCB-1260	ND	8

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38344
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-23 MACHINES 3bm

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	9
PCB-1221	ND	9
PCB-1232	ND	9
PCB-1242	ND	9
PCB-1248	ND	9
PCB-1254	ND	9
PCB-1260	ND	9

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38345
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 6/87
ANALYSIS DATE : 7/ 7/87

SAMPLE ID : CI-24 MACHINES LWT

	RESULT (ug/swab)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	2	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	2	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38346
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-25 FLOOR laf

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	9
PCB-1221	ND	9
PCB-1232	ND	9
PCB-1242	73	9
PCB-1248	ND	9
PCB-1254	39	9
PCB-1260	ND	9

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38347
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-26 FLOOR lbf

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	9
PCB-1221	ND	9
PCB-1232	ND	9
PCB-1242	40	9
PCB-1248	ND	9
PCB-1254	ND	9
PCB-1260	27	9

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38348
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-27 FLOOR lcf

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	150
PCB-1221	ND	150
PCB-1232	ND	150
PCB-1242	470	150
PCB-1248	ND	150
PCB-1254	ND	150
PCB-1260	ND	150

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38349
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-28 FLOOR ldf

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	16
PCB-1221	ND	16
PCB-1232	ND	16
PCB-1242	100	16
PCB-1248	ND	16
PCB-1254	ND	16
PCB-1260	ND	16

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38350
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-29 FLOOR 2af

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	20
PCB-1221	ND	20
PCB-1232	ND	20
PCB-1242	50	20
PCB-1248	ND	20
PCB-1254	ND	20
PCB-1260	40	20

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38351
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-30 FLOOR 2bf

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	10
PCB-1221	ND	10
PCB-1232	ND	10
PCB-1242	23	10
PCB-1248	ND	10
PCB-1254	13	10
PCB-1260	ND	10

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38352
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-31 FLOOR 4f

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	8
PCB-1221	ND	8
PCB-1232	ND	8
PCB-1242	ND	8
PCB-1248	ND	8
PCB-1254	ND	8
PCB-1260	ND	8

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38353
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-32 FLOOR 10f

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	4
PCB-1221	ND	4
PCB-1232	ND	4
PCB-1242	ND	4
PCB-1248	ND	4
PCB-1254	ND	4
PCB-1260	ND	4

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38354
SAMPLE MATRIX : SWAB

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-33 FLOOR fb

	RESULT (ug)	DETECTION LIMIT
PCB-1016	ND	3
PCB-1221	ND	3
PCB-1232	ND	3
PCB-1242	ND	3
PCB-1248	ND	3
PCB-1254	ND	3
PCB-1260	ND	3

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8240 VOLATILE COMPOUNDS ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38355
SAMPLE MATRIX : SLUDGE

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 6/87
ANALYSIS DATE : 7/ 9/87

SAMPLE ID : CI-34 BAY 3 PBD

	RESULT (mg/kg)	DETECTION LIMIT
Benzene	ND	400
Bromodichloromethane	ND	400
Bromoform	ND	400
Bromomethane	ND	800
Carbon tetrachloride	ND	400
Chlorobenzene	ND	400
Chloroethane	ND	800
2-Chloroethylvinyl ether	ND	800
Chloroform	ND	400
Chloromethane	ND	800
Dibromochloromethane	ND	400
1,2-Dichlorobenzene	ND	400
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,1-Dichloroethane	ND	400
1,2-Dichloroethane	ND	400
1,1-Dichloroethene	ND	400
trans-1,2-Dichloroethene	ND	400
1,2-Dichloropropane	ND	400
cis-1,3-Dichloropropene	ND	400
trans-1,3-Dichloropropene	ND	400
Ethylbenzene	ND	400
Methylene chloride	ND	400
1,1,2,2-Tetrachloroethane	ND	400
Tetrachloroethene	ND	400
Toluene	ND	400
1,1,1-Trichloroethane	ND	400
1,1,2-Trichloroethane	ND	400
Trichloroethene	14,000	400
Trichlorofluoromethane	ND	400
Vinyl chloride	ND	800

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38355
SAMPLE MATRIX : SLUDGE

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/11/87

SAMPLE ID : CI-34 BAY 3 PBD

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	4
PCB-1221	ND	4
PCB-1232	ND	4
PCB-1242	ND	4
PCB-1248	ND	4
PCB-1254	ND	4
PCB-1260	ND	4

MATRIX INTERFERENCE

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38355
SAMPLE MATRIX : SLUDGE

RECEIVING DATE : 7/ 3/87

SAMPLE ID : CI-34 BAY 3 PBD

Leachate testing in accordance with USEPA Manual SW846 Method 1310

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.01
Arsenic	0.005	0.005
Barium	0.3	0.1
Cadmium	0.20	0.01
Chromium	ND	0.02
Mercury	0.006	0.005
Lead	ND	0.05
Selenium	ND	0.005
Final pH	5.2 s.u.	
Initial pH	7.4 s.u.	

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METHOD 8080 PCB ANALYTICAL REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38356
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 7/ 3/87
EXTRACTION DATE : 7/ 7/87
ANALYSIS DATE : 7/ 8/87

SAMPLE ID : CI-35 , BAY 3 FLOOR SUMP

	RESULT (mg/kg)	DETECTION LIMIT
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

ND - NONE DETECTED

WADSWORTH/ALERT
LABORATORIES, INC.

METALS ANALYSIS REPORT

COMPANY : COOPER INDUSTRIES
LABORATORY ID : 1637-38356
SAMPLE MATRIX : LIQUID

RECEIVING DATE : 7/ 3/87

SAMPLE ID : CI-35 BAY 3 FLOOR SUMP

ELEMENT	RESULT (mg/L)	DETECTION LIMIT
Silver	ND	0.2
Arsenic	ND	0.1
Barium	ND	2.0
Cadmium	ND	0.2
Chromium	0.8	0.4
Mercury	50	0.25
Lead	18	1
Selenium	ND	0.1

ND - NONE DETECTED

WADSWORTH/ALERT LABS
1600 FOURTH ST. SE
CANTON, OH 44707
(216) 454-8304

CHAIN-OF—CUSTODY RECORD

№ 1816

PROJECT LOCATION	NAME OF CLIENT	PROJECT TELEPHONE NO	PROJECT NUMBER
Cooper / McGraw Edison / Bluefield	Cooper Industries	304-327-5966	RU-1

ITEM NUMBER	SAMPLE NUMBER	NUMBER & SIZE OF CONTAINERS	DESCRIPTION	TRANSFER NUMBER & CHECK 1	2	3	4	5	6	7
1	CI-16	1 quart	Box 2647 Drillings							
2	CI-17	1 250ml	Machines 1am							
3	CI-18	1 "	Machines 1bm							
4	CI-20	1 "	Machines 1dm							
5	CI-21	1 "	Machines 1D for D							
6	CI-22	1 "	Machines 3am							
7	CI-23	1 "	Machines 3bm							
8	CI-24	1 "	Machines LWT							
9	CI-25	1 "	Floor 1af							
10	CI-26	1 "	Floor 1bf							
11	CI-27	1 "	Floor 1cf							
12	CI-28	1 "	Floor 1df							
13	CI-29	1 "	Floor 2af							
14	CI-30	1 "	Floor 2bf							
15	CI-31	1 "	Floor 4f							
16	CI-32	1 "	Floor 10f							
17	CI-33	1 "	Floor fb							

Person Responsible for sample	Affiliation	Date	Time
Richard H. Uber	Sen. Env. Engr	7/2/87	1500

Purpose of analysis (use back of front sheet if necessary)

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1-17	Richard H Uber		7/2/87	15:15
2			D. Pole	7/3/87	9:50 AM
3					
4					
5					

AR100278

WADSWORTH/ALERT LABS
1600 FOURTH ST. SE
CANTON, OH 44707
(216) 454-8304

CHAIN-OF—CUSTODY RECORD

№ 181

PROJECT LOCATION	NAME OF CLIENT	PROJECT TELEPHONE NO	PROJECT NUMBER
Cooper/McGraw Edison/Bluefield	Cooper Industries	304-327-5966	RU-1

ITEM NUMBER	SAMPLE NUMBER	NUMBER & SIZE OF CONTAINERS	DESCRIPTION	TRANSFER NUMBER & CHECK 1	2	3	4	5	6	7
18	CI-34	1 250ml	Bay 3 Pbd							
19	CI-35	2 quart	Bay 3 Floor Sump							

Person Responsible for sample	Affiliation	Date	Time
Richard H Uber	Sen. Env. Engr.	7/2/87	15:00

Purpose of analysis (use back of front sheet if necessary)

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	18-24	Richard H Uber		7/2/87	15:15
2			D. Pohl	7/3/87	9:50 AM
3					
4					
5					

AR100279

APPENDIX E
MANIFESTS

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: WVD000496729
Manifest Document No.: 00001
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGraw-Edison/National Electric Division
1400 Bluefield Ave., Bluefield, WV 24701
4. Generator's Phone (304) 325-8892

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

5. Transporter 1 Company Name: Dart Trucking
6. US EPA ID Number: OHD009865825
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 800-362-2775

9. Designated Facility Name and Site Address
Fondessy Enterprises, Inc.
876 Otter Creek Road
Oregon, OH 43616
10. US EPA ID Number: OHD045243706
G. State Facility's ID: 419
H. Facility's Phone: (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	Hazardous Waste Solid, n.o.s. ORM-E NA 9189	001	CM	20	Y	U228
b.					124	T	
c.							
d.							

J. Additional Descriptions for Materials Listed Above
PCN 1371 AX

K. Handling Codes for Wastes Listed Above
SCLFHDBL

15. Special Handling Instructions and Additional Information
Soil contaminated with resideal trichloroethylene, crushed, empty drums, cement dust (stabilization agent)

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 governmental regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: MICHAEL L. PEALER
Signature: Michael L. Pealer
Month 11 Day 21 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leslie A Nelson
Signature: Leslie A Nelson
Month 11 Day 21 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

RECEIVED
DEC 17 1986

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: Jeff HARDING
Signature
Month 11 Day 24 Year 86

Form #200-2 (Rev. 4-85) Previous edition obsolete

ORIGINAL - RETURN TO GENERATOR

AR100281

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WVD000496729
Manifest Document No. 00002
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGraw-Edison/National Electric Division
1400 Bluefield Ave., Bluefield, WV 24701
4. Generator's Phone (304) 325-3892

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

5. Transporter 1 Company Name: Dart Trucking Co Incorporated
6. US EPA ID Number: CHD009816825
C. State Transporter's ID
D. Transporter's Phone: 800-[illegible]
7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID: 325-257
F. Transporter's Phone

9. Designated Facility Name and Site Address
~~E.I.E.S.~~ Environmental/International Electric Service
1220 Wyoming Street
Kansas City Missouri 64101
10. US EPA ID Number: MOD980973556
G. State Facility's ID
H. Facility's Phone: 816-842-9148

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	Waste Polychlorinated Biphenyls UN 2315 ORM-E	001	DM	500	P	
b.	X	Waste Polychlorinated Biphenyls UN 2315 ORM-E	001	DF	42	P	
c.							
d.							

J. Additional Descriptions for Materials Listed Above
Date in storage - Oct 1986
~~Facility~~ # 86335-F
Environmental/International Electric Service

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
a. Drum 163
b. 2 capacitors

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 governmental regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: DUANE PLATT
Signature: Duane Platt
Month Day Year: 12 10 1986

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EDWARD A. RIPPON
Signature: Edward A. Rippon
Month Day Year: 12 10 1986

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space
YOU MUST INDICATE TYPE OF MATERIAL IN CONTAINER
T.G.

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

Printed/Typed Name: TIM GUNN
Signature: Tim Gunn
Month Day Year: 12 10 86

Form 8700-22 (Rev. 6-88) Previous editions are obsolete.

ORIGINAL - RETURN TO GENERATOR

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: WVD 0.0.0.4.9.6.7.2.9
Manifest Document No.: 0.0.0.0.3
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGRAW EDISON / NATIONAL ELECTRIC DIVISION
1400 BLUEFIELD AVE. BLUEFIELD WVA 24701

4. Generator's Phone (304) 325-8892

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: DART TRUCKING CO INC
6. US EPA ID Number: OHD 0.0.0.8.6.5.8.2.5

C. State Transporter's ID

D. Transporter's Phone: 800-362-2275

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
FONDESSY ENTERPRISES, INC.
876 OTTER CREEK ROAD
OREGON, OH 43616

10. US EPA ID Number: O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone: 419-726-1521

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	HAZ WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	20	Y	U228
b.					11.93	T	
c.					23360	P	
d.							

J. Additional Descriptions for Materials Listed Above
PCN 1371 AX

K. Handling Codes for Wastes Listed Above
SCLSHD 81

15. Special Handling Instructions and Additional Information

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

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Michael J. O'Brien
Signature: Michael J. O'Brien
Month Day Year: 1 2 0 3 8 6

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leslie A Nelson
Signature: Leslie A Nelson
Month Day Year: 1 2 0 3 8 6

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jeff HARDING
Signature
Month Day Year: 1 2 1 3 1 9 1

ORIGINAL-RETURN TO GENERATOR

AR100283

[redacted] [redacted]

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: W.V.D.0.0.0.4.9.6.7.2.9
Manifest Document No.: 00004
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGraw-Edison/National Electric Division
1400 Bluefield Ave., Bluefield, WV 24701

4. Generator's Phone (304) 325-8892

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

5. Transporter 1 Company Name: Dart Trucking Co.
6. US EPA ID Number: OHD009865825
C. State Transporter's ID
D. Transporter's Phone: 1-800-362-2225

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
Fondessy W Enterprises, Inc.
876 Otter Creek Road
Oregon, OH 43616

10. US EPA ID Number: OHD045243706
G. State Facility's ID
H. Facility's Phone: (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	xx	Hazardous Waste Solid, n.o.s. NA 9189 ORM-E	001	CM	20	Y	U228
b.					974	T	
c.					18490	P	
d.							

J. Additional Descriptions for Materials Listed Above
PCN 1371AX

K. Handling Codes for Wastes Listed Above
SCLEND81

15. Special Handling Instructions and Additional Information

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

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Michael L. Decker Jr.
Signature: [signature]
Month 12 Day 4 Year 86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leslie A Nelson
Signature: Leslie A Nelson
Month 12 Day 04 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name: [illegible]
Signature: [signature]
Month 12 Day 5 Year 86

Form 8700-22 (Rev. 4-86) Previous edition obsolete

ORIGINAL - RETURN TO GENERATOR

AR100284

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: W.V.D.0.0.0.4.9.6.7.2.9
Manifest Document No.: 0.0.0.0.5
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGraw-Edison/National Electric Division
1400 Bluefield Ave., Bluefield, WV 24701

4. Generator's Phone (304) 325-8892

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Dart trucking Co Inc.
6. US EPA ID Number: O.H.D.0.0.9.8.6.5.8.2.5
C. State Transporter's ID
D. Transporter's Phone: 1-800-362-2775

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
Fondessy Enterprises, Inc.
876 Otter Creek Road
Oregon, OH 43616
10. US EPA ID Number: O.H.D.0.4.5.2.4.3.7.0.6
G. State Facility's ID
H. Facility's Phone: (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	xx	Hazardous Waste Solid, n.o.s. NA 9189 ORM-E	0.0.1	C.M	. . .2.0	Y	U228
b.			. .	.	70.44	T	
c.			. .	.	40.880	D	
d.			. .	.	. . . .		

J. Additional Descriptions for Materials Listed Above
PCN 1371AX

K. Handling Codes for Wastes Listed Above
D&I
SC Full H

15. Special Handling Instructions and Additional Information

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

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Michael L. Pearson Jr.
Signature: [signature]
Month Day Year: 11 21 10 86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leslie A Nelson
Signature: Leslie A Nelson
Month Day Year: 12 10 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Dale M Pertner
Signature: Dale M Pertner
Month Day Year: 12 17 86

Form 8700-22 (Rev. 1-85) Previous edition obsolete

ORIGINAL - RETURN TO GENERATOR

AR100285

[redacted] [redacted]

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: WVD000496729
Manifest Document No.: 00006
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGraw-Edison/National Electric Division
1400 Bluefield Ave., Bluefield, WV 24701
4. Generator's Phone (304) 325-8892

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

5. Transporter 1 Company Name: Dart trucking Co
6. US EPA ID Number: OHD009865825
C. State Transporter's ID
D. Transporter's Phone: 1-800-362-2775

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
Environmental Processing Services
1288 McCook Avenue
Dayton, OH 45404
10. US EPA ID Number: OHD000608588
G. State Facility's ID
H. Facility's Phone: 1-513-222-1062

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Flammable Liquid, n.o.s. UN 1993 FLAMMABLE LIQUID	xx	11	D.M	.605	G	D001
b. Waste Petroleum Oil, n.o.s. NA 1270 FLAMMABLE LIQUID	xx	30	D.M	.1650	G	D001
c. ~~Waste [illegible] UN 1866 [illegible]~~	xx		~~D.M~~		~~G~~	~~D001~~
d. Waste Paint Related material UN 1263 FLAMMABLE LIQUID	xx	0.0.1	D.M	. . .55	G	D001

J. Additional Descriptions for Materials Listed Above
oils, solvents, paint, diesel fuel

K. Handling Codes for Wastes Listed Above
7710

15. Special Handling Instructions and Additional Information

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

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: MICHAEL L. PEALER JR.
Signature: [signature]
Month Day Year: 11 21 1986

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leslie A Nelson
Signature: Leslie A Nelson
Month Day Year: 11 21 1986

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name: MICHAEL L. SULLIVAN
Signature: [signature]
Month Day Year: 11 21 1986

[redacted] [redacted]

ORIGINAL - RETURN TO GENERATOR

AR100286

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. W.V.D.0.0.0.4.9.6.7.2.9
Manifest Document No. 0.0.0.0.7
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGraw-Edison/National Electric Division
1400 Bluefield Ave., Bluefield, WV 24701
4. Generator's Phone (304) 325-8892

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

5. Transporter 1 Company Name: Dart trucking Co
6. US EPA ID Number: O.H.D.0.0.9.8.6.5.8.2.5
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: 1-800-362-2775

9. Designated Facility Name and Site Address
Environmental Enterprises, Inc.
4650 Spring Grove Ave.
Cincinnati, OH 45232
10. US EPA ID Number: O.H.D.0.8.3.3.7.7.0.1.0
G. State Facility's ID
H. Facility's Phone: (513) 541-1823

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	Waste Compressed Gas, N.O.S. UN 1954 FLAMMABLE GAS	x	0.0.2	D.M	.5.0.0	P	D001,8 U080
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
Various and sundry aerosol sprays: paints, high temp lubricant, artificial snow, etc.

K. Handling Codes for Wastes Listed Above
S01, T04

15. Special Handling Instructions and Additional Information
A) 70413 - 70414 Profile #8321

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 governmental regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: DUANE PLATT
Signature: Duane Platt
Month Day Year: 11 21 1986

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leslie A Nelson
Signature: Leslie A Nelson
Month Day Year: 11 21 1986

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: MARCUS CUMMINGS
Signature: Marcus Cummings
Month Day Year: 12 12 85

Form 8700-22 (Rev. 9-85) Previous Editions Obsolete

ORIGINAL - RETURN TO GENERATOR

BLS-C5

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: W.V.D.0.0.0.4.9.6.7.2.9
Manifest Document No.: 0.0.0.0.8
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGraw-Edison/National Electric Division
1400 Bluefield Ave., Bluefield, WV 24701
4. Generator's Phone (304) 325-8892

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

5. Transporter 1 Company Name: Dart trucking Co
6. US EPA ID Number: O.H.D.0.0.9.8.6.5.8.2.5
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: 1-800-362-2775

9. Designated Facility Name and Site Address
Fondessy Enterprises, Inc.
876 Otter Creek Road
Oregon, OH 43616
10. US EPA ID Number: O.H.D.0.4.5.2.4.3.7.0.6
G. State Facility's ID
H. Facility's Phone: (419) 726-1521

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	Waste Corrosive Liquid, NOS UN 1760 CORROSIVE MATERIAL	0.0.1	D.M	.5.0.0	P	D002
b.	X	Waste Corrosive Solid, NOS UN 1759 CORROSIVE MATERIAL	0.0.1	D.M	.5.0.0	P	D002
c.	X	Waste Sodium Hydroxide Solution UN 1824 CORROSIVE MATERIAL	0.0.1	D.M	.5.0.0	P	D007 D002
d.	X	Waste Flammable Liquid, Corrosive, NOS UN 2924 FLAMMABLE LIQUID	0.0.1	D.M	.5.0.0	P	D001,2,8 U051

J. Additional Descriptions for Materials Listed Above
Labpacked commercial chemical products packaged with oil dry inert absorbent. CC 1320-161

K. Handling Codes for Wastes Listed Above
D81 SCLF 11 cell (1)

15. Special Handling Instructions and Additional Information
PCN 1371 BX AN 6110

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 governmental regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: DUANE PLATT
Signature: [signature]
Month Day Year: 1.2 1.1 86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leslie A Nelson
Signature: Leslie A Nelson
Month Day Year: 1.2 1.1 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space
Drums est by generator. FEI has actual.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Dale M Pertner
Signature: Dale M Pertner
Month Day Year: 1.2 1.5 86

Form 8700-22 (Rev. 3-85) Previous edition obsolete

ORIGINAL - RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. W·V·D·0·0·0·4·9·6·7·2·9 | Manifest Document No. [illegible]

2. Page 1 of

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

3. Generator's Name and Mailing Address
McGraw Edison/National Electric Division
1400 Blue Field Ave., Bluefield, WV 24701

4. Generator's Phone (304) 325-8892

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Associated Chemical & Environmental Services

6. US EPA ID Number: OHD 045 24 3706

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
Safety-Kleen Corp, Hebron Recycle Center
581 Milliken Dr. SE
Hebron, OH 43025

10. US EPA ID Number: O·H·D·9·8·0·5·8·7·3·6·4

G. State Facility's ID

H. Facility's Phone: (614) 929-3532

GENERATOR

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	Waste Trichloroethylene Liquid ORM-A UN1710	XXX	1	TK	1750	G	U-228
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

RECEIVED
MAR 09 1987
RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name: Richard T Maddox | Signature: Richard T Maddox EHS | Date: Month 02 Day 12 Year 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: KEVIN R RENTINGER | Signature: Kevin R Rentinger | Date: Month 02 Day [illegible] Year 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
17.630 1810 lbs.

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

Printed/Typed Name: Lilian Sturm | Signature: Liane Sturm | Date: Month 2 Day 17 Year 87

ORIGINAL - RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: W.V.D.0.0.0.4.9.6.7.2.9
Manifest Document No.: 0.0.0.1.0
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGraw-Edison/National Electric Division
1400 Bluefield Ave., Bluefield, WV 24701

4. Generator's Phone (304) 325-8892

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Dart Trucking Co
6. US EPA ID Number: 0.H.D.0.0.9.8.6.5.8.2.5
C. State Transporter's ID
D. Transporter's Phone: 800-362-2758

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
Fondessy Enterprises, Inc.
876 Otter Creek Road
Oregon, OH 43616

10. US EPA ID Number: O.H.D.0.4.5.2.4.3.7.0.6
G. State Facility's ID
H. Facility's Phone: (419) 726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	XX	Hazardous Waste Solid, n.o.s. NA 9189 ORM-E	0.0.1	C.M	2.0	Y	U228
b.					1229	T	
c.					24580	P	
d.							

J. Additional Descriptions for Materials Listed Above
PCN 1371AX

K. Handling Codes for Wastes Listed Above
SCLFHD91

15. Special Handling Instructions and Additional Information

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

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Richard T Maddox
Signature: Richard T Maddox
Month 02 Day 17 Year 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gary B Shambarger
Signature: Gary B Shambarger
Month 02 Day 17 Year 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

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MAR 13 1987
RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

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: Jeff Harding
Signature
Month 12 Day 10 Year 87

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

AR100290

F/A Fondessy Enterprises, Inc
Associated Chemical and Environmental Services, Inc.
876 Otter Creek Road
Oregon OH 43616

USEPA ID OHD 045243706
Ohio EPA 03-48-0092

CERTIFICATE OF DISPOSAL

PART A — Generator Information

Generator Name McGraw Edison Generator USEPA ID# WVD000496029

Manifest Document No. 00010.

PART B — Waste Disposal Information

Product Code Number	Disposal Date Mo. Day Year	Disposal Method	Container No. Type	Weight
371AX	2 18 87	DE1	1 TC	1229T
				(20 cyd)

Disposal Method = D081-Landfill; D082-Landfarm; T04-Treatment

Container Types = DR-Drum; TR-Truck; CT-Cargo Tanker; VT-Vacuum Tanker; RO-Rolloff

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal permits and requirements imposed by the generator.

SIGNATURE [signature] DATE 2-18-87

TITLE [illegible]

DISTRIBUTION OF COPIES
WHITE — Office
CANARY — Generator
PINK — EPA

AR100291

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. W.V.D.0.0.0.4.9.6.7.2.9
Manifest Document No. 0.0.0.1.2
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McGraw Edison Service
1400 Bluefield, Ave., Bluefield, WV 24701
4. Generator's Phone ( )

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

5. Transporter 1 Company Name: Dart trucking Co
6. US EPA ID Number: O.H.D.0.0.9.8.6.5.8.2.5
C. State Transporter's ID: 14JP36
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone: 1-800-362-2775

9. Designated Facility Name and Site Address
FONDESSY ENTERPRISES, INC.
876 OTTER CREEK ROAD
OREGON, OH 43616
10. US EPA ID Number: O.H.D.0.4.5.2.4.3.7.0.6
G. State Facility's ID
H. Facility's Phone: 419-726-1521

GENERATOR

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X Haz Waste solid NOS ORM-E NA 9189	1	TR	22	CY	D001
b.				25 lbs		
c.				5120 P.		
d.						

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above: SCLEHD81.

15. Special Handling Instructions and Additional Information
PCN 1371CX

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 governmental regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Richard T. Maddox
Signature: Richard T. Maddox EPG
Month Day Year: 10 21 86 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gary B Shamberger
Signature: Gary B Shamberger
Month Day Year: 10 21 86 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

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RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Lee HARDING
Signature
Month Day Year: 10 27 87

ORIGINAL-RETURN TO GENERATOR

F/A Fondessy Enterprises, Inc.
Associated Chemical and Environmental Services, Inc.
876 Otter Creek Road
Oregon, OH 43616

USEPA ID OHD 045243706
Ohio EPA 03-48-0092

CERTIFICATE OF DISPOSAL

PART A — Generator Information

Generator Name McGraw-Edison Generator USEPA ID# WVD000A6779

Manifest Document No. 00012.

PART B — Waste Disposal Information

Product Code Number	Disposal Date Mo. Day Year	Disposal Method	Container No. Type	Weight
1371 CX	2 27 87	DEI	1 TC	25.63T

Disposal Method = D081-Landfill; D082-Landfarm; T04-Treatment

H. XY 18-19

Container Types = DR-Drum; TR-Truck; CT-Cargo Tanker; VT-Vacuum Tanker; RO-Rolloff

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal permits and requirements imposed by the generator.

SIGNATURE [signature] DATE 2-27-87

TITLE [illegible]

DISTRIBUTION OF COPIES
WHITE — Office
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PINK — EPA

AR100293

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: W.V.D.0.0.0.4.9.6.7.2.9
Manifest Document No.: 0.0.0.1.3
2. Page 1 of
Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
McGraw Edison Services
1400 Bluefield Ave., Bluefield, WV 24701

4. Generator's Phone ( )

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Dart Trucking Co INC.
6. US EPA ID Number: O.H.D.0.0.9.8.6.5.8.2.5
C. State Transporter's ID: 16 QM64
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone: 1-800-362-2775

9. Designated Facility Name and Site Address
FONDESSY ENTERPRISES, INC.
876 OTTER CREEK ROAD
OREGON, OH 43616
10. US EPA ID Number: O.H.D.0.4.5.2.4.3.7.0.6
G. State Facility's ID
H. Facility's Phone: 419-726-1521

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	Haz Waste Solid NOS ORM-E NA 9189	1	T.R	2.2	C Y	D001
b.					2588 T		
c.					51700 P		
d.							

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above: SCLEHD81

15. Special Handling Instructions and Additional Information
PCN 1371 AX

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 governmental regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Richard T. Maddox
Signature: Richard T. Maddox EJC
Month Day Year: 0.2 2.6 8.7

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Leslie A Nelson
Signature: Leslie A Nelson
Month Day Year: 0.2 2.6 8.7

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

RECEIVED
MAR 13 1987
RISK MANAGEMENT AND ENVIRONMENTAL AFFAIRS

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jeff Harding
Signature
Month Day Year: 3 27 87

ORIGINAL-RETURN TO GENERATOR

AR100294

F/A Fondessy Enterprises, Inc.
Associated Chemical and Environmental Services, Inc.
876 Otter Creek Road
Oregon, OH 43616

USEPA ID OHD 045243706
Ohio EPA 03-48-0092

CERTIFICATE OF DISPOSAL

PART A — Generator Information

Generator Name McGraw Generator USEPA ID# WVD000496299

Manifest Document No. 00013.

PART B — Waste Disposal Information

Product Code Number	Disposal Date Mo. Day Year	Disposal Method	Container No. Type	Weight
1571 Cx	2 27 87	D81	TR	25.85T

Disposal Method = D081-Landfill; D082-Landfarm; T04-Treatment

Container Types = DR-Drum; TR-Truck; CT-Cargo Tanker; VT-Vacuum Tanker; RO-Rolloff

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal permits and requirements imposed by the generator.

SIGNATURE [signature] DATE 2-27-87

TITLE [illegible]

DISTRIBUTION OF COPIES
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CANARY — Generator
PINK — EPA

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. W V D 0 0 0 4 9 6 7 2 9
Manifest Document No. 0 0 0 1 4
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Mc Graw Edison Service
1400 Bluefield, AVE., Bluefield, WV 24701
4. Generator's Phone ( )

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

5. Transporter 1 Company Name: Dart Trucking Co INC
6. US EPA ID Number: O H D 0 0 9 8 6 5 8 2 5
C. State Transporter's ID: KJP36
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone: 1-800-342-2775

9. Designated Facility Name and Site Address
FONDESSY ENTERPRISES, INC.
876 OTTER CREEK ROAD
OREGON, OH 43616
10. US EPA ID Number: O H D 0 4 5 2 4 3 7 0 6
G. State Facility's ID
H. Facility's Phone: 419-726-1521

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	Haz Waste Solid, NOS ORM-F NA 9189	X	1	T R	22	C Y	D001
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
PCN 1371 CX

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Richard T Middox
Signature: Richard T Middox EPC
Month 02 Day 28 Year 87

GENERATOR

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gary B Strasburger
Signature: Gary B Strasburger
Month 02 Day 28 Year 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

TRANSPORTER

19. Discrepancy Indication Space

FACILITY

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

Printed/Typed Name
Signature
Month Day Year

GENERATOR'S COPY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: WVD000496729 — Manifest Document No.: 32587
2. Page 1 of 1

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

3. Generator's Name and Mailing Address
McGraw Edison Services
1400 Bluefield Road W Bluefield W Va 24701

4. Generator's Phone (713) 739-5618

A. State Manifest Document Number: [redacted]
B. State Generator ID: [redacted]
C. State Transporter's ID: [redacted]
D. Transporter's Phone: [redacted]
E. State Transporter's ID: [redacted]
F. Transporter's Phone: [redacted]
G. State Facility's ID: [redacted]
H. Facility's Phone: [redacted]

5. Transporter 1 Company Name: dart Trucking
6. US EPA ID Number: OHD009865825
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
LWD Inc
Highway 1523
Calvert City Ky 42029
10. US EPA ID Number: KYD083438317

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X	Waste Resin Solution Flammable Liquid UN 1866	45	Dr	2475	G	[redacted]
b.							
c.							
d.							

GENERATOR

I. Additional Descriptions for Materials Listed Above: [redacted]

K. Handling Codes for Wastes Listed Above: [redacted]

15. Special Handling Instructions and Additional Information
PC# EW 20

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 governmental regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Frank Simmons Field Supt. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
[illegible]	[illegible]			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Date Month	Day	Year

GENERATOR'S COPY

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

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

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WVD004967290 — Manifest Document No. 15

2. Page 1 of

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

3. Generator's Name and Mailing Address
Cooper Industries, Incorporated
1400 Bluefield Avenue
Bluefield, West Virginia 24701

4. Generator's Phone (304) 327-5956

A. State Manifest Document Number: CWMA 356976

B. State Generator's ID

5. Transporter 1 Company Name: Dart Trucking

6. US EPA ID Number: OHD009865825

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
CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459

10. US EPA ID Number: ALD006224644

G. State Facility's ID

H. Facility's Phone: 205/652-9721

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Substance CWM Profile Number ORME NA9188 OART32078	001	DT	010025	Y	NH
b. CWM Profile Number					
c. CWM Profile Number					
d. CWM Profile Number					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. D-81 c.
b. d.

15. Special Handling Instructions and Additional Information
I certify that no absorbent has been added to the waste which would prohibit its being land filled per RCRA section 3004(c-1). [illegible]
TRIPLICATE

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

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

Printed/Typed Name: Richard H. Uber — Signature: [signature] — Month Day Year: 09 15 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: David Michael [illegible] — Signature: [signature] — Month Day Year: 09 23 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
Waste PCB contaminated materials
ORM-E UN-2315

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)* Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: WVD000496729 — Manifest Document No.: 00016
2. Page 1 of

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

3. Generator's Name and Mailing Address
Cooper Industries, Incorporated
Bluefield Avenue, Bluefield, West Virginia 24701
1400

4. Generator's Phone (304) 327 - 5966

A. State Manifest Document Number: CWMA 356977

B. State Generator's ID

5. Transporter 1 Company Name: Dart Trucking
6. US EPA ID Number: OHD009865825

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
CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459
10. US EPA ID Number: ALD000622464

G. State Facility's ID

H. Facility's Phone: 205/652-9721

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste, Polychlorinated Biphenyls ~~Hazardous Substance ORME NA9188~~ UN2315 CWM Profile Number 0AKT32078	001	DT	00040	Y	NH
b. CWM Profile Number					
c. CWM Profile Number					
d. CWM Profile Number					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. [illegible] c.
b. d.

15. Special Handling Instructions and Additional Information
I certify that no absorbent has been added to the above waste which would [illegible] its [illegible] per RCRA section 3004(c-1).
To # 7064

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

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

Printed/Typed Name: Richard H. Uber — Signature: [signature] — Month Day Year: 06 [illegible] 86

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gerald [illegible] 8/6/87 — Signature: [signature] — Month Day Year: 06 [illegible] 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

AR100299

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)* Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WVD000496729 — Manifest Document No. 00017

2. Page 1 of

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

3. Generator's Name and Mailing Address
Cooper Industries, Incorporated
1400 Bluefield Avenue, Bluefield, West Virginia 24701

4. Generator's Phone (304) 327 - 5966

A. State Manifest Document Number: CWMA 356978

B. State Generator's ID

5. Transporter 1 Company Name: Dart Trucking

6. US EPA ID Number: OHD009865825

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
CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459

10. US EPA ID Number: ALD000622464

G. State Facility's ID

H. Facility's Phone: 205/652-9721

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Substance ORME NA9188 — CWM Profile Number OAKT32078	001	DT	0000	Y	NH
b. CWM Profile Number					
c. CWM Profile Number					
d. CWM Profile Number					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. D81 c.
b. d.

15. Special Handling Instructions and Additional Information
I certify that no absorbent has been added to the above waste which would prohibit its being landfilled per RCRA section 3004 (c-1). [illegible]
TR#

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

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

Printed/Typed Name: Richard H. Uber — Signature: [signature] — Month Day Year: [illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: [illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

AR100300

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

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

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WVD000496729 — Manifest Document No. 00018

2. Page 1 of

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

3. Generator's Name and Mailing Address
Cooper Industries, Incorporated
1400 Bluefield Avenue, Bluefield, West Virginia 24701

4. Generator's Phone (304) 327-5966

A. State Manifest Document Number: CWMA 356980

B. State Generator's ID

5. Transporter 1 Company Name: Dart Trucking

6. US EPA ID Number: OHD009865825

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
CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459

10. US EPA ID Number: ALD000622464

G. State Facility's ID

H. Facility's Phone: 205/652-9721

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Substance ORME NA9188 — CWM Profile Number 0AKT32078	001	DT	00085	Y	NH
b. CWM Profile Number					
c. CWM Profile Number					
d. CWM Profile Number					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. D01 c.
b. d.

15. Special Handling Instructions and Additional Information
I certify that no absorbent has been added to the above waste which would prohibit its being landfilled per RCRA [illegible] 3004(c-1). [illegible]
Tr # 19213

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

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

Printed/Typed Name: Richard H. Uber — Signature: [signature] — Month Day Year: 06 [illegible] 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROBERT E. DAVIS — Signature: Robert E. Davis — Month Day Year: 06 [illegible] 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

AR100301

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

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

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. [illegible] Manifest Document No. [illegible]

2. Page 1 of

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

3. Generator's Name and Mailing Address [illegible]

4. Generator's Phone ([illegible]) [illegible]

A. State Manifest Document Number: CWMA 356982

B. State Generator's ID

5. Transporter 1 Company Name: [illegible]

6. US EPA ID Number: [illegible]

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

CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459

10. US EPA ID Number: ALD 000622464

G. State Facility's ID

H. Facility's Phone: 205/652-9721

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [illegible] CWM Profile Number [illegible]	001	DT	[illegible]	Y	NH
b. [illegible] 718 CWM Profile Number					
c. [illegible] CWM Profile Number					
d. CWM Profile Number					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

a. D81 c.

b. d.

15. Special Handling Instructions and Additional Information

[illegible]

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

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

Printed/Typed Name: [illegible] Signature: [illegible] Month Day Year: [illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Tony F Rider Signature: Tony F Rider Month Day Year: 06 24 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

[illegible]

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

Printed/Typed Name Signature Month Day Year

GENERATOR

TRANSPORTER

FACILITY

AR100302

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)* Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WVD 0 0 7 9 7 2 9 0 0 — Manifest Document No.

2. Page 1 of

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

3. Generator's Name and Mailing Address
Cooper Industries, Incorporated
[illegible]

4. Generator's Phone ([illegible]) [illegible]

A. State Manifest Document Number: CWMA 332985

B. State Generator's ID

5. Transporter 1 Company Name: DART Trucking

6. US EPA ID Number: [illegible]

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
CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459

10. US EPA ID Number: A L D 0 0 0 6 2 2 4 6 4

G. State Facility's ID

H. Facility's Phone: 205/652-9721

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [illegible] CWM Profile Number [illegible]	[illegible]	[illegible]	[illegible]	Y	NH
b. CWM Profile Number					
c. CWM Profile Number					
d. CWM Profile Number					

J. Additional Descriptions for Materials Listed Above
[illegible]

K. Handling Codes for Wastes Listed Above
a. DX1 c.
b. d.

15. Special Handling Instructions and Additional Information
I certify that no absorbent has been added to the waste shipped [illegible]
[illegible] 5068

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

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

Printed/Typed Name: [illegible] Signature: [illegible] Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GARRY D. PRICHARD Signature: Garry D. Prichard Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

FACILITY

19. Discrepancy Indication Space
Waste PCB contaminated materials
[illegible]

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Signature Month Day Year

AR100303

GENERATOR'S WASTE MATERIAL PROFILE SHEET
MISCELLANEOUS SPECIAL WASTE

OAK T 32078

INSTRUCTIONS FOR COMPLETING THIS FORM ARE FOUND ON THE OPPOSITE SIDE. RETURN THIS FORM AND ATTACHMENTS TO:
SEND BILLING & CONTRACT INFORMATION TO:
ATT: FRANK SIMUNIC FIELD SUPT. ENV. HAZ.
150 LINCOLN AVE, GROVE CITY PENN 16127

Sara White Fax
Roberts

A GENERAL INFORMATION

GENERATOR NAME: Cooper Industries
TRANSPORTER: Dart Trucking
FACILITY ADDRESS: Bluefield, West Va.
TRANSPORTER PHONE: 216 533 9841
GENERATOR USEPA I.D.: WV B 0 0 0 4 95729
GENERATOR STATE I.D.:
TECHNICAL CONTACT: Mr. Rick Uber
TITLE: Sr. Environmental
PHONE: 301 327-5966 412 155-5000
NAME OF WASTE: PCB Contaminated solids
PROCESS GENERATING WASTE: Plant closed- Site clean-up

B CLASSIFICATION OF WASTE MATERIAL (FROM INSTRUCTIONS):
PCB contaminated solids

DESCRIPTION OF MATERIAL (FOLLOW SUPPLEMENTAL INSTRUCTIONS):

PCB contaminated solids 100%

Contains wood block flooring, debri, floor sweepings, soils etc

Materials are contaminated with PCB's from electric motor dismantling operations. Laboratory analysis show PCB's at levels of 10 ppm to 360ppm.

All material will be shipped in bulk solids

F.Y.I
Louise

ATTACHMENTS (INDICATE BELOW WHAT ATTACHMENTS — ANALYSIS, STUDIES, PRODUCT SPEC SHEETS, ETC. — ARE MADE):

C SHIPPING INFORMATION

METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID ☐ DRUM (TYPE/SIZE)
ANTICIPATED VOLUME: GALS. 100 to 150 CUBIC YDS. OTHER
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

GENERATOR CERTIFICATION. BY SIGNING THIS PROFILE SHEET, GENERATOR CERTIFIES THAT:
- UNLESS CLEARLY STATED ABOVE OR IN THE ATTACHMENTS, THIS WASTE MATERIAL IS NOT A "HAZARDOUS WASTE" AS DEFINED BY EITHER USEPA (40 CFR PART 261) OR THE STATE IN WHICH THE WASTE IS NOW LOCATED.
- THE WASTE DOES NOT CONTAIN POLYCHLORINATED BIPHENYLS OR 2, 3, 7, 8 - TCDD, UNLESS CLEARLY NOTED.
- THIS SHEET AND ITS ATTACHMENTS CONTAIN TRUE AND ACCURATE DESCRIPTIONS OF THE WASTE MATERIAL, AND ALL RELEVANT INFORMATION IN THE POSSESSION OF GENERATOR HAS BEEN DISCLOSED.

NAME: Frank Simunic
SIGNATURE:
TITLE:
DATE:

GENERATOR'S WAS MATERIAL PROFILE SHEET
MISCELLANEOUS SPECIAL WASTE

Fed Ex # 3794691165

WASTE PROFILE SHEET CODE: T 71001

INSTRUCTIONS FOR COMPLETING THIS FORM ARE FOUND ON THE OPPOSITE SIDE. RETURN THIS FORM AND ATTACHMENTS TO:

Outerloop Landfill
P. O. Box 19495
2673 Outerloop, Louisville, KY. 40219 Attn. Shirc Robinson

502-966-0272

A GENERAL INFORMATION

GENERATOR NAME: Cooper Industries
TRANSPORTER: Dart Trucking
FACILITY ADDRESS: 1400 Bluefield Avenue
Bluefield, West Virginia 24701
TRANSPORTER PHONE: (216)533-9841
GENERATOR USEPA I.D.: W V D 0 0 0 4 9 6 7 2 9
GENERATOR STATE I.D.:
TECHNICAL CONTACT: Richard Uber
TITLE: Sr. Env. Engr.
PHONE: (304)327-5966
NAME OF WASTE: Non Hazardous Industrial Waste, Wood and Paper (412)458-8000
PROCESS GENERATING WASTE: Site Clean Up of Closed Facility

B CLASSIFICATION OF WASTE MATERIAL (FROM INSTRUCTIONS):

Waste Produced from the Plant Closing.

DESCRIPTION OF MATERIAL (FOLLOW SUPPLEMENTAL INSTRUCTIONS):

Wooden Spools
Wooden Pallets
Miscellaneous, Wood, Paper, Tape

ATTACHMENTS (INDICATE BELOW WHAT ATTACHMENTS — ANALYSIS, STUDIES, PRODUCT SPEC SHEETS, ETC — ARE MADE):

Attached are analysis for PCB's and EpTox metals for each of four (4) 20 cubic yard rolloff hoppers, one (1) for wooden pallets and one (1) for wooden spools.

C SHIPPING INFORMATION

METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☐ DRUM (TYPE/SIZE)
ANTICIPATED VOLUME: GALS. CUBIC YDS OTHER
PER: ☐ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

GENERATOR CERTIFICATION. BY SIGNING THIS PROFILE SHEET, GENERATOR CERTIFIES THAT:

- UNLESS CLEARLY STATED ABOVE OR IN THE ATTACHMENTS, THIS WASTE MATERIAL IS NOT A "HAZARDOUS WASTE" AS DEFINED BY EITHER USEPA (40 CFR PART 261) OR THE STATE IN WHICH THE WASTE IS NOW LOCATED
- THE WASTE DOES NOT CONTAIN POLYCHLORINATED BIPHENYLS OR 2, 3, 7, 8 - TCDD, UNLESS CLEARLY NOTED
- THIS SHEET AND ITS ATTACHMENTS CONTAIN TRUE AND ACCURATE DESCRIPTIONS OF THE WASTE MATERIAL, AND ALL RELEVANT INFORMATION IN THE POSSESSION OF GENERATOR HAS BEEN DISCLOSED.

NAME: Richard [illegible]
SIGNATURE:
TITLE: [illegible]
DATE: [illegible]

FORM WMI-50-42 Rev. 9 [illegible] 1984 WASTE MANAGEMENT INC.

AR100305

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PITTSBURGH, PENNSYLVANIA	(412) 261-2910
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