'AL FORM 96 (7-80)

X TRANSMITTAL

# of pages ▶ 3

To: ...n El-Zein

From: Karen Smith

Phone #

Fax #

5099-101 GENERAL SERVICES ADMINISTRATION

SITE INVESTIGATION PLAN

EPA Region 5 Records Ctr.

247472

FOR

JACKSON DROP FORGE SITE

JACKSON, MICHIGAN

BCM PROJECT NO. 00-7853-01

SEPTEMBER, 1994

BCM

Engineers, Planners, Scientists and Laboratory Services

REPORT

BCM

APPENDICES

APPENDIX A - FIGURES

FIGURE 1 Site Feature Diagram
FIGURE 1A Solid Waste Sample Locations for Polymer Identification
FIGURE 1B Solid Waste Sample Locations for Waste Characterization
FIGURE 1C Solid Waste Sample Locations for PCB Analysis
FIGURE 1D Solid Waste Sample Locations for Additional PCB Analysis
FIGURE 2 Surface Soil Sample Locations
FIGURE 3 Sediment and Surface Water Sample Locations
FIGURE 4 Soil Boring and Monitoring Well Locations
FIGURE 5 Phase Two Surface Soil and Sediment Sample Locations
FIGURE 6 Phase Two Monitoring Well Locations

APPENDIX B - TABLES

TABLE 1A Solid Waste Disposal Characterization
TABLE 2 Solid Waste Category Designation
TABLE 3 Soil and Sediment Sample Laboratory Analytical Parameters
TABLE 4 Surface Water and Groundwater Sample Laboratory Analytical Parameters

APPENDIX C - SOIL BORING LOGS

Boring/Well No. PH-1-1
Boring/Well No. PH-1-3
Boring/Well No. PH-1-4
Boring/Well No. PH-1-5
Boring/Well No. PH-1-6

APPENDIX D - LABORATORY ANALYTICAL TABLES

TABLE 1 Solid Waste Characterization (First Sampling Event)
TABLE 2 Solid Waste PCB Analyses (Second Sampling Event)

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TABLE 3 Solid Waste PCB Reanalyses of Waste Streams E and R
TABLE 4 Solid Waste Characterization (Third Sampling Event)
TABLE 5 Solid Waste PCB Analyses (Fourth Sampling Event)
TABLE 6 Surface Soil Sample Analyses
TABLE 7 Sediment Sample Analyses
TABLE 8 Soil Boring Sample Analyses
TABLE 9 Surface Water Sample Analyses
TABLE 10 Groundwater Sample Analyses

APPENDIX E

Laboratory Chain-of-Custody Documentation

APPENDIX F

Michigan Environmental Response Act (P.A. 307) Operational Memorandum #6, Revision 3, February 4, 1994

Michigan Environmental Response Act (P.A. 307) Operational Memorandum #8, Revision 3, February 4, 1994 (with addendum)

Michigan Department of Natural Resources - Guidance Document for Verification of Soil Remediation, Revised April 1994

APPENDIX G - Bound Separately

VOLUME 1 - Solid Waste Laboratory Data Sheets
VOLUME 2 - Soil, Sediment, Surface and Groundwater Laboratory Data Sheets

APPENDIX H - Bound Separately

Data Quality Assessment

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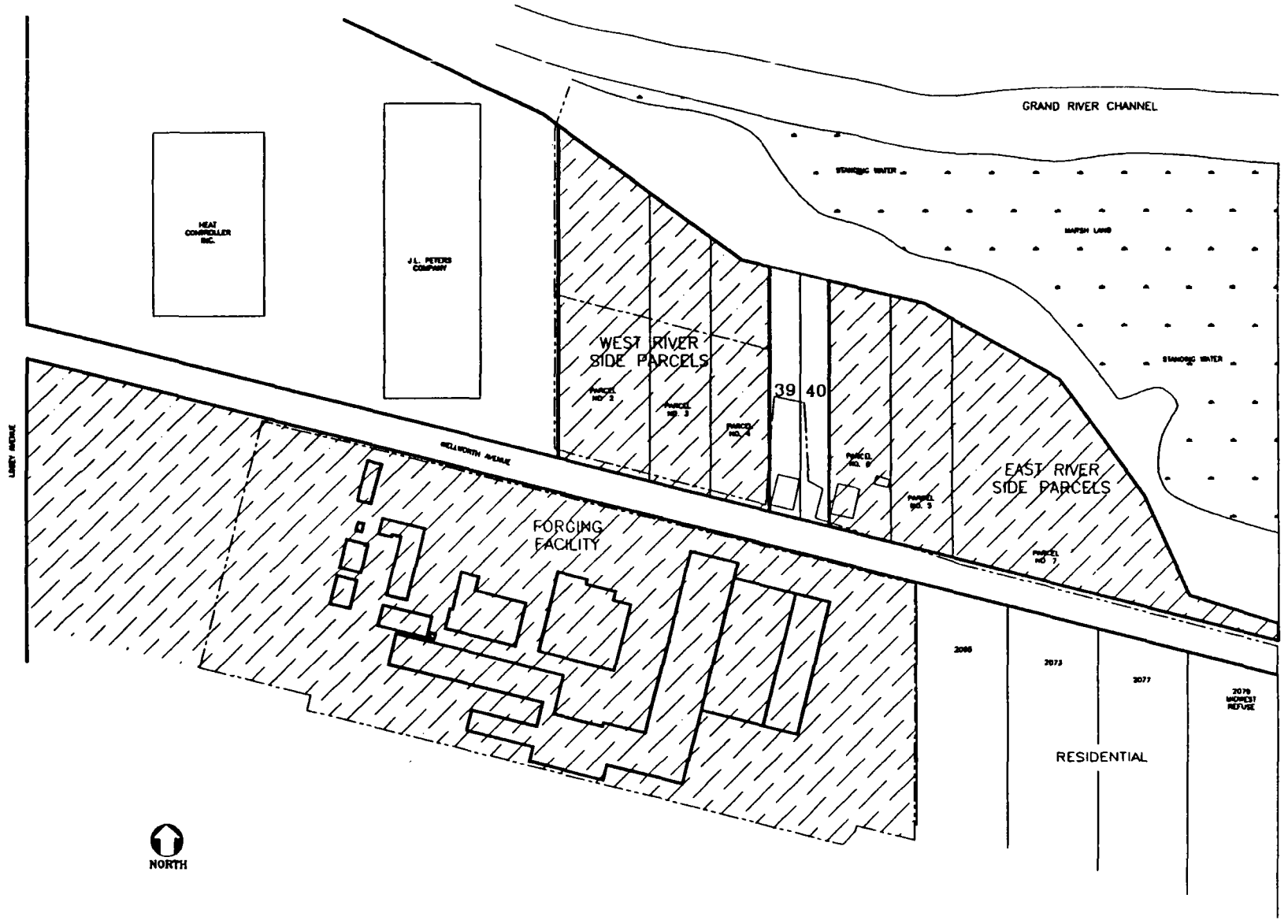

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41860 SIX MILE ROAD SUITE 103 NORTHVILLE, MICHIGAN 48167

LEGEND

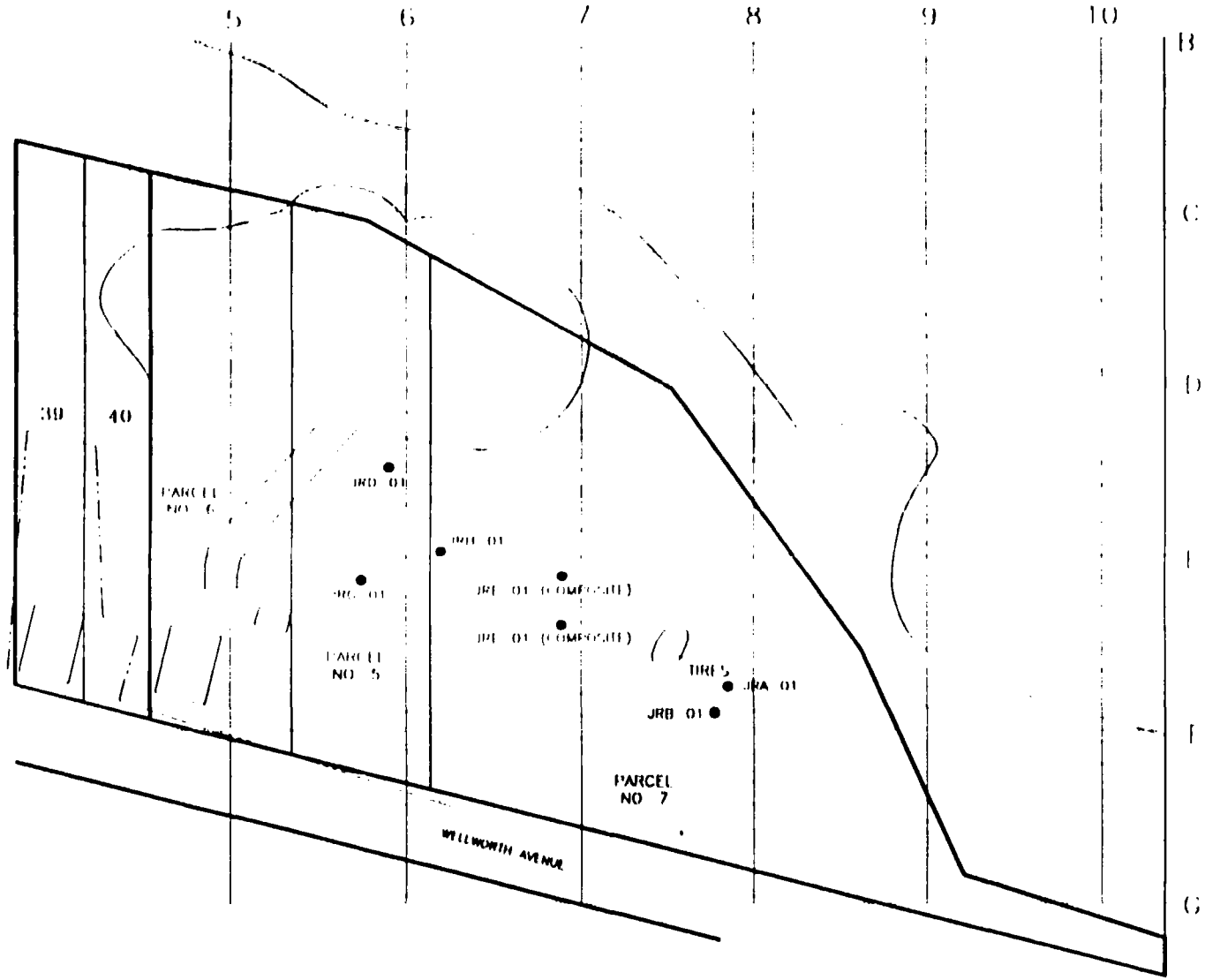
FENCE

FLOOD PLAIN

2001 Welworth Avenue
JACKSON, MICHIGAN

FIGURE 1
SITE FEATURE DIAGRAM

SCALE 1" = 200'
PROJECT NO. 00-7853-01
DATE 8/94
SHEET 1 OF 1



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FENCE

JRB 01 SAMPLE LOCATION

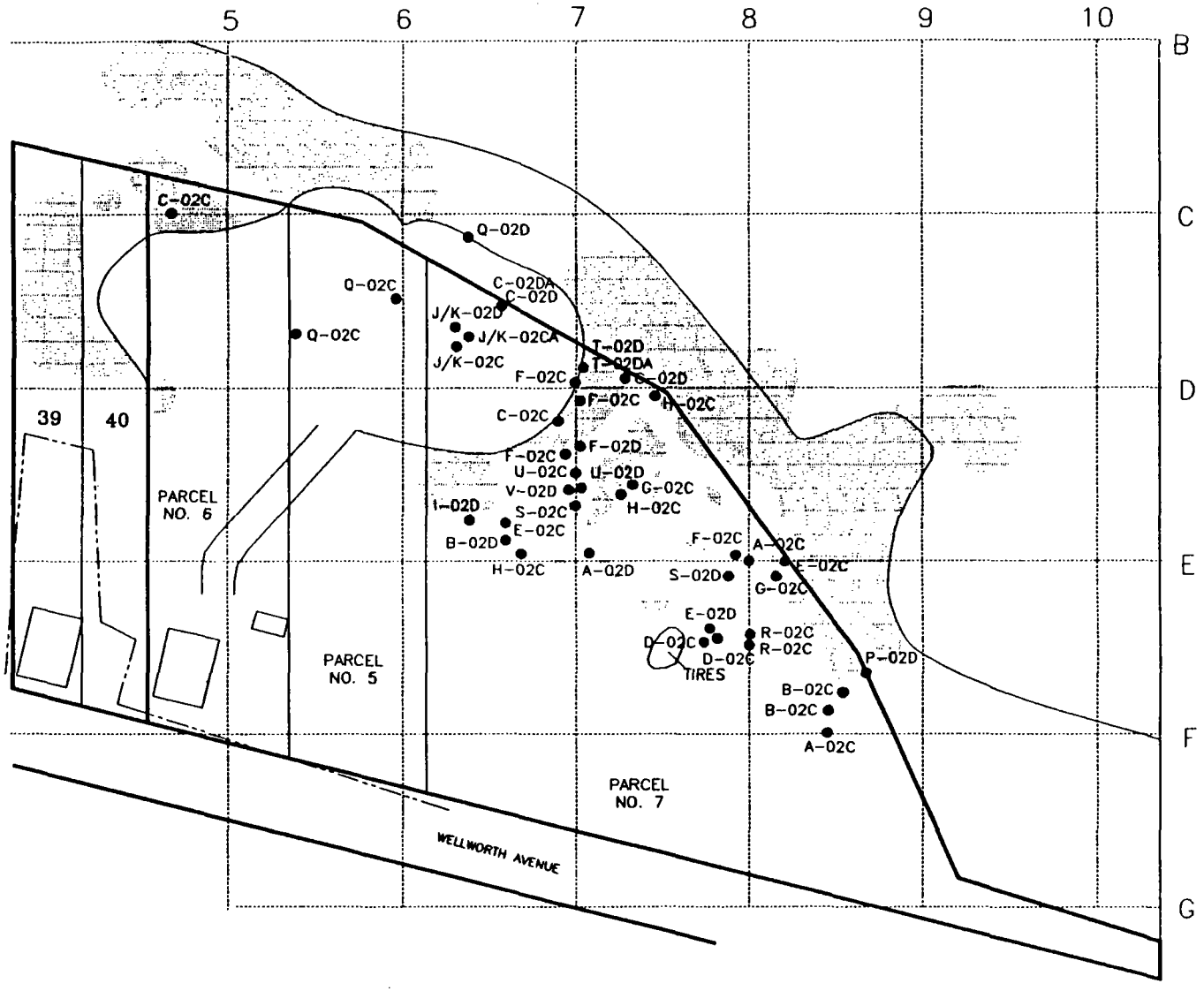
PILES OF EXPOSED DRUMS

JACKSON DROP FORGE

2001 WELLWORTH AVENUE
JACKSON, MICHIGAN

FIGURE 1A
SOLID WASTE SAMPLE LOCATIONS FOR POLYMER IDENTIFICATION AND WASTE CHARACTERIZATION

SCALE 1" = 100'
PROJECT NO 00 7853 01
DATE 8/3/94
SHEET 1 OF 1



NORTH

NOTE: SAMPLE IDENTIFICATION NUMBERS ABBREVIATED FROM JR DESIGNATION (i.e. JRA-02C = A-02C)

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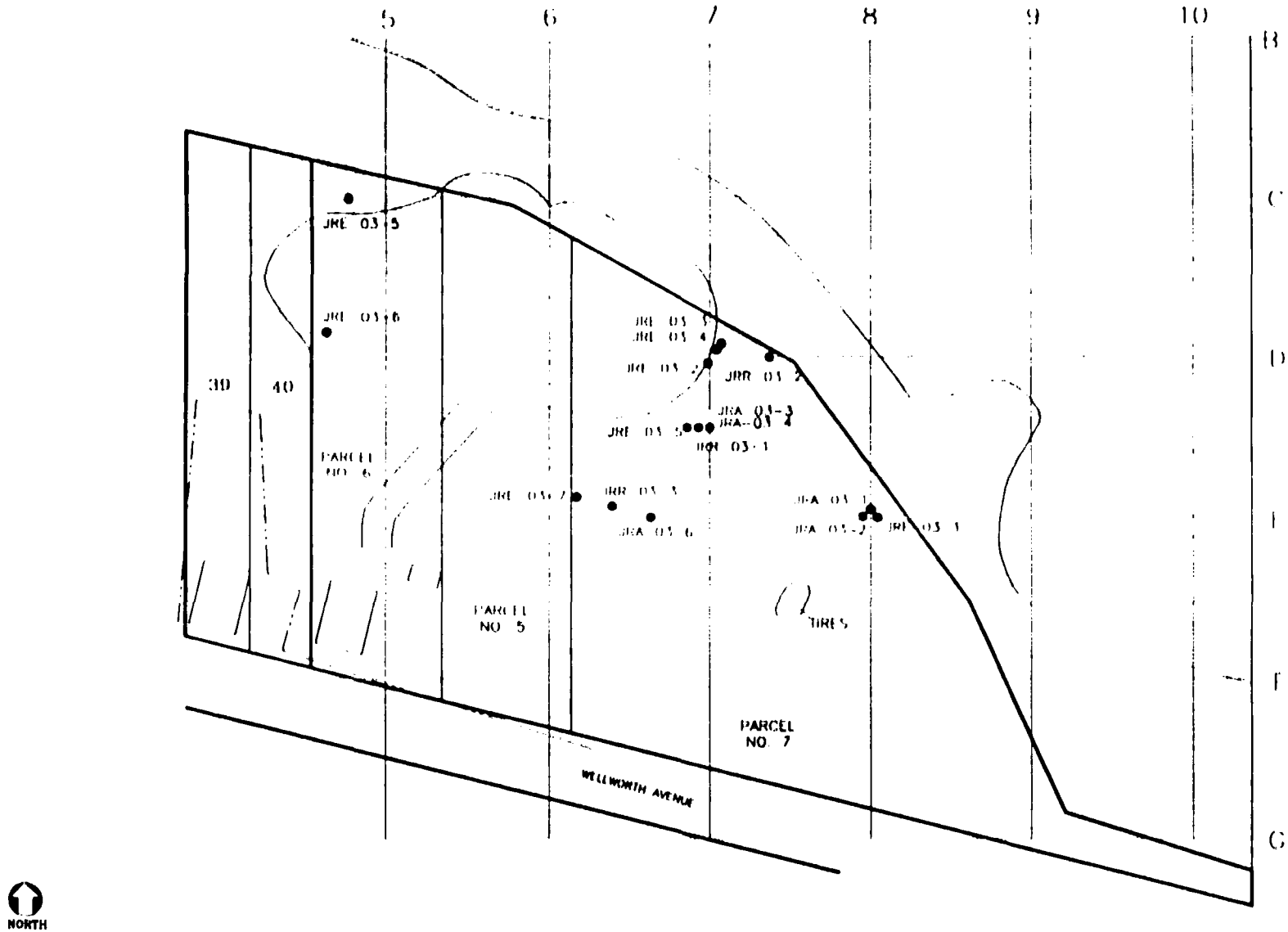
———	FENCE
B-02D ●	SAMPLE LOCATION
	PILES OF EXPOSED DRUMS

JACKSON DROP FORGE
2001 WELLWORTH AVENUE
JACKSON, MICHIGAN

FIGURE 1B
SOLID WASTE SAMPLE LOCATIONS FOR WASTE CHARACTERIZATION

SCALE 1" = 100'
PROJECT NO 00-7853-01
DATE 8/3/94
SHEET 1 OF 1



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FENCE

JRE-03-1 SAMPLE LOCATION

PILES OF EXPOSED DRUMS

JACKSON DROP FORGE

2001 WELLWORTH AVENUE
JACKSON, MICHIGAN

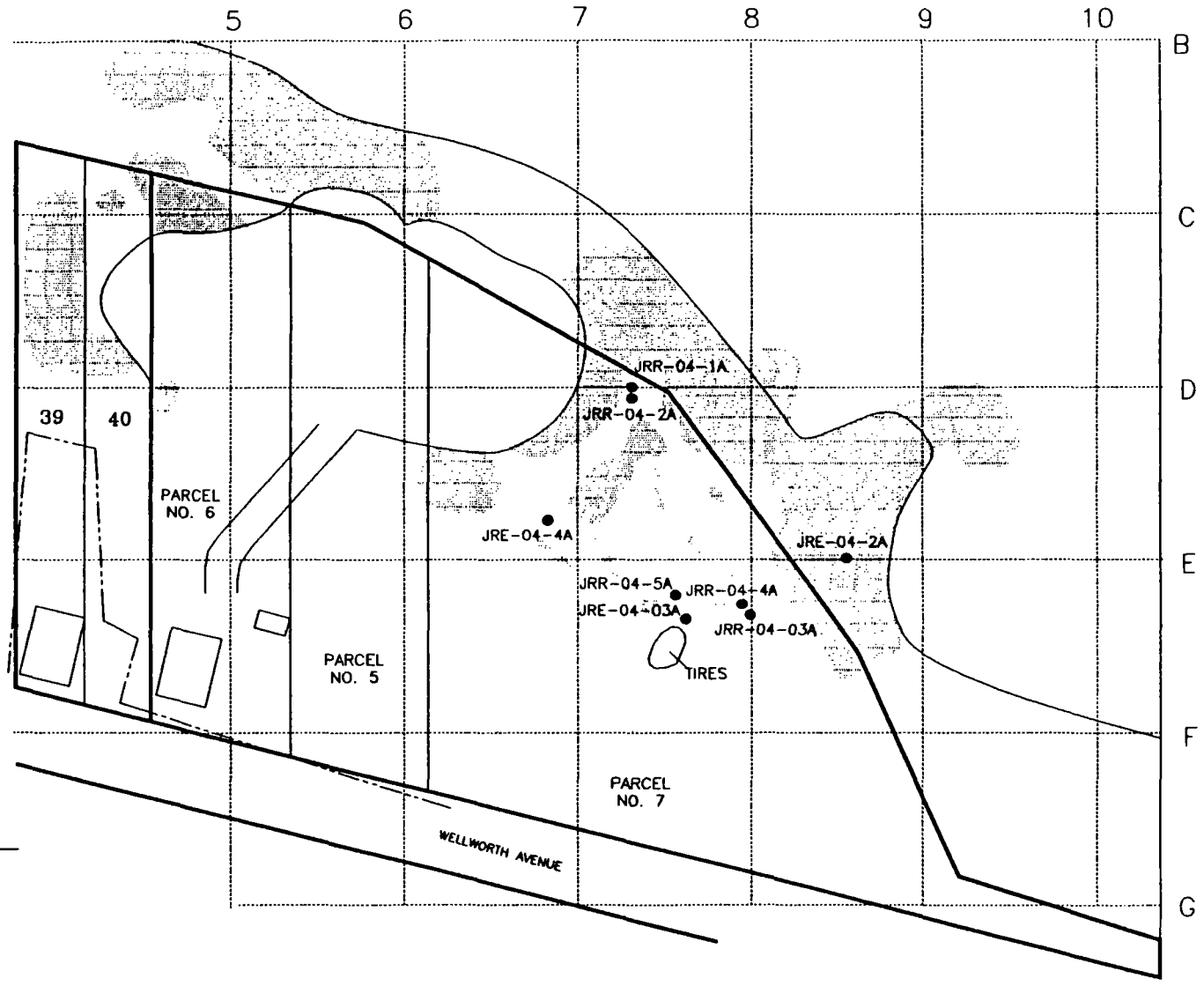
FIGURE 1C
SOLID WASTE SAMPLE LOCATIONS
FOR PCB ANALYSIS

SCALE 1" = 100'

PROJECT NO 00-7853-01

DATE 8/3/94

SHEET 1 of 1



NO SAMPLE LOCATION

JRE-02C0
JRE-02C1
JRE-02C2

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FENCE

JRR-04-1A SAMPLE LOCATION

PILES OF EXPOSED DRUMS

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2001 WELLWORTH AVENUE
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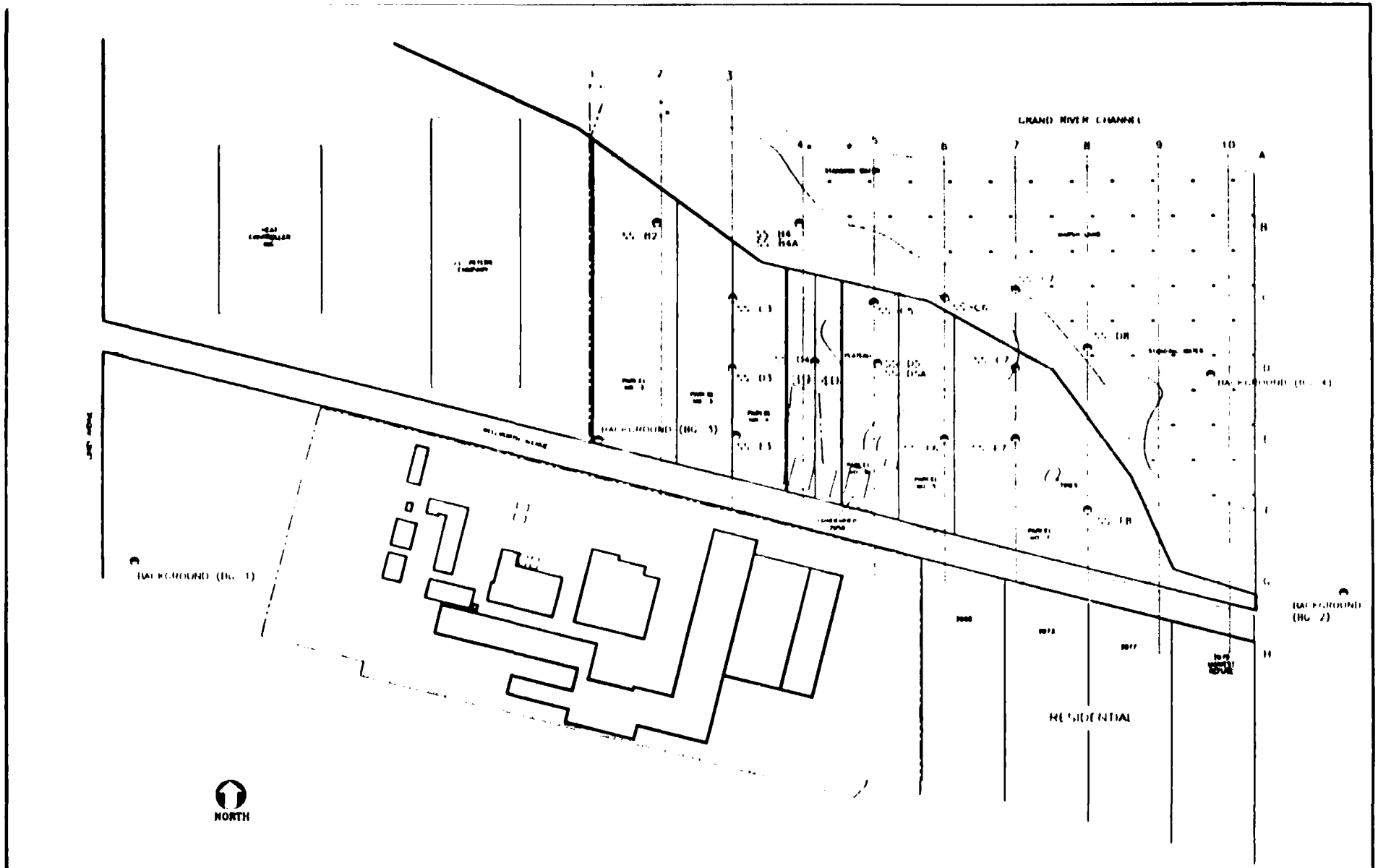
FIGURE 1D
SOLID WASTE SAMPLE LOCATIONS FOR ADDITIONAL PCB ANALYSIS AND POLYMER IDENTIFICATION

SCALE 1" = 100'
PROJECT NO. 00-7853-01
DATE 8/3/94
SHEET 1 OF 1



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PHASE ONE SURFACE SOIL SAMPLE LOCATION

PILES OF EXPOSED DRUMS

FENCE

UST LOCATION

JACKSON DROP FORGE

2001 WELLWORTH AVENUE
JACKSON, MICHIGAN

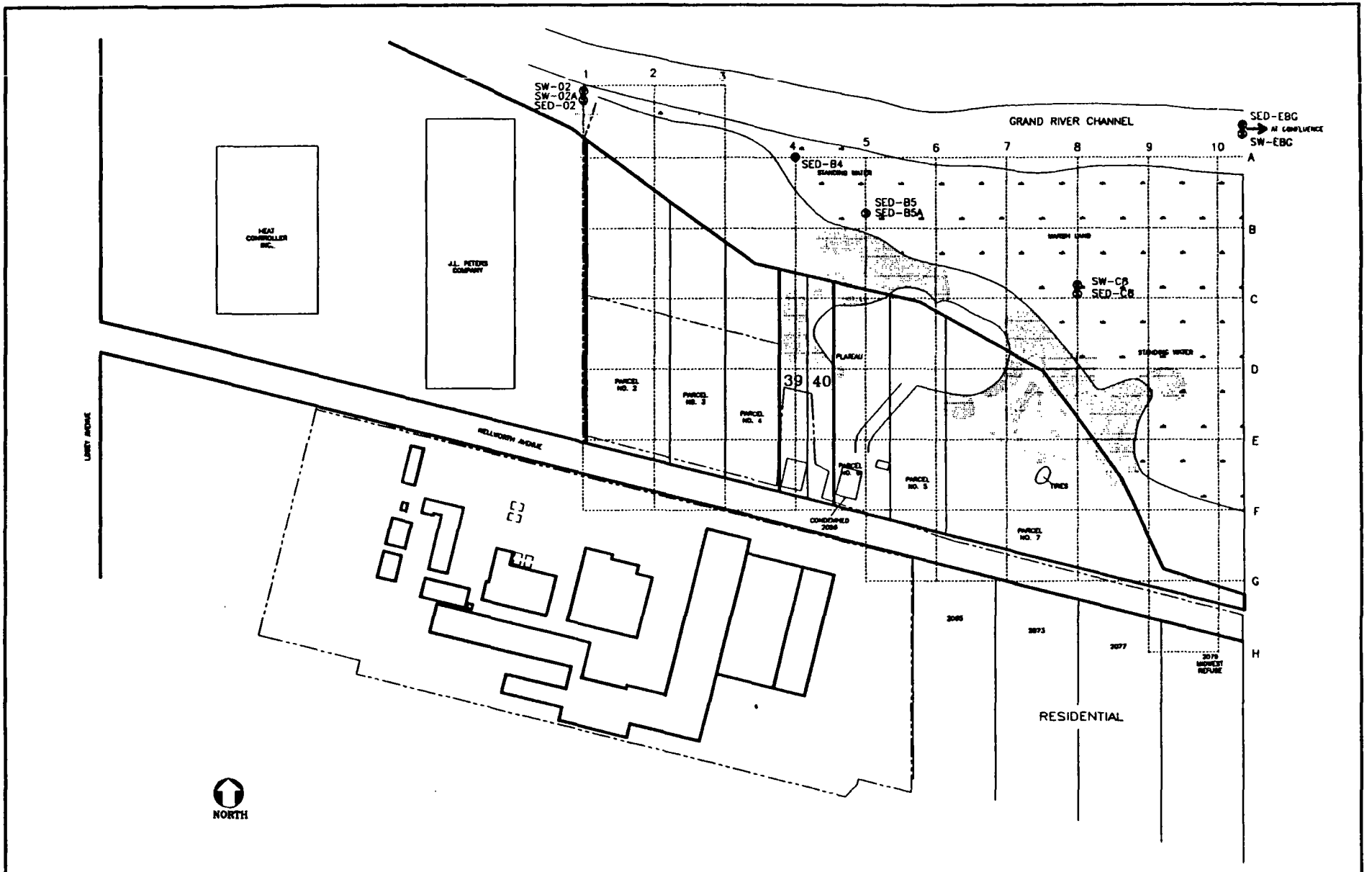
FIGURE 2
SURFACE SOIL SAMPLE LOCATIONS

SCALE 1" = 200'

PROJECT NO 00 7853-01

DATE 8/3/94

SHEET 1 OF 1



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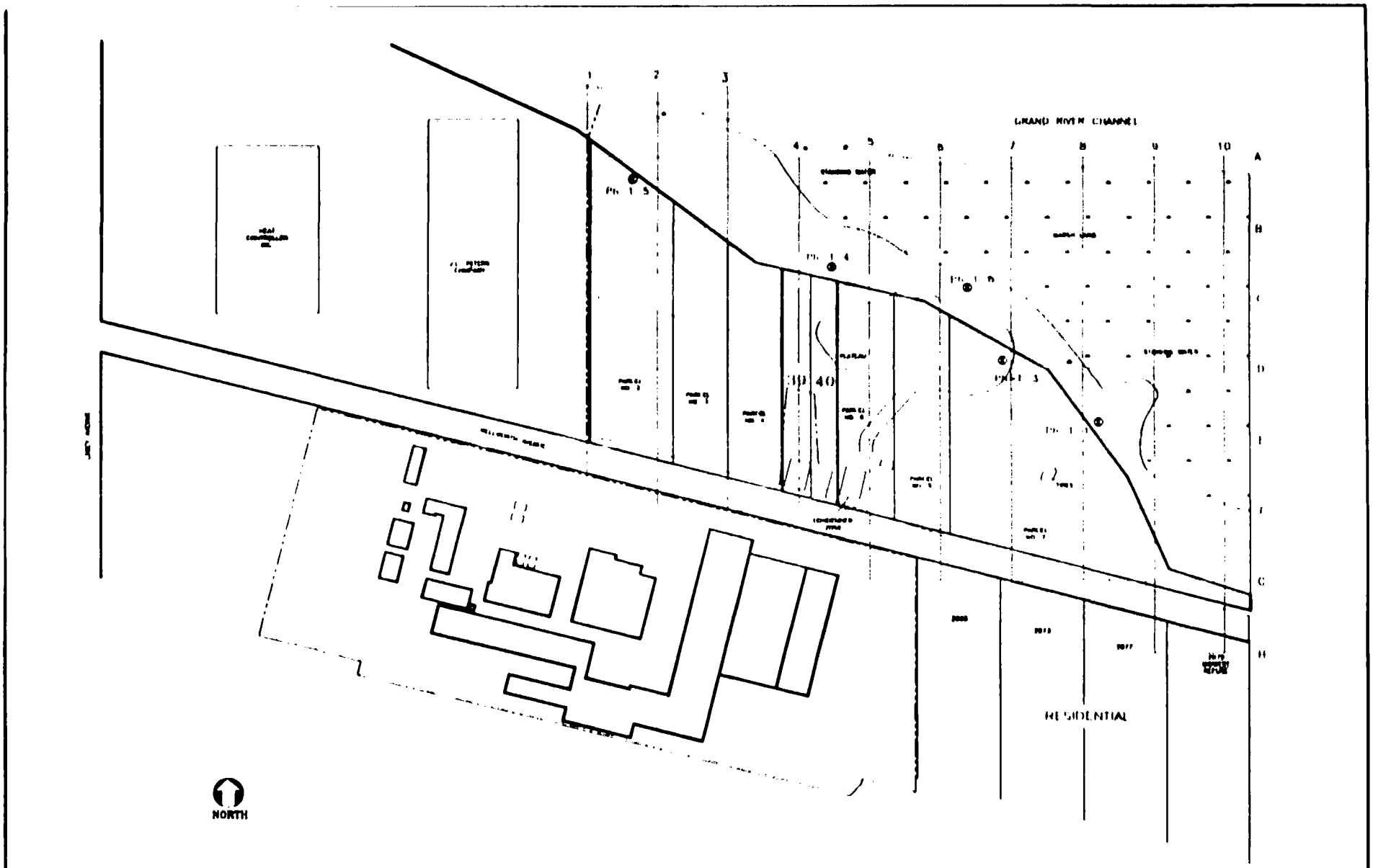
- FENCE
- PHASE ONE SEDIMENT SAMPLE LOCATION
- FLOOD PLAIN
- PHASE ONE SURFACE WATER SAMPLE LOCATION
- PILES OF EXPOSED DRUMS

JACKSON DROP FORGE
2001 WELLWORTH AVENUE
JACKSON, MICHIGAN

FIGURE 3
SEDIMENT AND SURFACE WATER
SAMPLE LOCATIONS

SCALE 1" = 200'
PROJECT NO. 00-7853-01
DATE 8/3/94
SHEET 1 of 1



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LEGEND

FENCE

PHASE ONE SOIL BORING AND MONITORING WELL LOCATION

PILES OF EXPOSED DRUMS

JACKSON DROP FORGE

2001 WELLWORTH AVENUE
JACKSON, MICHIGAN

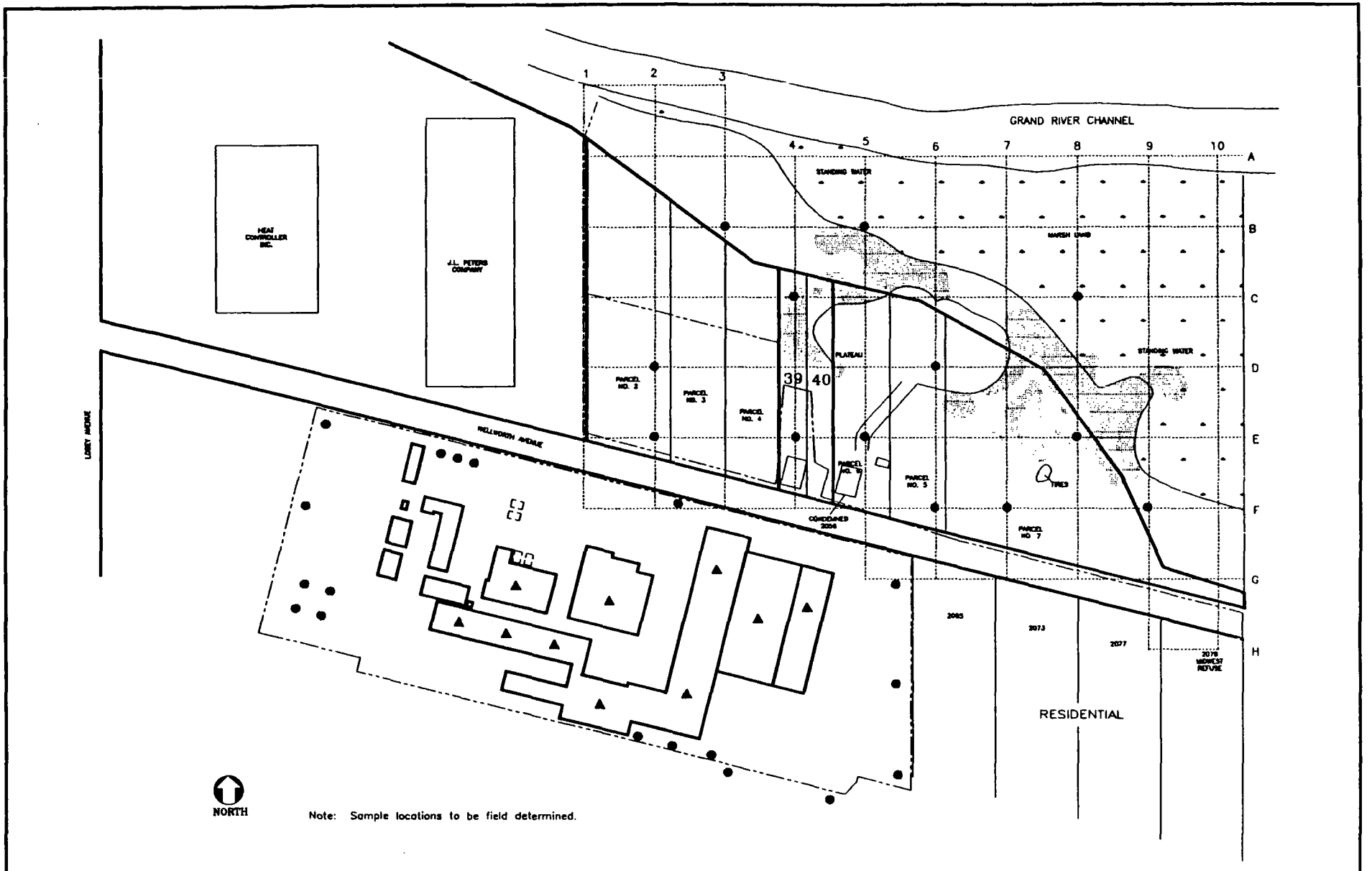
FIGURE 4
SOIL BORING AND
MONITORING WELL LOCATIONS

SCALE 1" = 200'

PROJECT NO 00-7853-01

DATE 8/1/94

SHEET 1 OF 1



Note: Sample locations to be field determined.

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- ● PROPOSED PHASE TWO SURFACE SOIL SAMPLE LOCATION
- ▲ PROPOSED FLOOR DEBRIS SAMPLE
- ⊗ PROPOSED SEDIMENT SAMPLES

ORIGINAL PILES OF EXPOSED DRUMS

JACKSON DROP FORGE

2001 WELLWORTH AVENUE
JACKSON, MICHIGAN

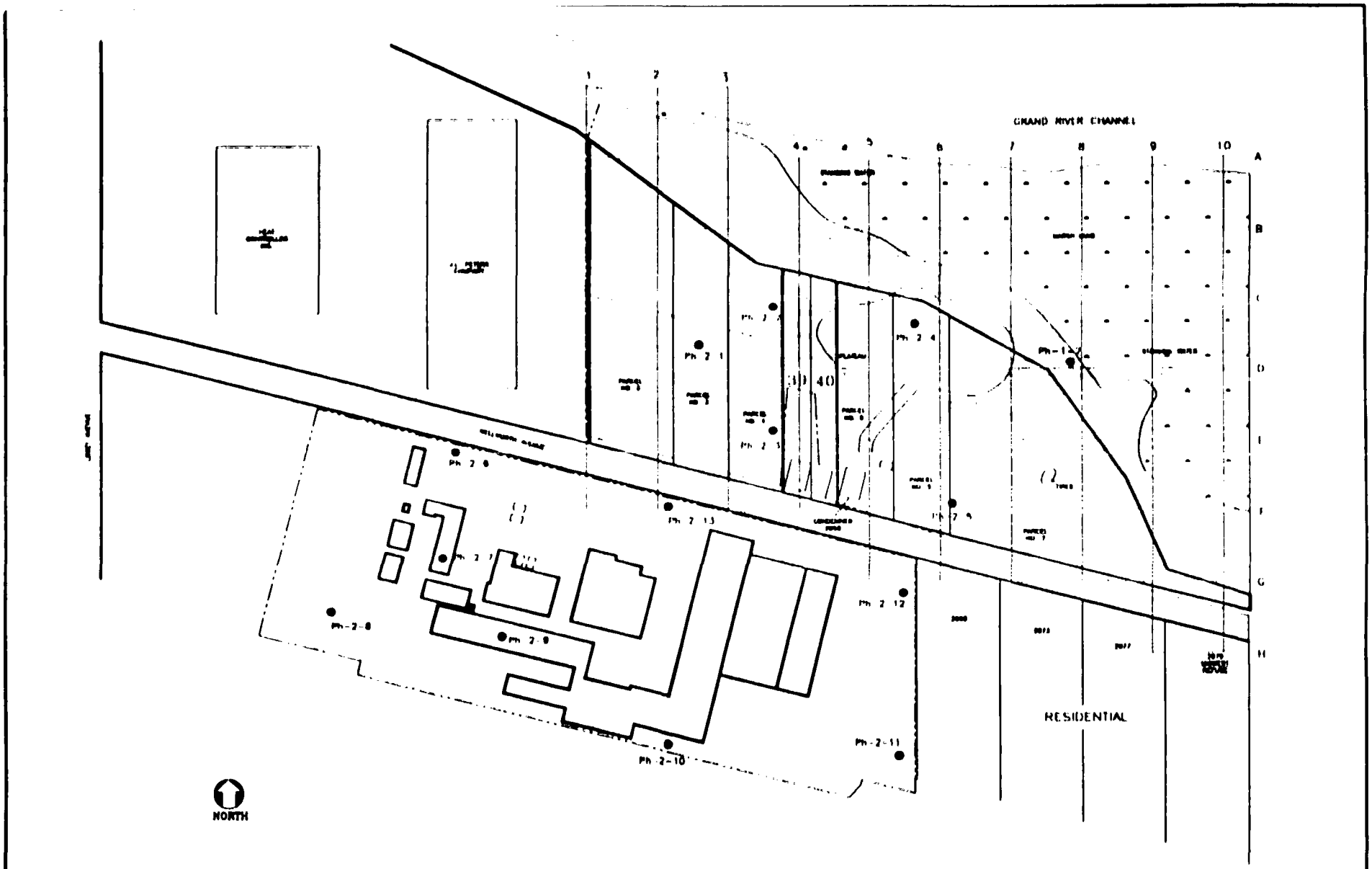
FIGURE 5
PHASE TWO SURFACE SOIL SAMPLE LOCATIONS

SCALE 1" = 200'

PROJECT NO. 00-7853-01

DATE 9-26-94

SHEET 1 OF 1



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LEGEND

● PROPOSED PHASE TWO MONITORING WELL LOCATION

ORIGINAL PILES OF EXPOSED DRUMS

JACKSON DROP FORGE
2001 WELLWORTH AVENUE
JACKSON, MICHIGAN

FIGURE 6
PHASE TWO MONITORING WELL LOCATIONS

SCALE	1" = 200'
PROJECT NO	00-7853-01
DATE	8-24-94
SHEET	1 OF 1

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APPENDIX D

LABORATORY ANALYTICAL TABLES

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DATA REPORTING QUALIFIERS

Samples analyzed for Volatiles, and/or Semivolatiles (base neutrals, acid extractables or both) by GC/MS (MS) can have the following result qualifiers:

Value If the result is a value greater than or equal to the detection limit, report the value.

< Indicates compound was analyzed for, but not detected. Report the minimum detection limit for the sample with the (e.g. <10) based on necessary concentration/dilution action (this is not necessarily the instrument detection limit). The footnote should read: <-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 ug/L and a concentration of 3.0 ug/L is calculated, report as 3J.

B This flag is used when the analyte is found in the blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

TABLE 1 - SOLID WASTE CHARACTERIZATION
FIRST SAMPLING EVENT

TABLE 1 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Hazardous Parameters				
JRG-01&JRA-01	2/4/93	Corrosivity		SEE COM		
JRG-01&JRA-01	2/4/93	Ignitability, As specified in		passes		
JRG-01&JRA-01	2/4/93	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRG-01&JRA-01	2/4/93	Total Releasable Sulfide as H2	<	50		mg/kg
		Metals				
JRG-01&JRA-01	2/4/93	Silver	<	0.01		mg/l
JRG-01&JRA-01	2/4/93	Arsenic	<	0.2		mg/l
JRG-01&JRA-01	2/4/93	Barium		0.512		mg/l
JRG-01&JRA-01	2/4/93	Cadmium	<	0.005		mg/l
JRG-01&JRA-01	2/4/93	Chromium	<	0.01		mg/l
JRG-01&JRA-01	2/4/93	Copper	<	0.02		mg/l
JRG-01&JRA-01	2/4/93	Mercury	<	0.0002		mg/l
JRG-01&JRA-01	2/4/93	Lead		1.01		mg/l
JRG-01&JRA-01	2/4/93	Selenium	<	0.2		mg/l
JRG-01&JRA-01	2/4/93	Zinc		0.22		mg/l
		Semi-Volatile Organics				
JRG-01&JRA-01	2/4/93	Pentachlorophenol	<	100		ug/l
JRG-01&JRA-01	2/4/93	2,4,6-Trichlorophenol	<	20		ug/l
JRG-01&JRA-01	2/4/93	2,4,5-Trichlorophenol	<	100		ug/l
JRG-01&JRA-01	2/4/93	2-Methylphenol (o-Cresol)	<	20		ug/l
JRG-01&JRA-01	2/4/93	4-Methylphenol (p-Cresol)	<	20		ug/l
JRG-01&JRA-01	2/4/93	3-Methylphenol (m-Cresol)	<	20		ug/l
JRG-01&JRA-01	2/4/93	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRG-01&JRA-01	2/4/93	1,4-Dichlorobenzene	<	20		ug/l
JRG-01&JRA-01	2/4/93	2,4-Dinitrotoluene	<	20		ug/l
JRG-01&JRA-01	2/4/93	Hexachlorobenzene	<	20		ug/l
JRG-01&JRA-01	2/4/93	Hexachlorobutadiene	<	20		ug/l
JRG-01&JRA-01	2/4/93	Hexachloroethane	<	20		ug/l
JRG-01&JRA-01	2/4/93	Nitrobenzene	<	20		ug/l
JRG-01&JRA-01	2/4/93	Pyridine	<	20		ug/l
		Volatile Organics				
JRG-01&JRA-01	2/4/93	Methyl ethyl ketone	<	10		ug/l
JRG-01&JRA-01	2/4/93	Tetrachloroethylene	<	5		ug/l
JRG-01&JRA-01	2/4/93	Trichloroethene	<	5		ug/l
JRG-01&JRA-01	2/4/93	Benzene	<	5		ug/l
JRG-01&JRA-01	2/4/93	Carbon Tetrachloride	<	5		ug/l
JRG-01&JRA-01	2/4/93	Chlorobenzene	<	5		ug/l
JRG-01&JRA-01	2/4/93	Chloroform	<	5		ug/l
JRG-01&JRA-01	2/4/93	1,2-Dichloroethane	<	5		ug/l
JRG-01&JRA-01	2/4/93	1,1-Dichloroethane	<	5		ug/l
JRG-01&JRA-01	2/4/93	Vinyl Chloride	<	10		ug/l
		PCBs				
JRG-01&JRA-01	2/4/94	PCB-1260		220		ug/kg
		Hazardous Parameters				
JRB-01&JRE-01	2/4/93	Corrosivity		SEE COM		
JRB-01&JRE-01	2/4/93	Ignitability, As specified in		passes		
JRB-01&JRE-01	2/4/93	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRB-01&JRE-01	2/4/93	Total Releasable Sulfide as H2	<	50		mg/kg

TABLE 1 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Metals				
JRB-01&JRE-01	2/4/93	Silver	<	0.01		mg/l
JRB-01&JRE-01	2/4/93	Arsenic		0.257		mg/l
JRB-01&JRE-01	2/4/93	Barium		0.263		mg/l
JRB-01&JRE-01	2/4/93	Cadmium	<	0.005		mg/l
JRB-01&JRE-01	2/4/93	Chromium		0.064		mg/l
JRB-01&JRE-01	2/4/93	Copper	<	0.02		mg/l
JRB-01&JRE-01	2/4/93	Mercury	<	0.0002		mg/l
JRB-01&JRE-01	2/4/93	Lead	<	0.1		mg/l
JRB-01&JRE-01	2/4/93	Selenium	<	0.2		mg/l
JRB-01&JRE-01	2/4/93	Zinc		0.486		mg/l
		Semi-Volatile Organics				
JRB-01&JRE-01	2/4/93	Pentachlorophenol	<	100		ug/l
JRB-01&JRE-01	2/4/93	2,4,6-Trichlorophenol	<	20		ug/l
JRB-01&JRE-01	2/4/93	2,4,5-Trichlorophenol	<	100		ug/l
JRB-01&JRE-01	2/4/93	2-Methylphenol (o-Cresol)	<	20		ug/l
JRB-01&JRE-01	2/4/93	4-Methylphenol (p-Cresol)	<	20		ug/l
JRB-01&JRE-01	2/4/93	3-Methylphenol (m-Cresol)	<	20		ug/l
JRB-01&JRE-01	2/4/93	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRB-01&JRE-01	2/4/93	1,4-Dichlorobenzene	<	20		ug/l
JRB-01&JRE-01	2/4/93	2,4-Dinitrotoluene	<	20		ug/l
JRB-01&JRE-01	2/4/93	Hexachlorobenzene	<	20		ug/l
JRB-01&JRE-01	2/4/93	Hexachlorobutadiene	<	20		ug/l
JRB-01&JRE-01	2/4/93	Hexachloroethane	<	20		ug/l
JRB-01&JRE-01	2/4/93	Nitrobenzene	<	20		ug/l
JRB-01&JRE-01	2/4/93	Pyridine	<	20		ug/l
		Volatile Organics				
JRB-01&JRE-01	2/4/93	Methyl ethyl ketone	<	10		ug/l
JRB-01&JRE-01	2/4/93	Tetrachloroethylene		9		ug/l
JRB-01&JRE-01	2/4/93	Trichloroethene	<	5		ug/l
JRB-01&JRE-01	2/4/93	Benzene	<	5		ug/l
JRB-01&JRE-01	2/4/93	Carbon Tetrachloride	<	5		ug/l
JRB-01&JRE-01	2/4/93	Chlorobenzene	<	5		ug/l
JRB-01&JRE-01	2/4/93	Chloroform	<	5		ug/l
JRB-01&JRE-01	2/4/93	1,2-Dichloroethane	<	5		ug/l
JRB-01&JRE-01	2/4/93	1,1-Dichloroethene	<	5		ug/l
JRB-01&JRE-01	2/4/93	Vinyl Chloride	<	10		ug/l
		PCBs				
JRB-01&JRE-01	2/4/94	PCB-1260		950		ug/kg
		Hazardous Parameters				
JRD-01	2/4/93	Corrosivity		SEE COM		
JRD-01	2/4/93	Ignitability, As specified in		passes		
JRD-01	2/4/93	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRD-01	2/4/93	Total Releasable Sulfide as H2	<	50		mg/kg
		Metals				
JRD-01	2/4/93	Silver	<	0.01		mg/l
JRD-01	2/4/93	Arsenic	<	0.2		mg/l
JRD-01	2/4/93	Barium		0.219		mg/l
JRD-01	2/4/93	Cadmium	<	0.005		mg/l
JRD-01	2/4/93	Chromium	<	0.01		mg/l
JRD-01	2/4/93	Copper	<	0.02		mg/l

TABLE 1 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRD-01	2/4/93	Mercury	<	0.0002		mg/l
JRD-01	2/4/93	Lead	<	0.1		mg/l
JRD-01	2/4/93	Selenium	<	0.2		mg/l
JRD-01	2/4/93	Zinc		12.1		mg/l
		Semi-Volatile Organics				
JRD-01	2/4/93	Pentachlorophenol	<	100		ug/l
JRD-01	2/4/93	2,4,6-Trichlorophenol	<	20		ug/l
JRD-01	2/4/93	2,4,5-Trichlorophenol	<	100		ug/l
JRD-01	2/4/93	2-Methylphenol (o-Cresol)	<	20		ug/l
JRD-01	2/4/93	4-Methylphenol (p-Cresol)	<	20		ug/l
JRD-01	2/4/93	3-Methylphenol (m-Cresol)	<	20		ug/l
JRD-01	2/4/93	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRD-01	2/4/93	1,4-Dichlorobenzene	<	20		ug/l
JRD-01	2/4/93	2,4-Dinitrotoluene	<	20		ug/l
JRD-01	2/4/93	Hexachlorobenzene	<	20		ug/l
JRD-01	2/4/93	Hexachlorobutadiene	<	20		ug/l
JRD-01	2/4/93	Hexachloroethane	<	20		ug/l
JRD-01	2/4/93	Nitrobenzene	<	20		ug/l
JRD-01	2/4/93	Pyridine	<	20		ug/l
		Volatile Organics				
JRD-01	2/4/93	Methyl ethyl ketone	<	10		ug/l
JRD-01	2/4/93	Tetrachloroethylene	<	5		ug/l
JRD-01	2/4/93	Trichloroethene	<	5		ug/l
JRD-01	2/4/93	Benzene		14		ug/l
JRD-01	2/4/93	Carbon Tetrachloride	<	5		ug/l
JRD-01	2/4/93	Chlorobenzene	<	5		ug/l
JRD-01	2/4/93	Chloroform	<	5		ug/l
JRD-01	2/4/93	1,2-Dichloroethane	<	5		ug/l
JRD-01	2/4/93	1,1-Dichloroethane	<	5		ug/l
JRD-01	2/4/93	Vinyl Chloride	<	10		ug/l
		PCBs				
JRD-01	2/4/94	Total PCBs	<	1600		ug/kg
		Hazardous Parameters				
JRH-01	2/4/93	Corrosivity		SEE COM		
JRH-01	2/4/93	Ignitability, As specified in		passes		
JRH-01	2/4/93	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRH-01	2/4/93	Total Releasable Sulfide as H2	<	50		mg/kg
		Metals				
JRH-01	2/4/93	Silver	<	0.01		mg/l
JRH-01	2/4/93	Arsenic	<	0.2		mg/l
JRH-01	2/4/93	Barium		0.346		mg/l
JRH-01	2/4/93	Cadmium	<	0.005		mg/l
JRH-01	2/4/93	Chromium	<	0.01		mg/l
JRH-01	2/4/93	Copper	<	0.02		mg/l
JRH-01	2/4/93	Mercury		0.0003		mg/l
JRH-01	2/4/93	Lead	<	0.1		mg/l
JRH-01	2/4/93	Selenium	<	0.2		mg/l
JRH-01	2/4/93	Zinc		9.22		mg/l

TABLE 1 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Semi-Volatile Organics				
JRH-01	2/4/93	Pentachlorophenol	<	100		ug/l
JRH-01	2/4/93	2,4,6-Trichlorophenol	<	20		ug/l
JRH-01	2/4/93	2,4,5-Trichlorophenol	<	100		ug/l
JRH-01	2/4/93	2-Methylphenol (o-Cresol)	<	20		ug/l
JRH-01	2/4/93	4-Methylphenol (p-Cresol)	<	20		ug/l
JRH-01	2/4/93	3-Methylphenol (m-Cresol)	<	20		ug/l
JRH-01	2/4/93	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRH-01	2/4/93	1,4-Dichlorobenzene	<	20		ug/l
JRH-01	2/4/93	2,4-Dinitrotoluene	<	20		ug/l
JRH-01	2/4/93	Hexachlorobenzene	<	20		ug/l
JRH-01	2/4/93	Hexachlorobutadiene	<	20		ug/l
JRH-01	2/4/93	Hexachloroethane	<	20		ug/l
JRH-01	2/4/93	Nitrobenzene	<	20		ug/l
JRH-01	2/4/93	Pyridine	<	20		ug/l
		Volatile Organics				
JRH-01	2/4/93	Methyl ethyl ketone	<	10		ug/l
JRH-01	2/4/93	Tetrachloroethylene	<	5		ug/l
JRH-01	2/4/93	Trichloroethene	<	5		ug/l
JRH-01	2/4/93	Benzene	<	5		ug/l
JRH-01	2/4/93	Carbon Tetrachloride	<	5		ug/l
JRH-01	2/4/93	Chlorobenzene	<	5		ug/l
JRH-01	2/4/93	Chloroform	<	5		ug/l
JRH-01	2/4/93	1,2-Dichloroethane	<	5		ug/l
JRH-01	2/4/93	1,1-Dichloroethene	<	5		ug/l
JRH-01	2/4/93	Vinyl Chloride	<	10		ug/l
		PCBs				
JRH-01	2/4/94	PCB-1260		850		ug/kg

TABLE 2 - SOLID WASTE CHARACTERIZATION
SECOND SAMPLING EVENT

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Hazardous Parameters				
JRA-02D	4/19/94	Ignitability, As specified in		PASSES		
JRA-02D	4/19/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRA-02D	4/19/94	Total Releasable Sulfide as H2	<	0.002		mg/kg
JRA-02D	4/19/94	Total Organic Carbon (TOC)	>	52000		mg/kg
		Inorganic Non-Metals				
JRA-02D	4/19/94	Cyanide	<	0.0593		mg/kg
JRA-02D	4/19/94	Sulfides as S	<	59.3		mg/kg
JRA-02D	4/19/94	Total Solids		84.3		%
		PCB				
JRA-02D	4/19/94	PCB-1254		580		ug/kg
		Metals				
JRA-02D	4/19/94	Silver	<	0.01		mg/l
JRA-02D	4/19/94	Arsenic	<	0.2		mg/l
JRA-02D	4/19/94	Barium		0.184		mg/l
JRA-02D	4/19/94	Cadmium	<	0.005		mg/l
JRA-02D	4/19/94	Chromium	<	0.01		mg/l
JRA-02D	4/19/94	Hexavalent Chromium	<	0.011		mg/l
JRA-02D	4/19/94	Copper	<	0.02		mg/l
JRA-02D	4/19/94	Mercury	<	0.0002		mg/l
JRA-02D	4/19/94	Lead	<	0.1		mg/l
JRA-02D	4/19/94	Selenium	<	0.2		mg/l
JRA-02D	4/19/94	Zinc		0.155		mg/l
		Pesticides and Herbicides				
JRA-02D	4/19/94	2,4-D	<	20		ug/l
JRA-02D	4/19/94	2,4,5-TP		0.021	JB	ug/l
JRA-02D	4/19/94	Endrin	<	0.1		ug/l
JRA-02D	4/19/94	Heptachlor	<	0.05		ug/l
JRA-02D	4/19/94	Heptachlor Epoxide	<	0.05		ug/l
JRA-02D	4/19/94	Methoxychlor	<	0.5		ug/l
JRA-02D	4/19/94	Chlordane	<	1		ug/l
JRA-02D	4/19/94	Toxaphene	<	5		ug/l
JRA-02D	4/19/94	Lindane	<	0.05		ug/l
		Semi-Volatile Organics				
JRA-02D	4/19/94	Pentachlorophenol	<	100		ug/l
JRA-02D	4/19/94	2,4,6-Trichlorophenol	<	20		ug/l
JRA-02D	4/19/94	2,4,5-Trichlorophenol	<	100		ug/l
JRA-02D	4/19/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRA-02D	4/19/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRA-02D	4/19/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRA-02D	4/19/94	O,M,P Cresol (Total Cresols)	<	20		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRA-02D	4/19/94	1,4-Dichlorobenzene	<	20		ug/l
JRA-02D	4/19/94	2,4-Dinitrotoluene	<	20		ug/l
JRA-02D	4/19/94	Hexachlorobenzene	<	20		ug/l
JRA-02D	4/19/94	Hexachlorobutadiene	<	20		ug/l
JRA-02D	4/19/94	Hexachloroethane	<	20		ug/l
JRA-02D	4/19/94	Nitrobenzene	<	20		ug/l
JRA-02D	4/19/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRA-02D	4/19/94	Methyl ethyl ketone	<	10		ug/l
JRA-02D	4/19/94	Tetrachloroethylene	<	5		ug/l
JRA-02D	4/19/94	Trichloroethene	<	5		ug/l
JRA-02D	4/19/94	Benzene	<	5		ug/l
JRA-02D	4/19/94	Carbon Tetrachloride	<	5		ug/l
JRA-02D	4/19/94	Chlorobenzene	<	5		ug/l
JRA-02D	4/19/94	Chloroform	<	5		ug/l
JRA-02D	4/19/94	1,2-Dichloroethane	<	5		ug/l
JRA-02D	4/19/94	1,1-Dichloroethene	<	5		ug/l
JRA-02D	4/19/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRA-02C	4/19/94	Ignitability, As specified in		PASSES		
JRA-02C	4/19/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRA-02C	4/19/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRA-02C	4/19/94	Total Organic Carbon (TOC)	>	110000		mg/kg
		Inorganic Non-Metals				
JRA-02C	4/19/94	Cyanide	<	0.0605		mg/kg
JRA-02C	4/19/94	Sulfides as S	<	60.5		mg/kg
JRA-02C	4/19/94	Total Solids		82.7		%
		PCB				
JRA-02C	4/19/94	PCB-1260		24000		ug/kg
		Metals				
JRA-02C	4/19/94	Silver	<	0.01		mg/l
JRA-02C	4/19/94	Arsenic		0.211		mg/l
JRA-02C	4/19/94	Barium		0.434		mg/l
JRA-02C	4/19/94	Cadmium	<	0.005		mg/l
JRA-02C	4/19/94	Chromium	<	0.01		mg/l
JRA-02C	4/19/94	Hexavalent Chromium	<	0.011		mg/l
JRA-02C	4/19/94	Copper	<	0.02		mg/l
JRA-02C	4/19/94	Mercury	<	0.0002		mg/l
JRA-02C	4/19/94	Lead	<	0.1		mg/l
JRA-02C	4/19/94	Selenium	<	0.2		mg/l
JRA-02C	4/19/94	Zinc		0.457		mg/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Pesticides and Herbicides				
JRA-02C	4/19/94	2,4-D		0.11	J	ug/l
JRA-02C	4/19/94	2,4,5-TP	<	20		ug/l
JRA-02C	4/19/94	Endrin		0.02	J	ug/l
JRA-02C	4/19/94	Heptachlor	<	0.05		ug/l
JRA-02C	4/19/94	Heptachlor Epoxide	<	0.05		ug/l
JRA-02C	4/19/94	Methoxychlor	<	0.5		ug/l
JRA-02C	4/19/94	Chlordane	<	1		ug/l
JRA-02C	4/19/94	Toxaphene	<	5		ug/l
JRA-02C	4/19/94	Lindane	<	0.05		ug/l
		Semi-Volatile Organics				
JRA-02C	4/19/94	Pentachlorophenol	<	100		ug/l
JRA-02C	4/19/94	2,4,6-Trichlorophenol	<	20		ug/l
JRA-02C	4/19/94	2,4,5-Trichlorophenol	<	100		ug/l
JRA-02C	4/19/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRA-02C	4/19/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRA-02C	4/19/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRA-02C	4/19/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRA-02C	4/19/94	1,4-Dichlorobenzene	<	20		ug/l
JRA-02C	4/19/94	2,4-Dinitrotoluene	<	20		ug/l
JRA-02C	4/19/94	Hexachlorobenzene	<	20		ug/l
JRA-02C	4/19/94	Hexachlorobutadiene	<	20		ug/l
JRA-02C	4/19/94	Hexachloroethane	<	20		ug/l
JRA-02C	4/19/94	Nitrobenzene	<	20		ug/l
JRA-02C	4/19/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRA-02C	4/19/94	Methyl ethyl ketone	<	10		ug/l
JRA-02C	4/19/94	Tetrachloroethylene	<	5		ug/l
JRA-02C	4/19/94	Trichloroethene	<	5		ug/l
JRA-02C	4/19/94	Benzene	<	5		ug/l
JRA-02C	4/19/94	Carbon Tetrachloride	<	5		ug/l
JRA-02C	4/19/94	Chlorobenzene	<	5		ug/l
JRA-02C	4/19/94	Chloroform	<	5		ug/l
JRA-02C	4/19/94	1,2-Dichloroethane	<	5		ug/l
JRA-02C	4/19/94	1,1-Dichloroethene	<	5		ug/l
JRA-02C	4/19/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRB-02D	4/19/94	Ignitability, As specified in		PASSES		
JRB-02D	4/19/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRB-02D	4/19/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRB-02D	4/19/94	Total Organic Carbon (TOC)	>	68000		mg/kg

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Inorganic Non-Metals				
JRB-02D	4/19/94	Cyanide	<	0.0595		mg/kg
JRB-02D	4/19/94	Sulfides as S	<	59.5		mg/kg
JRB-02D	4/19/94	Total Solids		84.1		%
		PCB				
JRB-02D	4/19/94	PCB-1260		4900		ug/kg
		Metals				
	4/19/94	Silver	<	0.01		mg/l
JRB-02D	4/19/94	Arsenic	<	0.2		mg/l
JRB-02D	4/19/94	Barium		0.311		mg/l
JRB-02D	4/19/94	Cadmium	<	0.005		mg/l
JRB-02D	4/19/94	Chromium	<	0.01		mg/l
JRB-02D	4/19/94	Hexavalent Chromium	<	0.1		mg/l
JRB-02D	4/19/94	Copper	<	0.02		mg/l
JRB-02D	4/19/94	Mercury	<	0.0002		mg/l
JRB-02D	4/19/94	Lead	<	0.1		mg/l
JRB-02D						
	4/19/94	Selenium	<	0.2		mg/l
JRB-02D	4/19/94	Zinc		0.317		mg/l
JRB-02D						
		Pesticides and Herbicides				
	4/19/94	2,4-D	<	20		ug/l
JRB-02D	4/19/94	2,4,5-TP	<	20		ug/l
JRB-02D	4/19/94	Endrin		0.011	J	ug/l
JRB-02D	4/19/94	Heptachlor		0.016	J	ug/l
JRB-02D	4/19/94	Heptachlor Epoxide	<	0.05		ug/l
JRB-02D	4/19/94	Methoxychlor	<	0.5		ug/l
JRB-02D	4/19/94	Chlordane	<	1		ug/l
JRB-02D	4/19/94	Toxaphene	<	5		ug/l
JRB-02D	4/19/94	Lindane	<	0.05		ug/l
JRB-02D						
		Semi-Volatile Organics				
	4/19/94	Pentachlorophenol	<	50		ug/l
JRB-02D	4/19/94	2,4,6-Trichlorophenol	<	10		ug/l
JRB-02D	4/19/94	2,4,5-Trichlorophenol	<	50		ug/l
JRB-02D	4/19/94	2-Methylphenol (o-Cresol)	<	10		ug/l
JRB-02D	4/19/94	4-Methylphenol (p-Cresol)	<	10		ug/l
JRB-02D	4/19/94	3-Methylphenol (m-Cresol)	<	10		ug/l
JRB-02D	4/19/94	O,M,P Cresol (Total Cresols)	<	10		ug/l
JRB-02D	4/19/94	1,4-Dichlorobenzene	<	10		ug/l
JRB-02D	4/19/94	2,4-Dinitrotoluene	<	10		ug/l
JRB-02D	4/19/94	Hexachlorobenzene	<	10		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRB-02D	4/19/94	Hexachlorobutadiene	<	10		ug/l
JRB-02D	4/19/94	Hexachloroethane	<	10		ug/l
JRB-02D	4/19/94	Nitrobenzene	<	10		ug/l
JRB-02D	4/19/94	Pyridine	<	10		ug/l
JRB-02D						
		Volatile Organics				
	4/19/94	Methyl ethyl ketone	<	10		ug/l
JRB-02D	4/19/94	Tetrachloroethylene	<	5		ug/l
JRB-02D	4/19/94	Trichloroethane	<	5		ug/l
JRB-02D	4/19/94	Benzene		4	J	ug/l
JRB-02D	4/19/94	Carbon Tetrachloride	<	5		ug/l
JRB-02D	4/19/94	Chlorobenzene	<	5		ug/l
JRB-02D	4/19/94	Chloroform	<	5		ug/l
JRB-02D	4/19/94	1,2-Dichloroethane	<	5		ug/l
JRB-02D	4/19/94	1,1-Dichloroethene	<	5		ug/l
JRB-02D	4/19/94	Vinyl Chloride	<	10		ug/l
JRB-02D						
		Hazardous Parameters				
JRB-02C	4/19/94	Ignitability, As specified in		PASSES		
JRB-02C	4/19/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRB-02C	4/19/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRB-02C	4/19/94	Total Organic Carbon (TOC)	>	82000		mg/kg
		Inorganic Non-Metals				
JRB-02C	4/19/94	Cyanide		0.0907		mg/kg
JRB-02C	4/19/94	Sulfides as S	<	60.5		mg/kg
JRB-02C	4/19/94	Total Solids		82.7		%
		PCB				
JRB-02C	4/19/94	PCB-1254		3300		ug/kg
		Metals				
JRB-02C	4/19/94	Silver	<	0.01		mg/l
JRB-02C	4/19/94	Arsenic	<	0.2		mg/l
JRB-02C	4/19/94	Barium		0.256		mg/l
JRB-02C	4/19/94	Cadmium	<	0.005		mg/l
JRB-02C	4/19/94	Chromium	<	0.01		mg/l
JRB-02C	4/19/94	Hexavalent Chromium	<	0.011		mg/l
JRB-02C	4/19/94	Copper	<	0.02		mg/l
JRB-02C	4/19/94	Mercury	<	0.0002		mg/l
JRB-02C	4/19/94	Lead	<	0.1		mg/l
JRB-02C	4/19/94	Selenium	<	0.2		mg/l
JRB-02C	4/19/94	Zinc		0.174		mg/l
		Pesticides and Herbicides				
JRB-02C	4/19/94	2,4-D	<	20		ug/l
JRB-02C	4/19/94	2,4,5-TP		0.013	JB	ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRB-02C	4/19/94	Endrin	<	0.1		ug/l
JRB-02C	4/19/94	Heptachlor	<	0.05		ug/l
JRB-02C	4/19/94	Heptachlor Epoxide	<	0.05		ug/l
JRB-02C	4/19/94	Methoxychlor	<	0.5		ug/l
JRB-02C	4/19/94	Chlordane	<	1		ug/l
JRB-02C	4/19/94	Toxaphene	<	5		ug/l
JRB-02C	4/19/94	Lindane	<	0.05		ug/l
		Semi-Volatile Organics				
JRB-02C	4/19/94	Pentachlorophenol	<	100		ug/l
JRB-02C	4/19/94	2,4,6-Trichlorophenol	<	20		ug/l
JRB-02C	4/19/94	2,4,5-Trichlorophenol	<	100		ug/l
JRB-02C	4/19/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRB-02C	4/19/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRB-02C	4/19/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRB-02C	4/19/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRB-02C	4/19/94	1,4-Dichlorobenzene	<	20		ug/l
JRB-02C	4/19/94	2,4-Dinitrotoluene	<	20		ug/l
JRB-02C	4/19/94	Hexachlorobenzene	<	20		ug/l
JRB-02C	4/19/94	Hexachlorobutadiene	<	20		ug/l
JRB-02C	4/19/94	Hexachloroethane	<	20		ug/l
JRB-02C	4/19/94	Nitrobenzene	<	20		ug/l
JRB-02C	4/19/94	Pyridine	<	20		ug/l
JRB-02C						
		Volatile Organics				
JRB-02C	4/19/94	Methyl ethyl ketone	<	10		ug/l
JRB-02C	4/19/94	Tetrachloroethylene	<	5		ug/l
JRB-02C	4/19/94	Trichloroethene	<	5		ug/l
JRB-02C	4/19/94	Benzene		2	J	ug/l
JRB-02C	4/19/94	Carbon Tetrachloride	<	5		ug/l
	4/19/94	Chlorobenzene	<	5		ug/l
JRB-02C	4/19/94	Chloroform	<	5		ug/l
JRB-02C	4/19/94	1,2-Dichloroethane	<	5		ug/l
JRB-02C	4/19/94	1,1-Dichloroethene	<	5		ug/l
JRB-02C	4/19/94	Vinyl Chloride	<	10		ug/l
JRB-02C						
		Hazardous Parameters				
JRD-02C	4/19/94	Ignitability, As specified in		PASSES		
JRD-02C	4/19/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRD-02C	4/19/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRD-02C	4/19/94	Total Organic Carbon (TOC)	>	160000		mg/kg
		Inorganic Non-Metals				
JRD-02C	4/19/94	Cyanide	<	0.0582		mg/kg
JRD-02C	4/19/94	Sulfides as S	<	58.2		mg/kg
JRD-02C	4/19/94	Total Solids		85.9		%

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Metals				
JRD-02C	4/19/94	Silver	<	0.01		mg/l
JRD-02C	4/19/94	Arsenic	<	0.2		mg/l
JRD-02C	4/19/94	Barium		0.328		mg/l
JRD-02C	4/19/94	Cadmium	<	0.005		mg/l
JRD-02C	4/19/94	Chromium	<	0.01		mg/l
JRD-02C	4/19/94	Hexavalent Chromium	<	0.1		mg/l
JRD-02C	4/19/94	Copper	<	0.02		mg/l
JRD-02C	4/19/94	Mercury	<	0.0002		mg/l
JRD-02C	4/19/94	Lead	<	0.1		mg/l
JRD-02C	4/19/94	Selenium	<	0.2		mg/l
JRD-02C	4/19/94	Zinc		7.46		mg/l
JRD-02C						
		Pesticides and Herbicides				
JRD-02C	4/19/94	2,4-D	<	20		ug/l
JRD-02C	4/19/94	2,4,5-TP		0.042	JB	ug/l
JRD-02C	4/19/94	Endrin	<	1		ug/l
JRD-02C	4/19/94	Heptachlor	<	0.5		ug/l
JRD-02C	4/19/94	Heptachlor Epoxide	<	0.5		ug/l
JRD-02C	4/19/94	Methoxychlor		0.21	J	ug/l
JRD-02C	4/19/94	Chlordane	<	10		ug/l
JRD-02C	4/19/94	Toxaphene	<	50		ug/l
JRD-02C	4/19/94	Lindane	<	0.5		ug/l
		Semi-Volatile Organics				
JRD-02C	4/19/94	Pentachlorophenol	<	100		ug/l
JRD-02C	4/19/94	2,4,6-Trichlorophenol	<	20		ug/l
JRD-02C	4/19/94	2,4,5-Trichlorophenol	<	100		ug/l
JRD-02C	4/19/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRD-02C	4/19/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRD-02C	4/19/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRD-02C	4/19/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRD-02C	4/19/94	1,4-Dichlorobenzene	<	20		ug/l
JRD-02C	4/19/94	2,4-Dinitrotoluene	<	20		ug/l
JRD-02C	4/19/94	Hexachlorobenzene	<	20		ug/l
JRD-02C	4/19/94	Hexachlorobutadiene	<	20		ug/l
JRD-02C	4/19/94	Hexachloroethane	<	20		ug/l
JRD-02C	4/19/94	Nitrobenzene	<	20		ug/l
JRD-02C	4/19/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRD-02C	4/19/94	Methyl ethyl ketone	<	10		ug/l
JRD-02C	4/19/94	Tetrachloroethylene	<	5		ug/l
JRD-02C	4/19/94	Trichloroethene	<	5		ug/l
JRD-02C	4/19/94	Benzene	<	5		ug/l
JRD-02C	4/19/94	Carbon Tetrachloride	<	5		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRD-02C	4/19/94	Chlorobenzene	<	5		ug/l
JRD-02C	4/19/94	Chloroform	<	5		ug/l
JRD-02C	4/19/94	1,2-Dichloroethane	<	5		ug/l
JRD-02C	4/19/94	1,1-Dichloroethene	<	5		ug/l
JRD-02C	4/19/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRG-02D	4/19/94	Ignitability, As specified in		PASSES_		
JRG-02D	4/19/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRG-02D	4/19/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRG-02D	4/19/94	Total Organic Carbon (TOC)	>	30000		mg/kg
		Inorganic Non-Metals				
JRG-02C	4/19/94	Cyanide		0.131		mg/kg
JRG-02D	4/19/94	Sulfides as S	<	87.4		mg/kg
JRG-02D	4/19/94	Total Solids		57.2		%
		Metals				
JRG-02D	4/19/94	Silver	<	0.01		mg/l
JRG-02D	4/19/94	Arsenic	<	0.2		mg/l
JRG-02D	4/19/94	Barium		0.483		mg/l
JRG-02D	4/19/94	Cadmium	<	0.005		mg/l
JRG-02D	4/19/94	Chromium	<	0.01		mg/l
JRG-02D	4/19/94	Hexavalent Chromium	<	0.011		mg/l
JRG-02D	4/19/94	Copper	<	0.02		mg/l
JRG-02D	4/19/94	Mercury	<	0.0002		mg/l
JRG-02D	4/19/94	Lead	<	0.1		mg/l
JRG-02D	4/19/94	Selenium	<	0.2		mg/l
JRG-02D	4/19/94	Zinc		0.494		mg/l
		Pesticides and Herbicides				
JRG-02D	4/19/94	2,4-D	<	20		ug/l
JRG-02D	4/19/94	2,4,5-TP		0.016	JB	ug/l
JRG-02D	4/19/94	Endrin	<	0.1		ug/l
JRG-02D	4/19/94	Heptachlor	<	0.05		ug/l
JRG-02D	4/19/94	Heptachlor Epoxide	<	0.05		ug/l
JRG-02D	4/19/94	Methoxychlor	<	0.5		ug/l
JRG-02D	4/19/94	Chlordane	<	1		ug/l
JRG-02D	4/19/94	Toxaphene	<	5		ug/l
JRG-02D	4/19/94	Lindane	<	0.05		ug/l
		Semi-Volatile Organics				
JRG-02D	4/19/94	Pentachlorophenol	<	100		ug/l
JRG-02D	4/19/94	2,4,6-Trichlorophenol	<	20		ug/l
JRG-02D	4/19/94	2,4,5-Trichlorophenol	<	100		ug/l
JRG-02D	4/19/94	2-Methylphenol (o-Cresol)	<	20		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRG-02D	4/19/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRG-02D	4/19/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRG-02D	4/19/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRG-02D	4/19/94	1,4-Dichlorobenzene	<	20		ug/l
JRG-02D	4/19/94	2,4-Dinitrotoluene	<	20		ug/l
JRG-02D	4/19/94	Hexachlorobenzene	<	20		ug/l
JRG-02D	4/19/94	Hexachlorobutadiene	<	20		ug/l
JRG-02D	4/19/94	Hexachloroethane	<	20		ug/l
JRG-02D	4/19/94	Nitrobenzene	<	20		ug/l
JRG-02D	4/19/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRG-02D	4/19/94	Methyl ethyl ketone	<	10		ug/l
JRG-02D	4/19/94	Tetrachloroethylene	<	5		ug/l
JRG-02D	4/19/94	Trichloroethene	<	5		ug/l
JRG-02D	4/19/94	Benzene	<	5		ug/l
JRG-02D	4/19/94	Carbon Tetrachloride	<	5		ug/l
JRG-02D	4/19/94	Chlorobenzene	<	5		ug/l
JRG-02D	4/19/94	Chloroform	<	5		ug/l
JRG-02D	4/19/94	1,2-Dichloroethane	<	5		ug/l
JRG-02D	4/19/94	1,1-Dichloroethene	<	5		ug/l
JRG-02D	4/19/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRG-02C	4/19/94	Ignitability, As specified in		PASSES		
JRG-02C	4/19/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRG-02C	4/19/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRG-02C	4/19/94	Total Organic Carbon (TOC)	>	468000		mg/kg
		Inorganic Non-Metals				
JRG-02C	4/19/94	Cyanide	<	0.0646		mg/kg
JRG-02C	4/19/94	Sulfides as S	<	64.6		mg/kg
JRG-02C	4/19/94	Total Solids		77.4		%
		PCB				
JRG-02C	4/19/94	PCB-1254		5400		ug/kg
		Metals				
JRG-02C	4/19/94	Silver	<	0.01		mg/l
JRG-02C	4/19/94	Arsenic	<	0.2		mg/l
JRG-02C	4/19/94	Barium		0.499		mg/l
JRG-02C	4/19/94	Cadmium	<	0.005		mg/l
JRG-02C	4/19/94	Chromium	<	0.01		mg/l
JRG-02C	4/19/94	Hexavalent Chromium	<	0.011		[illegible]
JRG-02C	4/19/94	Copper	<	0.02		[illegible]
JRG-02C	4/19/94	Mercury	<	0.0002		[illegible]

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRG-02C	4/19/94	Lead	<	0.1		mg/l
JRG-02C	4/19/94	Selenium	<	0.2		mg/l
JRG-02C	4/19/94	Zinc		1.23		mg/l
		Pesticides and Herbicides				
JRG-02C	4/19/94	2,4-D	<	20		ug/l
JRG-02C	4/19/94	2,4,5-TP		0.018	JB	ug/l
JRG-02C	4/19/94	Endrin	<	0.1		ug/l
JRG-02C	4/19/94	Heptachlor		0.76		ug/l
JRG-02C	4/19/94	Heptachlor Epoxide	<	0.05		ug/l
JRG-02C	4/19/94	Methoxychlor	<	0.5		ug/l
JRG-02C	4/19/94	Chlordane	<	1		ug/l
JRG-02C	4/19/94	Toxaphene	<	5		ug/l
JRG-02C	4/19/94	Lindane	<	0.05		ug/l
		Semi-Volatile Organics				
JRG-02C	4/19/94	Pentachlorophenol	<	100		ug/l
JRG-02C	4/19/94	2,4,6-Trichlorophenol	<	20		ug/l
JRG-02C	4/19/94	2,4,5-Trichlorophenol	<	100		ug/l
JRG-02C	4/19/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRG-02C	4/19/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRG-02C	4/19/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRG-02C	4/19/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRG-02C	4/19/94	1,4-Dichlorobenzene	<	20		ug/l
JRG-02C	4/19/94	2,4-Dinitrotoluene	<	20		ug/l
JRG-02C	4/19/94	Hexachlorobenzene	<	20		ug/l
JRG-02C	4/19/94	Hexachlorobutadiene	<	20		ug/l
JRG-02C	4/19/94	Hexachloroethane	<	20		ug/l
JRG-02C	4/19/94	Nitrobenzene	<	20		ug/l
JRG-02C	4/19/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRG-02C	4/19/94	Methyl ethyl ketone	<	10		ug/l
JRG-02C	4/19/94	Tetrachloroethylene	<	5		ug/l
JRG-02C	4/19/94	Trichloroethene	<	5		ug/l
JRG-02C	4/19/94	Benzene	<	5		ug/l
JRG-02C	4/19/94	Carbon Tetrachloride	<	5		ug/l
JRG-02C	4/19/94	Chlorobenzene	<	5		ug/l
JRG-02C	4/19/94	Chloroform	<	5		ug/l
JRG-02C	4/19/94	1,2-Dichloroethane	<	5		ug/l
JRG-02C	4/19/94	1,1-Dichloroethene	<	5		ug/l
JRG-02C	4/19/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRH-02C	4/19/94	Ignitability, As specified in		PASSES		
JRH-02C	4/19/94	Total Releasable Cyanide as HC	<	0.1		mg/kg

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRH-02C	4/19/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRH-02C	4/19/94	Total Organic Carbon (TOC)		56800		mg/kg
		Inorganic Non-Metals				
JRH-02C	4/19/94	Cyanide	<	0.0669		mg/kg
JRH-02C	4/19/94	Sulfides as S	<	66.9		mg/kg
JRH-02C	4/19/94	Total Solids		74.7		%
		PCB				
JRH-02C	4/19/94	Total PCBs		1800		ug/kg
		Metals				
JRH-02C	4/19/94	Silver	<	0.01		mg/l
JRH-02C	4/19/94	Arsenic	<	0.2		mg/l
JRH-02C	4/19/94	Barium		0.45		mg/l
JRH-02C	4/19/94	Cadmium	<	0.005		mg/l
JRH-02C	4/19/94	Chromium	<	0.01		mg/l
JRH-02C	4/19/94	Hexavalent Chromium	<	0.011		mg/l
JRH-02C	4/19/94	Copper	<	0.02		mg/l
JRH-02C	4/19/94	Mercury	<	0.0002		mg/l
JRH-02C	4/19/94	Lead	<	0.1		mg/l
JRH-02C	4/19/94	Selenium	<	0.2		mg/l
JRH-02C	4/19/94	Zinc		7.7		mg/l
		Pesticides and Herbicides				
JRH-02C	4/19/94	2,4-D	<	20		ug/l
JRH-02C	4/19/94	2,4,5-TP	<	20		ug/l
JRH-02C	4/19/94	Endrin	<	0.2		ug/l
JRH-02C	4/19/94	Heptachlor	<	0.1		ug/l
JRH-02C	4/19/94	Heptachlor Epoxide	<	0.1		ug/l
JRH-02C	4/19/94	Methoxychlor	<	1		ug/l
JRH-02C	4/19/94	Chlordane	<	2		ug/l
JRH-02C	4/19/94	Toxaphene	<	10		ug/l
JRH-02C	4/19/94	Lindane	<	0.1		ug/l
		Semi-Volatile Organics				
JRH-02C	4/19/94	Pentachlorophenol	<	100		ug/l
JRH-02C	4/19/94	2,4,6-Trichlorophenol	<	20		ug/l
JRH-02C	4/19/94	2,4,5-Trichlorophenol	<	100		ug/l
JRH-02C	4/19/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRH-02C	4/19/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRH-02C	4/19/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRH-02C	4/19/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRH-02C	4/19/94	1,4-Dichlorobenzene	<	20		ug/l
JRH-02C	4/19/94	2,4-Dinitrotoluene	<	20		ug/l
JRH-02C	4/19/94	Hexachlorobenzene	<	20		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRH-02C	4/19/94	Hexachlorobutadiene	<	20		ug/l
JRH-02C	4/19/94	Hexachloroethane	<	20		ug/l
JRH-02C	4/19/94	Nitrobenzene	<	20		ug/l
JRH-02C	4/19/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRH-02C	4/19/94	Methyl ethyl ketone	<	10		ug/l
JRH-02C	4/19/94	Tetrachloroethylene	<	5		ug/l
JRH-02C	4/19/94	Trichloroethene	<	5		ug/l
JRH-02C	4/19/94	Benzene	<	5		ug/l
JRH-02C	4/19/94	Carbon Tetrachloride	<	5		ug/l
JRH-02C	4/19/94	Chlorobenzene	<	5		ug/l
JRH-02C	4/19/94	Chloroform	<	5		ug/l
JRH-02C	4/19/94	1,2-Dichloroethane	<	5		ug/l
JRH-02C	4/19/94	1,1-Dichloroethene	<	5		ug/l
JRH-02C	4/19/94	Vinyl Chloride	<	10		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Hazardous Parameters				
JRI-02D	4/20/94	Ignitability, As specified in		PASSES		
JRI-02D	4/20/94	Total Releasable Cyanide as HC	<	0.11		mg/kg
JRI-02D	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRI-02D	4/20/94	Total Organic Carbon (TOC)	>	17000		mg/kg
		Inorganic Non-Metals				
JRI-02D	4/20/94	Cyanide	<	0.0595		mg/kg
JRI-02D	4/20/94	Sulfides as S	<	59.5		mg/kg
JRI-02D	4/20/94	Total Solids		84		%
		PCB				
JRI-02D	4/20/94	Total PCBs	<	3800		ug/kg
		Metals				
JRI-02D	4/20/94	Silver	<	0.01		mg/l
JRI-02D	4/20/94	Arsenic	<	0.2		mg/l
JRI-02D	4/20/94	Barium		0.261		mg/l
JRI-02D	4/20/94	Cadmium	<	0.005		mg/l
JRI-02D	4/20/94	Chromium	<	0.01		mg/l
JRI-02D	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRI-02D	4/20/94	Copper	<	0.02		mg/l
JRI-02D	4/20/94	Mercury	<	0.0002		mg/l
JRI-02D	4/20/94	Lead	<	0.1		mg/l
JRI-02D	4/20/94	Selenium	<	0.2		mg/l
JRI-02D	4/20/94	Zinc		0.108		mg/l
		Pesticides and Herbicides				
JRI-02D	4/20/94	2,4-D	<	20		ug/l
JRI-02D	4/20/94	2,4,5-TP	<	20		ug/l
JRI-02D	4/20/94	Endrin		1.5		ug/l
JRI-02D	4/20/94	Heptachlor		0.53		ug/l
JRI-02D	4/20/94	Heptachlor Epoxide		0.47		ug/l
JRI-02D	4/20/94	Methoxychlor	<	1		ug/l
JRI-02D	4/20/94	Chlordane	<	2		ug/l
JRI-02D	4/20/94	Toxaphene	<	10		ug/l
JRI-02D	4/20/94	Lindane		0.53		ug/l
		Semi-Volatile Organics				
JRI-02D	4/20/94	Pentachlorophenol	<	100		ug/l
JRI-02D	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRI-02D	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRI-02D	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRI-02D	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRI-02D	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRI-02D	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRI-02D	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRI-02D	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRI-02D	4/20/94	Hexachlorobenzene	<	20		ug/l
JRI-02D	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRI-02D	4/20/94	Hexachloroethane	<	20		ug/l
JRI-02D	4/20/94	Nitrobenzene	<	20		ug/l
JRI-02D	4/20/94	Pyridine	<	20		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Volatile Organics				
JRI-02D	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRI-02D	4/20/94	Tetrachloroethylene	<	5		ug/l
JRI-02D	4/20/94	Trichloroethene	<	5		ug/l
JRI-02D	4/20/94	Benzene	<	5		ug/l
JRI-02D	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRI-02D	4/20/94	Chlorobenzene	<	5		ug/l
JRI-02D	4/20/94	Chloroform		4	J	ug/l
JRI-02D	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRI-02D	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRI-02D	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRJ/K-02D	4/20/94	Ignitability, As specified in		PASSES		
JRJ/K-02D	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRJ/K-02D	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRJ/K-02D	4/20/94	Total Organic Carbon (TOC)		20800		mg/kg
		Inorganic Non-Metals				
JRJ/K-02D	4/20/94	Cyanide		0.0897		mg/kg
JRJ/K-02D	4/20/94	Sulfides as S	<	59.8		mg/kg
JRJ/K-02D	4/20/94	Total Solids		83.6		%
		PCB				
JRJ/K-02D	4/20/94	Total PCBs	<	1900		ug/kg
		Metals				
JRJ/K-02D	4/20/94	Silver	<	0.01		mg/l
JRJ/K-02D	4/20/94	Arsenic		19.3		mg/l
JRJ/K-02D	4/20/94	Barium		0.405		mg/l
JRJ/K-02D	4/20/94	Cadmium		0.02		mg/l
JRJ/K-02D	4/20/94	Chromium	<	0.01		mg/l
JRJ/K-02D	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRJ/K-02D	4/20/94	Copper	<	0.02		mg/l
JRJ/K-02D	4/20/94	Mercury	<	0.0002		mg/l
JRJ/K-02D	4/20/94	Lead	<	0.1		mg/l
JRJ/K-02D	4/20/94	Selenium		1.86		mg/l
JRJ/K-02D	4/20/94	Zinc		0.186		mg/l
		Pesticides and Herbicides				
JRJ/K-02D	4/20/94	2,4-D	<	20		ug/l
JRJ/K-02D	4/20/94	2,4,5-TP	<	20		ug/l
JRJ/K-02D	4/20/94	Endrin	<	0.2		ug/l
JRJ/K-02D	4/20/94	Heptachlor	<	0.1		ug/l
JRJ/K-02D	4/20/94	Heptachlor Epoxide	<	0.1		ug/l
JRJ/K-02D	4/20/94	Methoxychlor	<	1		ug/l
JRJ/K-02D	4/20/94	Chlordane	<	2		ug/l
JRJ/K-02D	4/20/94	Toxaphene	<	10		ug/l
JRJ/K-02D	4/20/94	Lindane	<	0.1		ug/l
		Semi-Volatile Organics				
JRJ/K-02D	4/20/94	Pentachlorophenol	<	100		ug/l
JRJ/K-02D	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRJ/K-02D	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRI/K-02D	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRI/K-02D	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRI/K-02D	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRI/K-02D	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRI/K-02D	4/20/94	Hexachlorobenzene	<	20		ug/l
JRI/K-02D	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRI/K-02D	4/20/94	Hexachloroethane	<	20		ug/l
JRI/K-02D	4/20/94	Nitrobenzene	<	20		ug/l
JRI/K-02D	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRI/K-02D	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRI/K-02D	4/20/94	Tetrachloroethylene	<	5		ug/l
JRI/K-02D	4/20/94	Trichloroethene	<	5		ug/l
JRI/K-02D	4/20/94	Benzene	<	5		ug/l
JRI/K-02D	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRI/K-02D	4/20/94	Chlorobenzene	<	5		ug/l
JRI/K-02D	4/20/94	Chloroform		5		ug/l
JRI/K-02D	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRI/K-02D	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRI/K-02D	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRI/K-02C	4/20/94	Ignitability, As specified in		PASSES		
JRI/K-02C	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRI/K-02C	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRI/K-02C	4/20/94	Total Organic Carbon (TOC)		22000		mg/kg
		Inorganic Non-Metals				
JRI/K-02C	4/20/94	Cyanide		0.115		mg/kg
JRI/K-02C	4/20/94	Sulfides as S	<	57.3		mg/kg
JRI/K-02C	4/20/94	Total Solids		87.3		%
		PCB				
JRI/K-02C	4/20/94	Total PCBs	<	1800		ug/kg
		Metals				
JRI/K-02C	4/20/94	Silver	<	0.01		mg/l
JRI/K-02C	4/20/94	Arsenic		3.5		mg/l
JRI/K-02C	4/20/94	Barium		1.48		mg/l
JRI/K-02C	4/20/94	Cadmium		0.174		mg/l
JRI/K-02C	4/20/94	Chromium	<	0.01		mg/l
JRI/K-02C	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRI/K-02C	4/20/94	Copper	<	0.02		mg/l
JRI/K-02C	4/20/94	Mercury	<	0.0002		mg/l
JRI/K-02C	4/20/94	Lead	<	0.1		mg/l
JRI/K-02C	4/20/94	Selenium		2.02		mg/l
JRI/K-02C	4/20/94	Zinc		0.257		mg/l
		Pesticides and Herbicides				
JRI/K-02C	4/20/94	2,4-D	<	20		ug/l
JRI/K-02C	4/20/94	2,4,5-TP		0.011	J	ug/l
JRI/K-02C	4/20/94	Endrin		0.01	J	ug/l
JRI/K-02C	4/20/94	Heptachlor	<	0.1		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRJ/K-02C	4/20/94	Chlordane	<	2		ug/l
JRJ/K-02C	4/20/94	Toxaphene	<	10		ug/l
JRJ/K-02C	4/20/94	Lindane	<	0.1		ug/l
		Semi-Volatile Organics				
JRJ/K-02C	4/20/94	Pentachlorophenol	<	100		ug/l
JRJ/K-02C	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRJ/K-02C	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRJ/K-02C	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRJ/K-02C	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRJ/K-02C	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRJ/K-02C	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRJ/K-02C	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRJ/K-02C	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRJ/K-02C	4/20/94	Hexachlorobenzene	<	20		ug/l
JRJ/K-02C	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRJ/K-02C	4/20/94	Hexachloroethane	<	20		ug/l
JRJ/K-02C	4/20/94	Nitrobenzene	<	20		ug/l
JRJ/K-02C	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRJ/K-02C	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRJ/K-02C	4/20/94	Tetrachloroethylene	<	5		ug/l
JRJ/K-02C	4/20/94	Trichloroethene	<	5		ug/l
JRJ/K-02C	4/20/94	Benzene	<	5		ug/l
JRJ/K-02C	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRJ/K-02C	4/20/94	Chlorobenzene	<	5		ug/l
JRJ/K-02C	4/20/94	Chloroform		5		ug/l
JRJ/K-02C	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRJ/K-02C	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRJ/K-02C	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRJ/K-02C-A	4/20/94	Ignitability, As specified in		PASSES		
JRJ/K-02C-A	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRJ/K-02C-A	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRJ/K-02C-A	4/20/94	Total Organic Carbon (TOC)		146000		mg/kg
		Inorganic Non-Metals				
JRJ/K-02C-A	4/20/94	Cyanide		0.116		mg/kg
JRJ/K-02C-A	4/20/94	Sulfides as S	<	58.2		mg/kg
JRJ/K-02C-A	4/20/94	Total Solids		85.9		%
		PCB				
JRJ/K-02C-A	4/20/94	Total PCBs	<	1900		ug/kg
		Metals				
JRJ/K-02C-A	4/20/94	Silver	<	0.01		mg/l
JRJ/K-02C-A	4/20/94	Arsenic		2.95		mg/l
JRJ/K-02C-A	4/20/94	Barium		1.82		mg/l
JRJ/K-02C-A	4/20/94	Cadmium		0.158		mg/l
JRJ/K-02C-A	4/20/94	Chromium	<	0.01		mg/l
JRJ/K-02C-A	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRJ/K-02C-A	4/20/94	Copper	<	0.02		mg/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRI/K-02C-A	4/20/94	Selenium		1.78		mg/l
JRI/K-02C-A	4/20/94	Zinc		0.196		mg/l
		Pesticides and Herbicides				
JRI/K-02C-A	4/20/94	2,4-D	<	20		ug/l
JRI/K-02C-A	4/20/94	2,4,5-TP		0.02	J	ug/l
JRI/K-02C-A	4/20/94	Endrin		0.013	J	ug/l
JRI/K-02C-A	4/20/94	Heptachlor	<	0.1		ug/l
JRI/K-02C-A	4/20/94	Heptachlor Epoxide	<	0.1		ug/l
JRI/K-02C-A	4/20/94	Methoxychlor	<	1		ug/l
JRI/K-02C-A	4/20/94	Chlordane	<	2		ug/l
JRI/K-02C-A	4/20/94	Toxaphene	<	10		ug/l
JRI/K-02C-A	4/20/94	Lindane	<	0.1		ug/l
		Semi-Volatile Organics				
JRI/K-02C-A	4/20/94	Pentachlorophenol	<	100		ug/l
JRI/K-02C-A	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRI/K-02C-A	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRI/K-02C-A	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRI/K-02C-A	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRI/K-02C-A	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRI/K-02C-A	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRI/K-02C-A	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRI/K-02C-A	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRI/K-02C-A	4/20/94	Hexachlorobenzene	<	20		ug/l
JRI/K-02C-A	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRI/K-02C-A	4/20/94	Hexachloroethane	<	20		ug/l
JRI/K-02C-A	4/20/94	Nitrobenzene	<	20		ug/l
JRI/K-02C-A	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRI/K-02C-A	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRI/K-02C-A	4/20/94	Tetrachloroethylene	<	5		ug/l
JRI/K-02C-A	4/20/94	Trichloroethene	<	5		ug/l
JRI/K-02C-A	4/20/94	Benzene	<	5		ug/l
JRI/K-02C-A	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRI/K-02C-A	4/20/94	Chlorobenzene	<	5		ug/l
JRI/K-02C-A	4/20/94	Chloroform		4	J	ug/l
JRI/K-02C-A	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRI/K-02C-A	4/20/94	1,1-Dichloroethane	<	5		ug/l
JRI/K-02C-A	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRP-02D	4/20/94	Ignitability, As specified in		PASSES		
JRP-02D	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRP-02D	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRP-02D	4/20/94	Total Organic Carbon (TOC)	>	37800		mg/kg
		Inorganic Non-Metals				
JRP-02D	4/20/94	Cyanide		0.0933		mg/kg
JRP-02D	4/20/94	Sulfides as S	<	62.2		mg/kg
JRP-02D	4/20/94	Total Solids		80.4		%

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		PCB				
JRP-02D	4/20/94	Total PCBs	<	2000		ug/kg
		Metals				
JRP-02D	4/20/94	Silver	<	0.01		mg/l
JRP-02D	4/20/94	Arsenic	<	0.2		mg/l
JRP-02D	4/20/94	Barium		0.24		mg/l
JRP-02D	4/20/94	Cadmium	<	0.005		mg/l
JRP-02D	4/20/94	Chromium	<	0.01		mg/l
JRP-02D	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRP-02D	4/20/94	Copper	<	0.02		mg/l
JRP-02D	4/20/94	Mercury	<	0.0002		mg/l
JRP-02D	4/20/94	Lead	<	0.1		mg/l
JRP-02D	4/20/94	Selenium	<	0.2		mg/l
JRP-02D	4/20/94	Zinc		0.097		mg/l
		Pesticides and Herbicides				
JRP-02D	4/20/94	2,4-D	<	20		ug/l
JRP-02D	4/20/94	2,4,5-TP	<	20		ug/l
JRP-02D	4/20/94	Endrin	<	0.2		ug/l
JRP-02D	4/20/94	Heptachlor		0.011	J	ug/l
JRP-02D	4/20/94	Heptachlor Epoxide	<	0.1		ug/l
JRP-02D	4/20/94	Methoxychlor	<	1		ug/l
JRP-02D	4/20/94	Chlordane	<	2		ug/l
JRP-02D	4/20/94	Toxaphene	<	10		ug/l
JRP-02D	4/20/94	Lindane	<	0.1		ug/l
		Semi-Volatile Organics				
JRP-02D	4/20/94	Pentachlorophenol	<	100		ug/l
JRP-02D	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRP-02D	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRP-02D	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRP-02D	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRP-02D	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRP-02D	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRP-02D	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRP-02D	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRP-02D	4/20/94	Hexachlorobenzene	<	20		ug/l
JRP-02D	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRP-02D	4/20/94	Hexachloroethane	<	20		ug/l
JRP-02D	4/20/94	Nitrobenzene	<	20		ug/l
JRP-02D	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRP-02D	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRP-02D	4/20/94	Tetrachloroethylene	<	5		ug/l
JRP-02D	4/20/94	Trichloroethene	<	5		ug/l
JRP-02D	4/20/94	Benzene	<	5		ug/l
JRP-02D	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRP-02D	4/20/94	Chlorobenzene	<	5		ug/l
JRP-02D	4/20/94	Chloroform		6		ug/l
JRP-02D	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRP-02D	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRP-02D	4/20/94	Vinyl Chloride	<	10		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Hazardous Parameters				
JRQ-02D	4/20/94	Ignitability, As specified in		PASSES		
JRQ-02D	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRQ-02D	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRQ-02D	4/20/94	Total Organic Carbon (TOC)	>	350000		mg/kg
		Inorganic Non-Metals				
JRQ-02D	4/20/94	Cyanide		0.094		mg/kg
JRQ-02D	4/20/94	Sulfides as S	<	62.7		mg/kg
JRQ-02D	4/20/94	Total Solids		79.8		%
		PCB				
JRQ-02D	4/20/94	Total PCBs	<	2000		ug/kg
		Metals				
JRQ-02D	4/20/94	Silver	<	0.01		mg/l
JRQ-02D	4/20/94	Arsenic	<	0.2		mg/l
JRQ-02D	4/20/94	Barium		0.467		mg/l
JRQ-02D	4/20/94	Cadmium	<	0.005		mg/l
JRQ-02D	4/20/94	Chromium	<	0.01		mg/l
JRQ-02D	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRQ-02D	4/20/94	Copper		0.076		mg/l
JRQ-02D	4/20/94	Mercury	<	0.0002		mg/l
JRQ-02D	4/20/94	Lead		5		mg/l
JRQ-02D	4/20/94	Selenium	<	0.2		mg/l
JRQ-02D	4/20/94	Zinc		0.322		mg/l
		Pesticides and Herbicides				
JRQ-02D	4/20/94	2,4-D	<	20		ug/l
JRQ-02D	4/20/94	2,4,5-TP		0.016	J	ug/l
JRQ-02D	4/20/94	Endrin		0.21		ug/l
JRQ-02D	4/20/94	Heptachlor	<	0.2		ug/l
JRQ-02D	4/20/94	Heptachlor Epoxide		0.01	J	ug/l
JRQ-02D	4/20/94	Methoxychlor		0.28	J	ug/l
JRQ-02D	4/20/94	Chlordane	<	4		ug/l
JRQ-02D	4/20/94	Toxaphene	<	20		ug/l
JRQ-02D	4/20/94	Lindane	<	0.2		ug/l
		Semi-Volatile Organics				
JRQ-02D	4/20/94	Pentachlorophenol	<	110		ug/l
JRQ-02D	4/20/94	2,4,6-Trichlorophenol	<	22		ug/l
JRQ-02D	4/20/94	2,4,5-Trichlorophenol	<	110		ug/l
JRQ-02D	4/20/94	2-Methylphenol (o-Cresol)	<	22		ug/l
JRQ-02D	4/20/94	4-Methylphenol (p-Cresol)		1	J	ug/l
JRQ-02D	4/20/94	3-Methylphenol (m-Cresol)	<	22		ug/l
JRQ-02D	4/20/94	O,M,P Cresol (Total Cresols)		1	J	ug/l
JRQ-02D	4/20/94	1,4-Dichlorobenzene	<	22		ug/l
JRQ-02D	4/20/94	2,4-Dinitrotoluene	<	22		ug/l
JRQ-02D	4/20/94	Hexachlorobenzene	<	22		ug/l
JRQ-02D	4/20/94	Hexachlorobutadiene	<	22		ug/l
JRQ-02D	4/20/94	Hexachloroethane	<	22		ug/l
JRQ-02D	4/20/94	Nitrobenzene	<	22		ug/l
JRQ-02D	4/20/94	Pyridine	<	22		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRT-02D	4/21/94	Hexachlorobenzene	<	20		ug/l
JRT-02D	4/21/94	Hexachlorobutadiene	<	20		ug/l
JRT-02D	4/21/94	Hexachloroethane	<	20		ug/l
JRT-02D	4/21/94	Nitrobenzene	<	20		ug/l
JRT-02D	4/21/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRT-02D	4/21/94	Methyl ethyl ketone	<	10		ug/l
JRT-02D	4/21/94	Tetrachloroethylene	<	5		ug/l
JRT-02D	4/21/94	Trichloroethene	<	5		ug/l
JRT-02D	4/21/94	Benzene	<	5		ug/l
JRT-02D	4/21/94	Carbon Tetrachloride	<	5		ug/l
JRT-02D	4/21/94	Chlorobenzene	<	5		ug/l
JRT-02D	4/21/94	Chloroform		3	J	ug/l
JRT-02D	4/21/94	1,2-Dichloroethane	<	5		ug/l
JRT-02D	4/21/94	1,1-Dichloroethene	<	5		ug/l
JRT-02D	4/21/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRT-02DA	4/21/94	Ignitability, As specified in		PASSES		
JRT-02DA	4/21/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRT-02DA	4/21/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRT-02DA	4/21/94	Total Organic Carbon (TOC)	>	84300		mg/kg
		Inorganic Non-Metals				
JRT-02DA	4/21/94	Cyanide	<	0.146		mg/kg
JRT-02DA	4/21/94	Sulfides as S	<	73.2		mg/kg
JRT-02DA	4/21/94	Total Solids		68.3		%
		PCB				
JRT-02DA	4/21/94	PCB-1254		5500		ug/kg
		Metals				
JRT-02DA	4/21/94	Silver	<	0.01		mg/l
JRT-02DA	4/21/94	Arsenic		0.201		mg/l
JRT-02DA	4/21/94	Barium		1.92		mg/l
JRT-02DA	4/21/94	Cadmium	<	0.005		mg/l
JRT-02DA	4/21/94	Chromium	<	0.01		mg/l
JRT-02DA	4/21/94	Hexavalent Chromium	<	0.01		mg/l
JRT-02DA	4/21/94	Copper	<	0.02		mg/l
JRT-02DA	4/21/94	Mercury	<	0.0002		mg/l
JRT-02DA	4/21/94	Lead	<	0.1		mg/l
JRT-02DA	4/21/94	Selenium	<	0.2		mg/l
JRT-02DA	4/21/94	Zinc		0.266		mg/l
		Pesticides and Herbicides				
JRT-02DA	4/21/94	2,4-D	<	20		ug/l
JRT-02DA	4/21/94	2,4,5-TP		0.012	JB	ug/l
JRT-02DA	4/21/94	Endrin	<	0.2		ug/l
JRT-02DA	4/21/94	Heptachlor	<	0.1		ug/l
JRT-02DA	4/21/94	Heptachlor Epoxide	<	0.1		ug/l
JRT-02DA	4/21/94	Methoxychlor	<	1		ug/l
JRT-02DA	4/21/94	Chlordane	<	2		ug/l
JRT-02DA	4/21/94	Toxaphene	<	10		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRT-02DA	4/21/94	Lindane	<	0.1		ug/l
		Semi-Volatile Organics				
JRT-02DA	4/21/94	Pentachlorophenol	<	100		ug/l
JRT-02DA	4/21/94	2,4,6-Trichlorophenol	<	20		ug/l
JRT-02DA	4/21/94	2,4,5-Trichlorophenol	<	100		ug/l
JRT-02DA	4/21/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRT-02DA	4/21/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRT-02DA	4/21/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRT-02DA	4/21/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRT-02DA	4/21/94	1,4-Dichlorobenzene	<	20		ug/l
JRT-02DA	4/21/94	2,4-Dinitrotoluene	<	20		ug/l
JRT-02DA	4/21/94	Hexachlorobenzene	<	20		ug/l
JRT-02DA	4/21/94	Hexachlorobutadiene	<	20		ug/l
JRT-02DA	4/21/94	Hexachloroethane	<	20		ug/l
JRT-02DA	4/21/94	Nitrobenzene	<	20		ug/l
JRT-02DA	4/21/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRT-02DA	4/21/94	Methyl ethyl ketone	<	10		ug/l
JRT-02DA	4/21/94	Tetrachloroethylene	<	5		ug/l
JRT-02DA	4/21/94	Trichloroethene	<	5		ug/l
JRT-02DA	4/21/94	Benzene	<	5		ug/l
JRT-02DA	4/21/94	Carbon Tetrachloride	<	5		ug/l
JRT-02DA	4/21/94	Chlorobenzene	<	5		ug/l
JRT-02DA	4/21/94	Chloroform		1	J	ug/l
JRT-02DA	4/21/94	1,2-Dichloroethane	<	5		ug/l
JRT-02DA	4/21/94	1,1-Dichloroethene	<	5		ug/l
JRT-02DA	4/21/94	Vinyl Chloride	<	10		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Hazardous Parameters				
JRT-02C	4/21/94	Ignitability, As specified in		PASSES		
JRT-02C	4/21/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRT-02C	4/21/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRT-02C	4/21/94	Total Organic Carbon (TOC)		8580		mg/kg
		Inorganic Non-Metals				
JRT-02C	4/21/94	Cyanide	<	0.155		mg/kg
JRT-02C	4/21/94	Sulfides as S	<	77.3		mg/kg
JRT-02C	4/21/94	Total Solids		64.7		%
		PCB				
JRT-02C	4/21/94	PCB-1254		6000		ug/kg
		Metals				
JRT-02C	4/21/94	Silver	<	0.01		mg/l
JRT-02C	4/21/94	Arsenic	<	0.2		mg/l
JRT-02C	4/21/94	Barium		1.1		mg/l
JRT-02C	4/21/94	Cadmium	<	0.005		mg/l
JRT-02C	4/21/94	Chromium	<	0.01		mg/l
JRT-02C	4/21/94	Hexavalent Chromium	<	0.01		mg/l
JRT-02C	4/21/94	Copper	<	0.02		mg/l
JRT-02C	4/21/94	Mercury	<	0.0002		mg/l
JRT-02C	4/21/94	Lead	<	0.1		mg/l
JRT-02C	4/21/94	Selenium	<	0.2		mg/l
JRT-02C	4/21/94	Zinc		0.277		mg/l
		Pesticides and Herbicides				
JRT-02C	4/21/94	2,4-D	<	100		ug/l
JRT-02C	4/21/94	2,4,5-TP	<	100		ug/l
JRT-02C	4/21/94	Endrin	<	0.2		ug/l
JRT-02C	4/21/94	Heptachlor	<	0.1		ug/l
JRT-02C	4/21/94	Heptachlor Epoxide	<	0.1		ug/l
JRT-02C	4/21/94	Methoxychlor	<	1		ug/l
JRT-02C	4/21/94	Chlordane	<	2		ug/l
JRT-02C	4/21/94	Toxaphene	<	10		ug/l
JRT-02C	4/21/94	Lindane		0.013	J	ug/l
		Semi-Volatile Organics				
JRT-02C	4/21/94	Pentachlorophenol	<	100		ug/l
JRT-02C	4/21/94	2,4,6-Trichlorophenol	<	20		ug/l
JRT-02C	4/21/94	2,4,5-Trichlorophenol	<	100		ug/l
JRT-02C	4/21/94	2-Methylphenol (o-Cresol)		190		ug/l
JRT-02C	4/21/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRT-02C	4/21/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRT-02C	4/21/94	O,M,P Cresol (Total Cresols)		190		ug/l
JRT-02C	4/21/94	1,4-Dichlorobenzene	<	20		ug/l
JRT-02C	4/21/94	2,4-Dinitrotoluene	<	20		ug/l
JRT-02C	4/21/94	Hexachlorobenzene	<	20		ug/l
JRT-02C	4/21/94	Hexachlorobutadiene	<	20		ug/l
JRT-02C	4/21/94	Hexachloroethane	<	20		ug/l
JRT-02C	4/21/94	Nitrobenzene	<	20		ug/l
JRT-02C	4/21/94	Pyridine	<	20		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Volatile Organics				
JRT-02C	4/21/94	Methyl ethyl ketone	<	10		ug/l
JRT-02C	4/21/94	Tetrachloroethylene	<	5		ug/l
JRT-02C	4/21/94	Trichloroethane	<	5		ug/l
JRT-02C	4/21/94	Benzene	<	5		ug/l
JRT-02C	4/21/94	Carbon Tetrachloride	<	5		ug/l
JRT-02C	4/21/94	Chlorobenzene	<	5		ug/l
JRT-02C	4/21/94	Chloroform		2	J	ug/l
JRT-02C	4/21/94	1,2-Dichloroethane	<	5		ug/l
JRT-02C	4/21/94	1,1-Dichloroethene	<	5		ug/l
JRT-02C	4/21/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRU-02D	4/21/94	Ignitability, As specified in		PASSES		
JRU-02D	4/21/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRU-02D	4/21/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRU-02D	4/21/94	Total Organic Carbon (TOC)	>	143000		mg/kg
		Inorganic Non-Metals				
JRU-02D	4/21/94	Cyanide	<	0.0608		mg/kg
JRU-02D	4/21/94	Sulfides as S	<	60.8		mg/kg
JRU-02D	4/21/94	Total Solids		82.3		%
		PCB				
JRU-02D	4/21/94	Total PCBs	<	16000		ug/kg
		Metals				
JRU-02D	4/21/94	Silver	<	0.01		mg/l
JRU-02D	4/21/94	Arsenic	<	0.2		mg/l
JRU-02D	4/21/94	Barium		0.218		mg/l
JRU-02D	4/21/94	Cadmium	<	0.005		mg/l
JRU-02D	4/21/94	Chromium		0.175		mg/l
JRU-02D	4/21/94	Hexavalent Chromium	<	0.01		mg/l
JRU-02D	4/21/94	Copper	<	0.02		mg/l
JRU-02D	4/21/94	Mercury	<	0.0002		mg/l
JRU-02D	4/21/94	Lead	<	0.1		mg/l
JRU-02D	4/21/94	Selenium	<	0.2		mg/l
JRU-02D	4/21/94	Zinc		16.8		mg/l
		Pesticides and Herbicides				
JRU-02D	4/21/94	2,4-D	<	20		ug/l
JRU-02D	4/21/94	2,4,5-TP	<	20		ug/l
JRU-02D	4/21/94	Endrin	<	1		ug/l
JRU-02D	4/21/94	Heptachlor	<	0.5		ug/l
JRU-02D	4/21/94	Heptachlor Epoxide	<	0.5		ug/l
JRU-02D	4/21/94	Methoxychlor	<	5		ug/l
JRU-02D	4/21/94	Chlordane	<	10		ug/l
JRU-02D	4/21/94	Toxaphene	<	50		ug/l
JRU-02D	4/21/94	Lindane	<	0.5		ug/l
		Semi-Volatile Organics				
JRU-02D	4/21/94	Pentachlorophenol	<	100		ug/l
JRU-02D	4/21/94	2,4,6-Trichlorophenol	<	20		ug/l
JRU-02D	4/21/94	2,4,5-Trichlorophenol	<	100		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRU-02D	4/21/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRU-02D	4/21/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRU-02D	4/21/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRU-02D	4/21/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRU-02D	4/21/94	1,4-Dichlorobenzene	<	20		ug/l
JRU-02D	4/21/94	2,4-Dinitrotoluene	<	20		ug/l
JRU-02D	4/21/94	Hexachlorobenzene	<	20		ug/l
JRU-02D	4/21/94	Hexachlorobutadiene	<	20		ug/l
JRU-02D	4/21/94	Hexachloroethane	<	20		ug/l
JRU-02D	4/21/94	Nitrobenzene	<	20		ug/l
JRU-02D	4/21/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRU-02D	4/21/94	Methyl ethyl ketone	<	10		ug/l
JRU-02D	4/21/94	Tetrachloroethylene	<	5		ug/l
JRU-02D	4/21/94	Trichloroethene	<	5		ug/l
JRU-02D	4/21/94	Benzene	<	5		ug/l
JRU-02D	4/21/94	Carbon Tetrachloride	<	5		ug/l
JRU-02D	4/21/94	Chlorobenzene	<	5		ug/l
JRU-02D	4/21/94	Chloroform		3	J	ug/l
JRU-02D	4/21/94	1,2-Dichloroethane	<	5		ug/l
JRU-02D	4/21/94	1,1-Dichloroethene	<	5		ug/l
JRU-02D	4/21/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRU-02C	4/21/94	Ignitability, As specified in		PASSES		
JRU-02C	4/21/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRU-02C	4/21/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRU-02C	4/21/94	Total Organic Carbon (TOC)	>	139000		mg/kg
		Inorganic Non-Metals				
JRU-02C	4/21/94	Cyanide	<	0.123		mg/kg
JRU-02C	4/21/94	Sulfides as S	<	61.5		mg/kg
JRU-02C	4/21/94	Total Solids		81.3		%
		PCB				
JRU-02C	4/21/94	Total PCBs	<	20000		ug/kg
		Metals				
JRU-02C	4/21/94	Silver	<	0.01		mg/l
JRU-02C	4/21/94	Arsenic	<	0.2		mg/l
JRU-02C	4/21/94	Barium		0.298		mg/l
JRU-02C	4/21/94	Cadmium	<	0.005		mg/l
JRU-02C	4/21/94	Chromium		0.022		mg/l
JRU-02C	4/21/94	Hexavalent Chromium	<	0.01		mg/l
JRU-02C	4/21/94	Copper	<	0.02		mg/l
JRU-02C	4/21/94	Mercury	<	0.0002		mg/l
JRU-02C	4/21/94	Lead	<	0.1		mg/l
JRU-02C	4/21/94	Selenium	<	0.2		mg/l
JRU-02C	4/21/94	Zinc		9.07		mg/l
		Pesticides and Herbicides				
JRU-02C	4/21/94	2,4-D	<	20		ug/l
JRU-02C	4/21/94	2,4,5-TP	<	20		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
IRU-02C	4/21/94	Endrin		0.027	J	ug/l
IRU-02C	4/21/94	Heptachlor	<	0.1		ug/l
IRU-02C	4/21/94	Heptachlor Epoxide		0.013	J	ug/l
IRU-02C	4/21/94	Methoxychlor	<	1		ug/l
IRU-02C	4/21/94	Chlordane	<	2		ug/l
IRU-02C	4/21/94	Toxaphene	<	10		ug/l
IRU-02C	4/21/94	Lindane	<	0.1		ug/l
		Semi-Volatile Organics				
IRU-02C	4/21/94	Pentachlorophenol	<	100		ug/l
IRU-02C	4/21/94	2,4,6-Trichlorophenol	<	20		ug/l
IRU-02C	4/21/94	2,4,5-Trichlorophenol	<	100		ug/l
IRU-02C	4/21/94	2-Methylphenol (o-Cresol)	<	20		ug/l
IRU-02C	4/21/94	4-Methylphenol (p-Cresol)	<	20		ug/l
IRU-02C	4/21/94	3-Methylphenol (m-Cresol)	<	20		ug/l
IRU-02C	4/21/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
IRU-02C	4/21/94	1,4-Dichlorobenzene	<	20		ug/l
IRU-02C	4/21/94	2,4-Dinitrotoluene	<	20		ug/l
IRU-02C	4/21/94	Hexachlorobenzene	<	20		ug/l
IRU-02C	4/21/94	Hexachlorobutadiene	<	20		ug/l
IRU-02C	4/21/94	Hexachloroethane	<	20		ug/l
IRU-02C	4/21/94	Nitrobenzene	<	20		ug/l
IRU-02C	4/21/94	Pyridine	<	20		ug/l
		Volatile Organics				
IRU-02C	4/21/94	Methyl ethyl ketone	<	10		ug/l
IRU-02C	4/21/94	Tetrachloroethylene	<	5		ug/l
IRU-02C	4/21/94	Trichloroethene	<	5		ug/l
IRU-02C	4/21/94	Benzene	<	5		ug/l
IRU-02C	4/21/94	Carbon Tetrachloride	<	5		ug/l
IRU-02C	4/21/94	Chlorobenzene	<	5		ug/l
IRU-02C	4/21/94	Chloroform		2	J	ug/l
IRU-02C	4/21/94	1,2-Dichloroethane	<	5		ug/l
IRU-02C	4/21/94	1,1-Dichloroethane	<	5		ug/l
IRU-02C	4/21/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
IRV-02D	4/21/94	Corrosivity				
IRV-02D	4/21/94	Ignitability, As specified in		PASSES		
IRV-02D	4/21/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
IRV-02D	4/21/94	Total Releasable Sulfide as H2	<	50		mg/kg
IRV-02D	4/21/94	Total Organic Carbon (TOC)		173000		mg/kg
		Inorganic Non-Metals				
IRV-02D	4/21/94	Cyanide	<	0.134		mg/kg
IRV-02D	4/21/94	Sulfides as S	<	66.9		mg/kg
IRV-02D	4/21/94	Total Solids		74.7		%
		PCB				
IRV-02D	4/21/94	PCB-1254		200000		ug/kg
		Metals				
IRV-02D	4/21/94	Silver	<	0.01		mg/l
IRV-02D	4/21/94	Arsenic	<	0.2		mg/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRV-02D	4/21/94	Barium		0.432		mg/l
JRV-02D	4/21/94	Cadmium		0.012		mg/l
JRV-02D	4/21/94	Chromium	<	0.01		mg/l
JRV-02D	4/21/94	Hexavalent Chromium	<	0.01		mg/l
JRV-02D	4/21/94	Copper		0.044		mg/l
JRV-02D	4/21/94	Mercury	<	0.0002		mg/l
JRV-02D	4/21/94	Lead		0.201		mg/l
JRV-02D	4/21/94	Selenium	<	0.2		mg/l
JRV-02D	4/21/94	Zinc		2.54		mg/l
		Pesticides and Herbicides				
JRV-02D	4/21/94	2,4-D		0.57	J	ug/l
JRV-02D	4/21/94	2,4,5-TP		0.054	J	ug/l
JRV-02D	4/21/94	Endrin	<	0.11		ug/l
JRV-02D	4/21/94	Heptachlor	<	0.056		ug/l
JRV-02D	4/21/94	Heptachlor Epoxide	<	0.056		ug/l
JRV-02D	4/21/94	Methoxychlor	<	0.56		ug/l
JRV-02D	4/21/94	Chlordane	<	1.1		ug/l
JRV-02D	4/21/94	Toxaphene	<	5.6		ug/l
JRV-02D	4/21/94	Lindane	<	0.056		ug/l
		Semi-Volatile Organics				
JRV-02D	4/21/94	Pentachlorophenol	<	100		ug/l
JRV-02D	4/21/94	2,4,6-Trichlorophenol	<	20		ug/l
JRV-02D	4/21/94	2,4,5-Trichlorophenol	<	100		ug/l
JRV-02D	4/21/94	2-Methylphenol (o-Cresol)		3	J	ug/l
JRV-02D	4/21/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRV-02D	4/21/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRV-02D	4/21/94	O,M,P Cresol (Total Cresols)		3	J	ug/l
JRV-02D	4/21/94	1,4-Dichlorobenzene	<	20		ug/l
JRV-02D	4/21/94	2,4-Dinitrotoluene	<	20		ug/l
JRV-02D	4/21/94	Hexachlorobenzene	<	20		ug/l
JRV-02D	4/21/94	Hexachlorobutadiene	<	20		ug/l
JRV-02D	4/21/94	Hexachloroethane	<	20		ug/l
JRV-02D	4/21/94	Nitrobenzene	<	20		ug/l
JRV-02D	4/21/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRV-02D	4/21/94	Methyl ethyl ketone	<	10		ug/l
JRV-02D	4/21/94	Tetrachloroethylene	<	5		ug/l
JRV-02D	4/21/94	Trichloroethene	<	5		ug/l
JRV-02D	4/21/94	Benzene	<	5		ug/l
JRV-02D	4/21/94	Carbon Tetrachloride	<	5		ug/l
JRV-02D	4/21/94	Chlorobenzene	<	5		ug/l
JRV-02D	4/21/94	Chloroform		2	J	ug/l
JRV-02D	4/21/94	1,2-Dichloroethane	<	5		ug/l
JRV-02D	4/21/94	1,1-Dichloroethene	<	5		ug/l
JRV-02D	4/21/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRS-02D	4/20/94	Ignitability, As specified in		PASSES		
JRS-02D	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRS-02D	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRS-02D	4/20/94	Total Organic Carbon (TOC)	>	282000		mg/kg

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Inorganic Non-Metals				
JRS-02D	4/20/94	Cyanide	<	0.0605		mg/kg
JRS-02D	4/20/94	Sulfides as S	<	60.5		mg/kg
JRS-02D	4/20/94	Total Solids		82.7		%
		PCB				
JRS-02D	4/20/94	Total PCBs	<	1900		ug/kg
		Metals				
JRS-02D	4/20/94	Silver	<	0.01		mg/l
JRS-02D	4/20/94	Arsenic	<	0.2		mg/l
JRS-02D	4/20/94	Barium		0.221		mg/l
JRS-02D	4/20/94	Cadmium	<	0.005		mg/l
JRS-02D	4/20/94	Chromium	<	0.01		mg/l
JRS-02D	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRS-02D	4/20/94	Copper	<	0.02		mg/l
JRS-02D	4/20/94	Mercury	<	0.0002		mg/l
JRS-02D	4/20/94	Lead	<	0.1		mg/l
JRS-02D	4/20/94	Selenium	<	0.2		mg/l
JRS-02D	4/20/94	Zinc		0.198		mg/l
		Pesticides and Herbicides				
JRS-02D	4/20/94	2,4-D	<	20		ug/l
JRS-02D	4/20/94	2,4,5-TP		0.066	JB	ug/l
JRS-02D	4/20/94	Endrin	<	0.2		ug/l
JRS-02D	4/20/94	Heptachlor	<	0.1		ug/l
JRS-02D	4/20/94	Heptachlor Epoxide	<	0.1		ug/l
JRS-02D	4/20/94	Methoxychlor	<	1		ug/l
JRS-02D	4/20/94	Chlordane	<	2		ug/l
JRS-02D	4/20/94	Toxaphene	<	10		ug/l
JRS-02D	4/20/94	Lindane	<	0.1		ug/l
		Semi-Volatile Organics				
JRS-02D	4/20/94	Pentachlorophenol	<	100		ug/l
JRS-02D	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRS-02D	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRS-02D	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRS-02D	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRS-02D	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRS-02D	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRS-02D	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRS-02D	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRS-02D	4/20/94	Hexachlorobenzene	<	20		ug/l
JRS-02D	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRS-02D	4/20/94	Hexachloroethane	<	20		ug/l
JRS-02D	4/20/94	Nitrobenzene	<	20		ug/l
JRS-02D	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRS-02D	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRS-02D	4/20/94	Tetrachloroethylene	<	5		ug/l
JRS-02D	4/20/94	Trichloroethene	<	5		ug/l
JRS-02D	4/20/94	Benzene	<	5		ug/l
JRS-02D	4/20/94	Carbon Tetrachloride	<	5		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRS-02D	4/20/94	Chlorobenzene	<	5		ug/l
JRS-02D	4/20/94	Chloroform	<	5		ug/l
JRS-02D	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRS-02D	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRS-02D	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRC-02D	4/20/94	Ignitability, As specified in		PASSES		
JRC-02D	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRC-02D	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRC-02D	4/20/94	Total Organic Carbon (TOC)		9040		mg/kg
		Inorganic Non-Metals				
JRC-02D	4/20/94	Cyanide	<	0.0607		mg/kg
JRC-02D	4/20/94	Sulfides as S	<	60.7		mg/kg
JRC-02D	4/20/94	Total Solids		82.4		%
		PCB				
JRC-02D	4/20/94	PCB-1254		480		ug/kg
		Metals				
JRC-02D	4/20/94	Silver	<	0.01		mg/l
JRC-02D	4/20/94	Arsenic	<	0.2		mg/l
JRC-02D	4/20/94	Barium		0.759		mg/l
JRC-02D	4/20/94	Cadmium	<	0.005		mg/l
JRC-02D	4/20/94	Chromium	<	0.01		mg/l
JRC-02D	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRC-02D	4/20/94	Copper	<	0.02		mg/l
JRC-02D	4/20/94	Mercury	<	0.0002		mg/l
JRC-02D	4/20/94	Lead	<	0.1		mg/l
JRC-02D	4/20/94	Selenium	<	0.2		mg/l
JRC-02D	4/20/94	Zinc		0.373		mg/l
		Pesticides and Herbicides				
JRC-02D	4/20/94	2,4-D	<	20		ug/l
JRC-02D	4/20/94	2,4,5-TP	<	20		ug/l
JRC-02D	4/20/94	Endrin	<	0.14		ug/l
JRC-02D	4/20/94	Heptachlor		0.012	J	ug/l
JRC-02D	4/20/94	Heptachlor Epoxide	<	0.071		ug/l
JRC-02D	4/20/94	Methoxychlor	<	0.71		ug/l
JRC-02D	4/20/94	Chlordane	<	1.4		ug/l
JRC-02D	4/20/94	Toxaphene	<	7.1		ug/l
JRC-02D	4/20/94	Lindane	<	0.071		ug/l
		Semi-Volatile Organics				
JRC-02D	4/20/94	Pentachlorophenol	<	100		ug/l
JRC-02D	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRC-02D	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRC-02D	4/20/94	2-Methylphenol (o-Cresol)		3	J	ug/l
JRC-02D	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRC-02D	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRC-02D	4/20/94	O,M,P Cresol (Total Cresols)		3	J	ug/l
JRC-02D	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRC-02D	4/20/94	2,4-Dinitrotoluene	<	20		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRC-02D	4/20/94	Hexachlorobenzene	<	20		ug/l
JRC-02D	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRC-02D	4/20/94	Hexachloroethane	<	20		ug/l
JRC-02D	4/20/94	Nitrobenzene	<	20		ug/l
JRC-02D	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRC-02D	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRC-02D	4/20/94	Tetrachloroethylene	<	5		ug/l
JRC-02D	4/20/94	Trichloroethene	<	5		ug/l
JRC-02D	4/20/94	Benzene	<	5		ug/l
JRC-02D	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRC-02D	4/20/94	Chlorobenzene	<	5		ug/l
JRC-02D	4/20/94	Chloroform		2	JB	ug/l
JRC-02D	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRC-02D	4/20/94	1,1-Dichloroethane	<	5		ug/l
JRC-02D	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRC-02C	4/20/94	Ignitability, As specified in		PASSES		
JRC-02C	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRC-02C	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRC-02C	4/20/94	Total Organic Carbon (TOC)		12900		mg/kg
		Inorganic Non-Metals				
JRC-02C	4/20/94	Cyanide	<	0.0581		mg/kg
JRC-02C	4/20/94	Sulfides as S	<	58.1		mg/kg
JRC-02C	4/20/94	Total Solids		86.1		%
		Metals				
JRC-02C	4/20/94	Silver	<	0.01		mg/l
JRC-02C	4/20/94	Arsenic		0.238		mg/l
JRC-02C	4/20/94	Barium		0.408		mg/l
JRC-02C	4/20/94	Cadmium	<	0.005		mg/l
JRC-02C	4/20/94	Chromium	<	0.01		mg/l
JRC-02C	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRC-02C	4/20/94	Copper	<	0.02		mg/l
JRC-02C	4/20/94	Mercury	<	0.0002		mg/l
JRC-02C	4/20/94	Lead	<	0.1		mg/l
JRC-02C	4/20/94	Selenium	<	0.2		mg/l
JRC-02C	4/20/94	Zinc		0.137		mg/l
		Pesticides and Herbicides				
JRC-02C	4/20/94	2,4-D	<	20		ug/l
JRC-02C	4/20/94	2,4,5-TP	<	20		ug/l
JRC-02C	4/20/94	Endrin	<	0.1		ug/l
JRC-02C	4/20/94	Heptachlor	<	0.052		ug/l
JRC-02C	4/20/94	Heptachlor Epoxide	<	0.052		ug/l
JRC-02C	4/20/94	Methoxychlor	<	0.52		ug/l
JRC-02C	4/20/94	Chlordane	<	1		ug/l
JRC-02C	4/20/94	Toxaphene	<	5.2		ug/l
JRC-02C	4/20/94	Lindane	<	0.052		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Semi-Volatile Organics				
JRC-02C	4/20/94	Pentachlorophenol	<	100		ug/l
JRC-02C	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRC-02C	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRC-02C	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRC-02C	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRC-02C	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRC-02C	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRC-02C	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRC-02C	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRC-02C	4/20/94	Hexachlorobenzene	<	20		ug/l
JRC-02C	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRC-02C	4/20/94	Hexachloroethane	<	20		ug/l
JRC-02C	4/20/94	Nitrobenzene	<	20		ug/l
JRC-02C	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRC-02C	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRC-02C	4/20/94	Tetrachloroethylene	<	5		ug/l
JRC-02C	4/20/94	Trichloroethene	<	5		ug/l
JRC-02C	4/20/94	Benzene	<	5		ug/l
JRC-02C	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRC-02C	4/20/94	Chlorobenzene	<	5		ug/l
JRC-02C	4/20/94	Chloroform		3	JB	ug/l
JRC-02C	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRC-02C	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRC-02C	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRE-02D	4/20/94	Ignitability, As specified in		PASSES		
JRE-02D	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRE-02D	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRE-02D	4/20/94	Total Organic Carbon (TOC)		143000		mg/kg
		Inorganic Non-Metals				
JRE-02D	4/20/94	Cyanide		0.0885		mg/kg
JRE-02D	4/20/94	Sulfides as S	<	59		mg/kg
JRE-02D	4/20/94	Total Solids		84.7		%
		PCB				
JRE-02D	4/20/94	PCB-1254		2300		ug/kg
		Metals				
JRE-02D	4/20/94	Silver	<	0.01		mg/l
JRE-02D	4/20/94	Arsenic	<	0.2		mg/l
JRE-02D	4/20/94	Barium		0.314		mg/l
JRE-02D	4/20/94	Cadmium	<	0.005		mg/l
JRE-02D	4/20/94	Chromium		0.096		mg/l
JRE-02D	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRE-02D	4/20/94	Copper	<	0.02		mg/l
JRE-02D	4/20/94	Mercury	<	0.0002		mg/l
JRE-02D	4/20/94	Lead	<	0.1		mg/l
JRE-02D	4/20/94	Selenium	<	0.2		mg/l
JRE-02D	4/20/94	Zinc		0.538		mg/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Pesticides and Herbicides				
JRE-02D	4/20/94	2,4-D	<	20		ug/l
JRE-02D	4/20/94	2,4,5-TP	<	20		ug/l
JRE-02D	4/20/94	Endrin		0.0071	J	ug/l
JRE-02D	4/20/94	Heptachlor	<	0.054		ug/l
JRE-02D	4/20/94	Heptachlor Epoxide	<	0.054		ug/l
JRE-02D	4/20/94	Methoxychlor	<	0.54		ug/l
JRE-02D	4/20/94	Chlordane	<	1.1		ug/l
JRE-02D	4/20/94	Toxaphene	<	5.4		ug/l
JRE-02D	4/20/94	Lindane	<	0.054		ug/l
		Semi-Volatile Organics				
JRE-02D	4/20/94	Pentachlorophenol	<	100		ug/l
JRE-02D	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRE-02D	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRE-02D	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRE-02D	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRE-02D	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRE-02D	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRE-02D	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRE-02D	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRE-02D	4/20/94	Hexachlorobenzene	<	20		ug/l
JRE-02D	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRE-02D	4/20/94	Hexachloroethane	<	20		ug/l
JRE-02D	4/20/94	Nitrobenzene	<	20		ug/l
JRE-02D	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRE-02D	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRE-02D	4/20/94	Tetrachloroethylene	<	5		ug/l
JRE-02D	4/20/94	Trichloroethene	<	5		ug/l
JRE-02D	4/20/94	Benzene	<	5		ug/l
JRE-02D	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRE-02D	4/20/94	Chlorobenzene	<	5		ug/l
JRE-02D	4/20/94	Chloroform		3	JB	ug/l
JRE-02D	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRE-02D	4/20/94	1,1-Dichloroethane	<	5		ug/l
JRE-02D	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRE-02C	4/20/94	Ignitability, As specified in		PASSES		
JRE-02C	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRE-02C	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRE-02C	4/20/94	Total Organic Carbon (TOC)	>	255000		mg/kg
		Inorganic Non-Metals				
JRE-02C	4/20/94	Cyanide		0.27		mg/kg
JRE-02C	4/20/94	Sulfides as S	<	67.4		mg/kg
JRE-02C	4/20/94	Total Solids		74.2		%
		PCB				
JRE-02C	4/20/94	PCB-1260		280000		ug/kg

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Metals				
JRE-02C	4/20/94	Silver	<	0.01		mg/l
JRE-02C	4/20/94	Arsenic	<	0.2		mg/l
JRE-02C	4/20/94	Barium		0.488		mg/l
JRE-02C	4/20/94	Cadmium	<	0.005		mg/l
JRE-02C	4/20/94	Chromium	<	0.01		mg/l
JRE-02C	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRE-02C	4/20/94	Copper	<	0.02		mg/l
JRE-02C	4/20/94	Mercury	<	0.0002		mg/l
JRE-02C	4/20/94	Lead	<	0.1		mg/l
JRE-02C	4/20/94	Selenium	<	0.2		mg/l
JRE-02C	4/20/94	Zinc		0.084		mg/l
		Pesticides and Herbicides				
JRE-02C	4/20/94	2,4-D	<	20		ug/l
JRE-02C	4/20/94	2,4,5-TP	<	20		ug/l
JRE-02C	4/20/94	Endrin		0.014	J	ug/l
JRE-02C	4/20/94	Heptachlor		0.0086	J	ug/l
JRE-02C	4/20/94	Heptachlor Epoxide	<	0.052		ug/l
JRE-02C	4/20/94	Methoxychlor	<	0.52		ug/l
JRE-02C	4/20/94	Chlordane	<	1		ug/l
JRE-02C	4/20/94	Toxaphene	<	5.2		ug/l
JRE-02C	4/20/94	Lindane	<	0.052		ug/l
		Semi-Volatile Organics				
JRE-02C	4/20/94	Pentachlorophenol	<	100		ug/l
JRE-02C	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRE-02C	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRE-02C	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRE-02C	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRE-02C	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRE-02C	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRE-02C	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRE-02C	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRE-02C	4/20/94	Hexachlorobenzene	<	20		ug/l
JRE-02C	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRE-02C	4/20/94	Hexachloroethane	<	20		ug/l
JRE-02C	4/20/94	Nitrobenzene	<	20		ug/l
JRE-02C	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRE-02C	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRE-02C	4/20/94	Tetrachloroethylene	<	5		ug/l
JRE-02C	4/20/94	Trichloroethene	<	5		ug/l
JRE-02C	4/20/94	Benzene	<	5		ug/l
JRE-02C	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRE-02C	4/20/94	Chlorobenzene	<	5		ug/l
JRE-02C	4/20/94	Chloroform		2	JB	ug/l
JRE-02C	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRE-02C	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRE-02C	4/20/94	Vinyl Chloride	<	10		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		Hazardous Parameters				
JRC-02D-A	4/20/94	Ignitability, As specified in		PASSES		
JRC-02D-A	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRC-02D-A	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRC-02D-A	4/20/94	Total Organic Carbon (TOC)		7420		mg/kg
		Inorganic Non-Metals				
JRC-02D-A	4/20/94	Cyanide		0.117		mg/kg
JRC-02D-A	4/20/94	Sulfides as S	<	58.3		mg/kg
JRC-02D-A	4/20/94	Total Solids		85.7		%
		Metals				
JRC-02D-A	4/20/94	Silver	<	0.01		mg/l
JRC-02D-A	4/20/94	Arsenic	<	0.2		mg/l
JRC-02D-A	4/20/94	Barium		0.34		mg/l
JRC-02D-A	4/20/94	Cadmium	<	0.005		mg/l
JRC-02D-A	4/20/94	Chromium	<	0.01		mg/l
JRC-02D-A	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRC-02D-A	4/20/94	Copper	<	0.02		mg/l
JRC-02D-A	4/20/94	Mercury	<	0.0002		mg/l
JRC-02D-A	4/20/94	Lead	<	0.1		mg/l
JRC-02D-A	4/20/94	Selenium	<	0.2		mg/l
JRC-02D-A	4/20/94	Zinc		0.11		mg/l
		Pesticides and Herbicides				
JRC-02D-A	4/20/94	2,4-D	<	20		ug/l
JRC-02D-A	4/20/94	2,4,5-TP	<	20		ug/l
JRC-02D-A	4/20/94	Endrin		0.0032	J	ug/l
JRC-02D-A	4/20/94	Heptachlor		0.01	J	ug/l
JRC-02D-A	4/20/94	Heptachlor Epoxide	<	0.052		ug/l
JRC-02D-A	4/20/94	Methoxychlor	<	0.52		ug/l
JRC-02D-A	4/20/94	Chlordane	<	1		ug/l
JRC-02D-A	4/20/94	Toxaphene	<	5.2		ug/l
JRC-02D-A	4/20/94	Lindane	<	0.052		ug/l
		Semi-Volatile Organics				
JRC-02D-A	4/20/94	Pentachlorophenol	<	100		ug/l
JRC-02D-A	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRC-02D-A	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRC-02D-A	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRC-02D-A	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRC-02D-A	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRC-02D-A	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRC-02D-A	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRC-02D-A	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRC-02D-A	4/20/94	Hexachlorobenzene	<	20		ug/l
JRC-02D-A	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRC-02D-A	4/20/94	Hexachloroethane	<	20		ug/l
JRC-02D-A	4/20/94	Nitrobenzene	<	20		ug/l
JRC-02D-A	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRC-02D-A	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRC-02D-A	4/20/94	Tetrachloroethylene	<	5		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRC-02D-A	4/20/94	Trichloroethene	<	5		ug/l
JRC-02D-A	4/20/94	Benzene	<	5		ug/l
JRC-02D-A	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRC-02D-A	4/20/94	Chlorobenzene	<	5		ug/l
JRC-02D-A	4/20/94	Chloroform		3	JB	ug/l
JRC-02D-A	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRC-02D-A	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRC-02D-A	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRF-02D	4/20/94	Ignitability, As specified in		PASSES		
JRF-02D	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRF-02D	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRF-02D	4/20/94	Total Organic Carbon (TOC)	>	136000		mg/kg
		Inorganic Non-Metals				
JRF-02D	4/20/94	Cyanide		0.226		mg/kg
JRF-02D	4/20/94	Sulfides as S	<	64.6		mg/kg
JRF-02D	4/20/94	Total Solids		77.4		%
		PCB				
JRF-02D	4/20/94	PCB-1254		720		ug/kg
		Metals				
JRF-02D	4/20/94	Silver	<	0.01		mg/l
JRF-02D	4/20/94	Arsenic	<	0.2		mg/l
JRF-02D	4/20/94	Barium		0.364		mg/l
JRF-02D	4/20/94	Cadmium	<	0.005		mg/l
JRF-02D	4/20/94	Chromium	<	0.01		mg/l
JRF-02D	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRF-02D	4/20/94	Copper		0.286		mg/l
JRF-02D	4/20/94	Mercury	<	0.0002		mg/l
JRF-02D	4/20/94	Lead	<	0.1		mg/l
JRF-02D	4/20/94	Selenium	<	0.2		mg/l
JRF-02D	4/20/94	Zinc		0.307		mg/l
		Pesticides and Herbicides				
JRF-02D	4/20/94	2,4-D	<	20		ug/l
JRF-02D	4/20/94	2,4,5-TP		0.013	J	ug/l
JRF-02D	4/20/94	Endrin		0.031	J	ug/l
JRF-02D	4/20/94	Heptachlor	<	0.052		ug/l
JRF-02D	4/20/94	Heptachlor Epoxide	<	0.052		ug/l
JRF-02D	4/20/94	Methoxychlor	<	0.52		ug/l
JRF-02D	4/20/94	Chlordane	<	1		ug/l
JRF-02D	4/20/94	Toxaphene	<	5.2		ug/l
JRF-02D	4/20/94	Lindane	<	0.052		ug/l
		Semi-Volatile Organics				
JRF-02D	4/20/94	Pentachlorophenol	<	100		ug/l
JRF-02D	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRF-02D	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRF-02D	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRF-02D	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRF-02D	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRF-02D	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRF-02D	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRF-02D	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRF-02D	4/20/94	Hexachlorobenzene	<	20		ug/l
JRF-02D	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRF-02D	4/20/94	Hexachloroethane	<	20		ug/l
JRF-02D	4/20/94	Nitrobenzene	<	20		ug/l
JRF-02D	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRF-02D	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRF-02D	4/20/94	Tetrachloroethylene		1	J	ug/l
JRF-02D	4/20/94	Trichloroethene	<	5		ug/l
JRF-02D	4/20/94	Benzene	<	5		ug/l
JRF-02D	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRF-02D	4/20/94	Chlorobenzene	<	5		ug/l
JRF-02D	4/20/94	Chloroform		2	J	ug/l
JRF-02D	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRF-02D	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRF-02D	4/20/94	Vinyl Chloride	<	10		ug/l
		Hazardous Parameters				
JRF-02C	4/20/94	Ignitability, As specified in		PASSES		
JRF-02C	4/20/94	Total Releasable Cyanide as HC	<	0.1		mg/kg
JRF-02C	4/20/94	Total Releasable Sulfide as H2	<	50		mg/kg
JRF-02C	4/20/94	Total Organic Carbon (TOC)		34600		mg/kg
		Inorganic Non-Metals				
JRF-02C	4/20/94	Cyanide		0.0924		mg/kg
JRF-02C	4/20/94	Sulfides as S	<	61.6		mg/kg
JRF-02C	4/20/94	Total Solids		81.2		%
		PCB				
JRF-02C	4/20/94	PCB-1254		380		ug/kg
		Metals				
JRF-02C	4/20/94	Silver	<	0.01		mg/l
JRF-02C	4/20/94	Arsenic	<	0.2		mg/l
JRF-02C	4/20/94	Barium		0.809		mg/l
JRF-02C	4/20/94	Cadmium	<	0.005		mg/l
JRF-02C	4/20/94	Chromium	<	0.01		mg/l
JRF-02C	4/20/94	Hexavalent Chromium	<	0.01		mg/l
JRF-02C	4/20/94	Copper		0.044		mg/l
JRF-02C	4/20/94	Mercury	<	0.0002		mg/l
JRF-02C	4/20/94	Lead	<	0.1		mg/l
JRF-02C	4/20/94	Selenium	<	0.2		mg/l
JRF-02C	4/20/94	Zinc		0.351		mg/l
		Pesticides and Herbicides				
JRF-02C	4/20/94	2,4-D	<	20		ug/l
JRF-02C	4/20/94	2,4,5-TP		0.016	J	ug/l
JRF-02C	4/20/94	Endrin	<	0.2		ug/l
JRF-02C	4/20/94	Heptachlor	<	0.1		ug/l
JRF-02C	4/20/94	Heptachlor Epoxide	<	0.1		ug/l

TABLE 2 - SOLID WASTE CHARACTERIZATION

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
JRF-02C	4/20/94	Methoxychlor	<	1		ug/l
JRF-02C	4/20/94	Chlordane	<	2		ug/l
JRF-02C	4/20/94	Toxaphene	<	10		ug/l
JRF-02C	4/20/94	Lindane	<	0.1		ug/l
		Semi-Volatile Organics				
JRF-02C	4/20/94	Pentachlorophenol	<	100		ug/l
JRF-02C	4/20/94	2,4,6-Trichlorophenol	<	20		ug/l
JRF-02C	4/20/94	2,4,5-Trichlorophenol	<	100		ug/l
JRF-02C	4/20/94	2-Methylphenol (o-Cresol)	<	20		ug/l
JRF-02C	4/20/94	4-Methylphenol (p-Cresol)	<	20		ug/l
JRF-02C	4/20/94	3-Methylphenol (m-Cresol)	<	20		ug/l
JRF-02C	4/20/94	O,M,P Cresol (Total Cresols)	<	20		ug/l
JRF-02C	4/20/94	1,4-Dichlorobenzene	<	20		ug/l
JRF-02C	4/20/94	2,4-Dinitrotoluene	<	20		ug/l
JRF-02C	4/20/94	Hexachlorobenzene	<	20		ug/l
JRF-02C	4/20/94	Hexachlorobutadiene	<	20		ug/l
JRF-02C	4/20/94	Hexachloroethane	<	20		ug/l
JRF-02C	4/20/94	Nitrobenzene	<	20		ug/l
JRF-02C	4/20/94	Pyridine	<	20		ug/l
		Volatile Organics				
JRF-02C	4/20/94	Methyl ethyl ketone	<	10		ug/l
JRF-02C	4/20/94	Tetrachloroethylene	<	5		ug/l
JRF-02C	4/20/94	Trichloroethene	<	5		ug/l
JRF-02C	4/20/94	Benzene	<	5		ug/l
JRF-02C	4/20/94	Carbon Tetrachloride	<	5		ug/l
JRF-02C	4/20/94	Chlorobenzene	<	5		ug/l
JRF-02C	4/20/94	Chloroform		3	J	ug/l
JRF-02C	4/20/94	1,2-Dichloroethane	<	5		ug/l
JRF-02C	4/20/94	1,1-Dichloroethene	<	5		ug/l
JRF-02C	4/20/94	Vinyl Chloride	<	10		ug/l

TABLE 3 - SOLID WASTE PCB REANALYSIS
OF WASTE STREAMS E AND R

TABLE 4 - SOLID WASTE PCB ANALYSIS
THIRD SAMPLING EVENT

TABLE 5 - SOLID WASTE PCB ANALYSIS -
FOURTH SAMPLING EVENT

TABLE 3 - SOLID WASTE PCB REANALYSES OF WASTE STREAMS E AND R

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		PCBs				
JRR-02C (black & soft)	4/21/94	PCB-1254		2231		ug/kg
JRR-02C (red & hard)	4/21/94	Total PCBs	<	480000		ug/kg
JRR-02C (black & hard)	4/21/94	PCB-1254		2011		ug/kg
JRE-02C (green)	4/20/94	PCB-1260		6400		ug/kg
JRE-02C (dark)	4/20/94	PCB-1260		4200		ug/kg
JRE-02C (tan)	4/20/94	PCB-1260		96000		ug/kg

TABLE 4 - SOLID WASTE PCB ANALYSES

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		PCBs				
JRA-03-1	5/23/94	PCB-1260		1400		ug/kg
JRA-03-2	5/23/94	PCB-1260		4400		ug/kg
JRA-03-3	5/23/94	PCB-1254		260	J	ug/kg
JRA-03-4	5/23/94	Total PCBs	<	2400		ug/kg
JRA-03-5	5/23/94	Total PCBs	<	2400		ug/kg
JRA-03-6	5/23/94	PCB-1254		1300		ug/kg
JRE-03-1	5/23/94	PCB-1260		8100		ug/kg
JRE-03-2	5/23/94	Total PCBs	<	2400		ug/kg
JRE-03-3	5/23/94	Total PCBs	<	2400		ug/kg
JRE-03-4	5/23/94	PCB-1254		370	J	ug/kg
JRE-03-5	5/23/94	Total PCBs	<	2400		ug/kg
JRE-03-6	5/23/94	Total PCBs	<	2600		ug/kg
JRE-03-7	5/23/94	PCB-1260		2900		ug/kg
JRR-03-1	5/23/94	Total PCBs	<	4800		ug/kg
JRR-03-2	5/23/94	Total PCBs	<	560000		ug/kg
JRR-03-3	5/23/94	Total PCBs	<	2400		ug/kg

TABLE 5 - SOLID WASTE PCB ANALYSES

LOCATION	SAMPLE DATE	PARAMETER DESCRIPTION	SIGN	RESULT	QUALIFIER	UNITS
		PCBs				
JRE-02-C (green)	4/20/94	PCB1254		12000		ug/kg
JRE-02-C0 (dark)	4/20/94	PCB-1254		9700		ug/kg
JRE-02-C1 (tan)	4/20/94	PCB-1260		60000		ug/kg
JRE-04-2A	6/7/94	PCB-1260		1400		ug/kg
JRE-04-3A	6/7/94	PCB-1254		2000		ug/kg
JRE-04-4A	6/7/94	PCB-1260		140000		ug/kg
JRR-04-1A	6/7/94	Total PCBs	<	125000		ug/kg
JRR-04-2A	6/7/94	PCB-1260		500		ug/kg
JRR-04-3A	6/7/94	Total PCBs	<	125000		ug/kg
JRR-04-4A	6/7/94	Total PCBs	<	125000		ug/kg
JRR-04-5A	6/7/94	Total PCBs	<	125000		ug/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (S)	BG1-SS	BG2-SS	BG3-SS	BG4-SS	SS-B2
Sample ID:		Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	
Sampling Date:		04/26/94	04/26/94	04/26/94	04/27/94	04/26/94
Sample Number:		1409710	1409712	1409714	1409841	1409716
Semi-Volatile Organics						
Acenaphthene	24000	..	..	36 ug/kg J	..	..
Anthracene	140000	..	..	110 ug/kg J	..	..
Benzo(a)anthracene	* 1800	..	..	540 ug/kg	..	..
Benzo(a)Pyrene	m 330	..	..	630 ug/kg h	..	..
Benzo(b)fluoranthene	* 1800	53 ug/kg J	47 ug/kg J	850 ug/kg	..	72 ug/kg J
Benzo(g,h,i)perylene	* 930000	..	..	370 ug/kg	..	..
Benzo(k)fluoranthene	* 18000	..	..	330 ug/kg J	..	..
bis(2-Ethylhexyl)phthalate	* 92000	49 ug/kg J	2300 ug/kg	180 ug/kg J	64 ug/kg J	..
Butylbenzylphthalate	22000	..	..	44 ug/kg J	..	..
Carbazole	m 330	..	..	130 ug/kg J	..	..
Chrysene	* 180000	..	..	610 ug/kg	..	..
Dibenzo(a,h)anthracene	m 330	..	..	100 ug/kg J	..	..
Fluoranthene	17000	61 ug/kg J	52 ug/kg J	1100 ug/kg	..	73 ug/kg J
Fluorene	17000	..	..	58 ug/kg J	..	..
Indeno (1,2,3-cd) pyrene	* 1800	..	..	340 ug/kg J	..	..
Phenanthrene	500	..	40 ug/kg J	690 ug/kg h	..	..
Pyrene	10000	57 ug/kg J	65 ug/kg J	1100 ug/kg	..	71 ug/kg J
Pesticides and Herbicides						
2,4,5-TP	1000	..	2.5 ug/kg J	..	2.1 ug/kg J	..
2,4-D	1400	..	..	..	9.3 ug/kg JB	..
4,4'-DDE	* 3800	0.38 ug/kg J nj	180 ug/kg nj	0.57 ug/kg J nj	0.40 ug/kg J	..
4,4'-DDT	* 3800	2.0 ug/kg Jj	300 ug/kg j	19 ug/kg Jj	..	..
Aldrin	* 76	0.82 ug/kg J	..	..	..	..
Endosulfan II	* 60000	0.22 ug/kg J	..	..	..	..
Endrin	* 44000	0.63 ug/kg J	..	2.7 ug/kg Jj	..	1.0 ug/kg Jj
Endrin Aldehyde	m 3.3	5.4 ug/kg J h	5.3 ug/kg J h	..	3.3 ug/kg J	..
Gamma-BHC (Lindane)	m 1.7	0.14 ug/kg J	..	..	..	..
Heptachlor Epoxide	* 140	..	..	..	..	0.31 ug/kg J
PCB-1260	* 1000	..	..	350 ug/kg j	..	140 ug/kg Jj
Inorganic Non-metals						
Cyanide	3.0	0.103 mg/kg j	0.0525 mg/kg j	..	0.227 mg/kg j	0.0772 mg/kg j
Physical Properties						
% Solids		>0.5 %	>0.5 %	>0.5 %	>0.5 %	>0.5 %

* * = NOT TESTED OR NOT DETECTED
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"G" = QL Not Demonstrably Below The Applicable Criteria

Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (S)	BG1-SS	BG2-SS	BG3-SS	BG4-SS	SS-B2
Sample ID:		Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	
Sampling Date:		04/26/94	04/26/94	04/26/94	04/27/94	04/26/94
Sample Number:		1409710	1409712	1409714	1409841	1409716
Physical Properties						
Total Solids		96.9 %	95.3 %	95.0 %	66.1 %	97.2 %
Hazardous Parameters						
Ignitibility, As in 49CFR172		PASSES	PASSES	PASSES	passes	PASSES

* * = NOT TESTED OR NOT DETECTED
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-B4	SS-B4	SS-C3	SS-C5	SS-C7
Sample ID:	Applicable		Dup 1409831			
Sampling Date:	Standards	04/27/94	04/27/94	04/26/94	04/26/94	04/27/94
Sample Number:	(S)	1409831	1409833	1409718	1409720	1409829
Semi-Volatile Organics						
Anthracene	140000	..	..	..	400 ug/kg J	..
Benzo(b)fluoranthene	* 1800	90 ug/kg J	88 ug/kg J	..	560 ug/kg J	..
Benzo(g,h,i)perylene	* 930000	83 ug/kg J	93 ug/kg J	..	..	..
bis(2-Ethylhexyl)phthalate	* 92000	120 ug/kg J	140 ug/kg J	160 ug/kg J	..	110 ug/kg J
Chrysene	* 180000	..	..	..	360 ug/kg J	..
Di-n-butylphthalate	17000	..	170 ug/kg J	..	..	62 ug/kg J
Fluoranthene	17000	92 ug/kg J	78 ug/kg J	..	550 ug/kg J	..
Phenanthrene	500	..	..	..	420 ug/kg J	..
Pyrene	10000	120 ug/kg J	100 ug/kg J	..	530 ug/kg J	..
Pesticides and Herbicides						
2,4,5-TP	1000	..	..	0.86 ug/kg J	..	..
4,4'-DDD	* 5400	..	..	..	13 ug/kg J nj	0.68 ug/kg Jj
4,4' DDE	* 3800	..	3.3 ug/kg J	..	3.3 ug/kg J nj	5.2 ug/kg Jj
4,4' DDT	* 3800	..	..	..	120 ug/kg Jj	0.98 ug/kg Jj
Endrin Aldehyde	m 3.3	..	..	4.7 ug/kg J, h	..	1.9 ug/kg Jj
Gamma BHC (Lindane)	m 1.7	..	..	1.3 ug/kg J	..	..
Heptachlor	* 280	2.4 ug/kg Jj	5.4 ug/kg Jj	..	..	..
PCB-1248	* 1000	99 ug/kg J	150 ug/kg J	..	..	..
PCB-1260	* 1000	140 ug/kg J	140 ug/kg J	100 ug/kg J	3600 ug/kg h	..
Inorganic Non-metals						
Cyanide	3.0	0.166 mg/kg j	0.164 mg/kg j	0.102 mg/kg j	..	..
Physical Properties						
% Solids		>0.5 %	>0.5 %	>0.5 %	>5.0 %	>0.5 %
Total Solids		90.4 %	91.7 %	97.6 %	93.0 %	66.1 %
Hazardous Parameters						
Ignitibility, As in 49CFR172		passes	passes	PASSES	PASSES	passes

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-C6	SS-D3	SS-D5	SS-D5	SS-D7
Sample ID:	Applicable				Dup 1409724	
Sampling Date:	Standards	04/27/94	04/26/94	04/26/94	04/26/94	04/26/94
Sample Number:	(S)	1409837	1409722	1409724	1409726	1409728
Volatile Organics						
Acetone	14000	38 ug/kg	..	..	..	..
Semi-Volatile Organics						
Acenaphthylene	500	..	350 ug/kg J	..	..	..
Anthracene	140000	..	220 ug/kg J	..	..	..
Benzo(a)anthracene	* 1800	51 ug/kg J	610 ug/kg J	380 ug/kg J	430 ug/kg J	..
Benzo(a)Pyrene	m 330	63 ug/kg J	750 ug/kg h	360 ug/kg J h	440 ug/kg J h	..
Benzo(b)fluoranthene	* 1800	100 ug/kg J	1300 ug/kg	590 ug/kg J	760 ug/kg J	..
Benzo(g,h,i)perylene	* 930000	46 ug/kg J	550 ug/kg J	270 ug/kg J	380 ug/kg J	..
Benzo(k)fluoranthene	* 18000	..	530 ug/kg J	280 ug/kg J	320 ug/kg J	..
bis(2-EthylHexyl)phthalate	* 92000	67 ug/kg J	..	360 ug/kg J	400 ug/kg J	20000 ug/kg
Carbazole	m 330	..	120 ug/kg J	..	..	..
Chrysene	* 180000	75 ug/kg J	690 ug/kg J	370 ug/kg J	380 ug/kg J	..
Di-n-butylphthalate	17000	51 ug/kg J	..	..	..	..
Dibenzo(a,h)anthracene	m 330	..	150 ug/kg J	..	..	..
Fluoranthene	17000	140 ug/kg J	870 ug/kg	520 ug/kg J	600 ug/kg J	..
Indeno (1,2,3-cd) pyrene	* 1800	42 ug/kg J	480 ug/kg J	..	220 ug/kg J	..
Phenanthrene	500	86 ug/kg J	170 ug/kg J	..	..	..
Pyrene	10000	110 ug/kg J	850 ug/kg	530 ug/kg J	630 ug/kg J	..
Pesticides and Herbicides						
2,4,5-TP	1000	..	..	..	..	18 ug/kg J r
4,4'-DDE	* 3800	..	2.5 ug/kg J nj	..	..	2.5 ug/kg J nj
4,4'-DDT	* 3800	..	22 ug/kg Jj	2.8 ug/kg Jj	..	..
Aldrin	* 76	..	..	..	..	1.7 ug/kg Jj
Dieldrin	* 80	..	2.7 ug/kg Jj	..	1.1 ug/kg J	1.7 ug/kg Jj
Endrin	* 44000	..	4.7 ug/kg Jj	1.6 ug/kg Jj	2.2 ug/kg Jj	1.8 ug/kg Jj
Methoxychlor	700	..	..	..	1.3 ug/kg Jj	..
PCB-1260	* 1000	830 ug/kg J	620 ug/kg J	..	..	..
Inorganic Non-metals						
Cyanide	3.0	0.217 mg/kg j	0.0536 mg/kg j	0.247 mg/kg j	0.286 mg/kg j	0.0646 mg/kg j
Physical Properties						
% Solids		>0.5 %	>0.5 %	>0.5 %	>0.5 %	>0.5 %

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (S)	SS-C6	SS-D3	SS-D5	SS-D5 Dup 1409724	SS D7
Sample ID:						
Sampling Date:		04/27/94	04/26/94	04/26/94	04/26/94	04/26/94
Sample Number:		1409837	1409722	1409724	1409726	1409728
Physical Properties						
Total Solids		80.7 %	93.2 %	81.1 %	78.7 %	77.4 %
Hazardous Parameters						
Ignitibility, As in 49CFR172		passes	passes	PASSES	PASSES	PASSES

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (S)	SS-D4	SS-D8	SS-E3	SS-E6	SS-E7
Sample ID:						
Sampling Date:		04/27/94	04/27/94	04/26/94	04/26/94	04/26/94
Sample Number:		1409835	1409839	1409730	1409732	1409734
Semi-Volatile Organics						
Benzo(a)Pyrene	m 330	..	310 ug/kg J	..	..	..
Benzo(b)fluoranthene	* 1800	..	200 ug/kg J	..	81 ug/kg J	..
Benzo(g,h,i)perylene	* 930000	..	260 ug/kg J	..	..	..
bis(2-EthylHexyl)phthalate	* 92000	52 ug/kg J	460 ug/kg J	120 ug/kg J	110 ug/kg J	37000 ug/kg
Butylbenzylphthalate	22000	..	..	..	..	11000 ug/kg
Di-n-butylphthalate	17000	54 ug/kg J	..	..	1600 ug/kg	..
Fluoranthene	17000	..	190 ug/kg J	..	100 ug/kg J	..
Pyrene	10000	..	250 ug/kg J	..	..	..
Pesticides and Herbicides						
2,4,5-TP	1000	1.5 ug/kg J	..	..	..	..
4,4'-DDD	* 5400	0.83 ug/kg J	..	..	5.6 ug/kg J nj	..
4,4'-DDE	* 3800	7.7 ug/kg J	..	..	12 ug/kg J nj	310 ug/kg J j
4,4'-DDT	* 3800	2.0 ug/kg Jj	..	..	..	..
Dieldrin	* 80	..	..	..	1.2 ug/kg J	..
Endrin	* 44000	0.11 ug/kg Jj	2.9 ug/kg Jj	..	..	..
Endrin Aldehyde	m 3.3	4.9 ug/kg J h	..	5.0 ug/kg Jj h	..	..
PCB-1260	* 1000	..	250 ug/kg Jj	..	130 ug/kg J	190000 ug/kg h
Inorganic Non-metals						
Cyanide	3.0	0.172 mg/kg j	0.839 mg/kg j	..	0.116 mg/kg j	..
Physical Properties						
% Solids		>0.5 %	>0.5 %	>0.5 %	>0.5 %	>0.5 %
Total Solids		72.5 %	47.7 %	96.8 %	85.9 %	75.4 %
Hazardous Parameters						
Ignitibility, As in 49CFR172		passes	passes	PASSES	PASSES	PASSES

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Printed: 09/28/94

Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-F8	
Sample ID:	Applicable		
Sampling Date:	Standards	04/26/94	
Sample Number:	(S)	1409736	
Semi-Volatile Organics			
Benzo(a)anthracene	* 1800	360 ug/kg J	
Benzo(a)Pyrene	m 330	340 ug/kg J	h
Benzo(b)fluoranthene	* 1800	500 ug/kg J	
Benzo(k)fluoranthene	* 18000	210 ug/kg J	
Chrysene	* 180000	370 ug/kg J	
Fluoranthene	17000	830 ug/kg J	
Phenanthrene	500	420 ug/kg J	
Pyrene	10000	610 ug/kg J	
Pesticides and Herbicides			
4,4'-DDD	* 5400	570 ug/kg nj	
4,4'-DDE	* 3800	160 ug/kg nj	
4,4'-DDT	* 3800	950 ug/kg j	
Endrin Aldehyde	m 3.3	12 ug/kg Jj	h
Physical Properties			
% Solids		>0.5 %	
Total Solids		87.6 %	
Hazardous Parameters			
Ignitibility, As in 49CFR172		PASSES	

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		BG1-SS	BG2-SS	BG3-SS	BG4-SS	SS-B2
Sample ID:	Applicable	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	
Sampling Date:	Standards	04/26/94	04/26/94	04/26/94	04/27/94	04/26/94
Sample Number:	(S)	1409710	1409712	1409714	1409841	1409716
Volatile Organics						
1,1,1-Trichloroethane	4000	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
1,1,2,2-Tetrachloroethane	m 10	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
1,1,2-Trichloroethane	13	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
1,1-Dichloroethane	17000	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
1,1-Dichloroethene	140	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
1,2-Dichloroethane	m 10	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
1,2-Dichloroethene(total)	1500	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
1,2-Dichloropropane	10	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
2-Butanone (MEK)	6400	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg	< 10 ug/kg
2-Hexanone	20000	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg	< 10 ug/kg
4-Methyl-2-Pentanone (MIBK)	7000	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg	< 10 ug/kg
Acetone	14000	< 10 ug/kg JBu	< 10 ug/kg JBu	< 10 ug/kg JBu	< 16 ug/kg	< 10 ug/kg
Benzene	24	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Bromodichloromethane	11	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Bromoform	92	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Bromomethane(MethylBromide)	200	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg	< 10 ug/kg
Carbon Disulfide	15000	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Carbon Tetrachloride	m 10	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Chlorobenzene	2600	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Chloroethane	180	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg	< 10 ug/kg
Chloroform	110	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Chloromethane (Methyl Chlorid	54	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg	< 10 ug/kg
cis-1,3-Dichloropropene	m 10	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Dibromochloromethane	m 10	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Ethylbenzene	1500	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Methylene Chloride	92	< 5 ug/kg Bu	< 5 ug/kg JBu	< 5 ug/kg JBu	< 8 ug/kg JBu	< 5 ug/kg JBu
Styrene	24	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Tetrachloroethene (PCE)	14	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Toluene	16000	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Trans-1,3-Dichloropropene	m 10	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Trichloroethene (TCE)	44	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Vinyl Chloride	m 10	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg H	< 10 ug/kg
Xylenes, Total	5600	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg	< 5 ug/kg
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	2200	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
1,2-Dichlorobenzene	12000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
1,3-Dichlorobenzene	12000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		BG1-SS	BG2-SS	BG3-SS	BG4-SS	SS-B2
Sample ID:	Applicable	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	
Sampling Date:	Standards	04/26/94	04/26/94	04/26/94	04/27/94	04/26/94
Sample Number:	(S)	1409710	1409712	1409714	1409841	1409716
Semi-Volatile Organics						
1,4-Dichlorobenzene	30	< 340 ug/kg HQ	< 350 ug/kg HQ	< 350 ug/kg HQ	< 500 ug/kg HQ	< 680 ug/kg HQ
2,2'-oxybis(1-Chloropropane)	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
2,4,5-Trichlorophenol	14000	< 1700 ug/kg	< 1800 ug/kg	< 1800 ug/kg	< 2500 ug/kg	< 3400 ug/kg
2,4,6-Trichlorophenol	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
2,4-Dichlorophenol	420	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg H	< 680 ug/kg H
2,4-Dimethylphenol	7000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
2,4-Dinitrophenol	m 1700	< 1700 ug/kg	< 1800 ug/kg H	< 1800 ug/kg H	< 2500 ug/kg H	< 3400 ug/kg H
2,4-Dinitrotoluene	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
2,6-Dinitrotoluene	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
2-Chloronaphthalene	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
2-Chlorophenol	860	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
2 Methylnaphthalene	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
2 Methylphenol (o-Cresol)	7000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
2 Nitroaniline	m 1700	< 1700 ug/kg	< 1800 ug/kg H	< 1800 ug/kg H	< 2500 ug/kg H	< 3400 ug/kg H
2 Nitrophenol	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
3,3' Dichlorobenzidine	m 2000	< 680 ug/kg	< 700 ug/kg	< 700 ug/kg	< 1000 ug/kg	< 1400 ug/kg
3 Nitroaniline	m 1700	< 1700 ug/kg	< 1800 ug/kg H	< 1800 ug/kg H	< 2500 ug/kg H	< 3400 ug/kg H
4,6 Dinitro 2 methylphenol	m 1700	< 1700 ug/kg	< 1800 ug/kg H	< 1800 ug/kg H	< 2500 ug/kg H	< 3400 ug/kg H
4 Bromophenyl-phenylether	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
4 Chloro 3 methylphenol	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
4 Chloroaniline	m 1300	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
4 Chlorophenyl-phenylether	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
4 Methylphenol(p-Cresol)	700	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
4 Nitroaniline	m 1700	< 1700 ug/kg	< 1800 ug/kg H	< 1800 ug/kg H	< 2500 ug/kg H	< 3400 ug/kg H
4 Nitrophenol	m 1700	< 1700 ug/kg	< 1800 ug/kg H	< 1800 ug/kg H	< 2500 ug/kg H	< 3400 ug/kg H
Acenaphthene	24000	< 340 ug/kg	< 350 ug/kg	36 ug/kg J	< 500 ug/kg	< 680 ug/kg
Acenaphthylene	500	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg H
Anthracene	140000	< 340 ug/kg	< 350 ug/kg	110 ug/kg J	< 500 ug/kg	< 680 ug/kg
Benzo(a)anthracene	* 1800	< 340 ug/kg	< 350 ug/kg	540 ug/kg	< 500 ug/kg	< 680 ug/kg
Benzo(a)Pyrene	m 330	< 340 ug/kg H	< 350 ug/kg H	630 ug/kg h	< 500 ug/kg H	< 680 ug/kg H
Benzo(b)fluoranthene	* 1800	53 ug/kg J	47 ug/kg J	850 ug/kg	< 500 ug/kg	72 ug/kg J
Benzo(g,h,i)perylene	* 930000	< 340 ug/kg	< 350 ug/kg	370 ug/kg	< 500 ug/kg	< 680 ug/kg
Benzo(k)fluoranthene	* 18000	< 340 ug/kg	< 350 ug/kg	330 ug/kg J	< 500 ug/kg	< 680 ug/kg
bis(2-Chloroethoxy)methane	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
bis(2-Chloroethyl)ether	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
bis(2-Ethylhexyl)phthalate	* 92000	49 ug/kg J	2300 ug/kg	180 ug/kg J	64 ug/kg J	< 680 ug/kg
Butylbenzylphthalate	22000	< 340 ug/kg	< 350 ug/kg	44 ug/kg J	< 500 ug/kg	< 680 ug/kg
Carbazole	m 330	< 340 ug/kg H	< 350 ug/kg H	130 ug/kg J	< 500 ug/kg H	< 680 ug/kg H
Chrysene	* 180000	< 340 ug/kg	< 350 ug/kg	610 ug/kg	< 500 ug/kg	< 680 ug/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		BG1-SS	BG2-SS	BG3-SS	BG4-SS	SS-B2
Sample ID:	Applicable	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	
Sampling Date:	Standards	04/26/94	04/26/94	04/26/94	04/27/94	04/26/94
Sample Number:	(S)	1409710	1409712	1409714	1409841	1409716
Semi-Volatile Organics						
Di-n-butylphthalate	17000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
Di-n-octylphthalate	2600	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
Dibenzo(a,h)anthracene	m 330	< 340 ug/kg H	< 350 ug/kg H	100 ug/kg J	< 500 ug/kg H	< 680 ug/kg H
Dibenzofuran	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
Diethylphthalate	100000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
Dimethylphthalate	1400000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
Fluoranthene	17000	61 ug/kg J	52 ug/kg J	1100 ug/kg	< 500 ug/kg	73 ug/kg J
Fluorene	17000	< 340 ug/kg	< 350 ug/kg	58 ug/kg J	< 500 ug/kg	< 680 ug/kg
Hexachlorobenzene	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
Hexachlorobutadiene	m 10	< 340 ug/kg HQ	< 350 ug/kg HQ	< 350 ug/kg HQ	< 500 ug/kg HQ	< 680 ug/kg HQ
Hexachlorocyclopentadiene	1000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
Hexachloroethane	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
Indeno (1,2,3-cd) pyrene	* 1800	< 340 ug/kg	< 350 ug/kg	340 ug/kg J	< 500 ug/kg	< 680 ug/kg
Isophorone	760	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
N-Nitroso-di-n-propylamine	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
N-Nitrosodiphenylamine (1)	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
Naphthalene	5000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
Nitrobenzene	m 330	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
Pentachlorophenol	m 1700	< 1700 ug/kg	< 1800 ug/kg H	< 1800 ug/kg H	< 2500 ug/kg H	< 3400 ug/kg H
Phenanthrene	500	< 340 ug/kg	40 ug/kg J	690 ug/kg h	< 500 ug/kg	< 680 ug/kg H
Phenol	84000	< 340 ug/kg	< 350 ug/kg	< 350 ug/kg	< 500 ug/kg	< 680 ug/kg
Pyrene	10000	57 ug/kg J	65 ug/kg J	1100 ug/kg	< 500 ug/kg	71 ug/kg J
Pyridine	m 300	< 340 ug/kg H	< 350 ug/kg H	< 350 ug/kg H	< 500 ug/kg H	< 680 ug/kg H
Pesticides and Herbicides						
2,4,5-TP	1000	< 1.1 ug/kg J	2.5 ug/kg J	< 1.7 ug/kg J	2.1 ug/kg J	< 1.5 ug/kg J
2,4-D	1400	< 520 ug/kg	< 1100 ug/kg JBu	< 1100 ug/kg JBu	9.3 ug/kg JB	< 520 ug/kg
4,4'-DDD	* 5400	< 16 ug/kg	< 170 ug/kg	< 34 ug/kg	< 24 ug/kg	< 32 ug/kg
4,4'-DDE	* 3800	0.38 ug/kg J nj	180 ug/kg nj	0.57 ug/kg J nj	0.40 ug/kg J	< 32 ug/kg
4,4'-DDT	* 3800	2.0 ug/kg Jj	300 ug/kg j	19 ug/kg Jj	< 24 ug/kg uj	< 32 ug/kg uj
Aldrin	* 76	0.82 ug/kg J	< 84 ug/kg H	< 17 ug/kg	< 12 ug/kg	< 16 ug/kg
Alpha-BHC	m 1.7	< 8.2 ug/kg H	< 84 ug/kg HQ	< 17 ug/kg H	< 12 ug/kg H	< 16 ug/kg H
Beta-BHC	m 1.7	< 8.2 ug/kg H	< 84 ug/kg HQ	< 17 ug/kg H	< 12 ug/kg H	< 16 ug/kg H
Chlordane	* 1000	< 160 ug/kg	< 1700 ug/kg H	< 340 ug/kg	< 240 ug/kg	< 320 ug/kg
Delta-BHC	m 1.7	< 8.2 ug/kg H	< 84 ug/kg HQ	< 17 ug/kg H	< 12 ug/kg H	< 16 ug/kg H
Dieldrin	* 80	< 16 ug/kg	< 170 ug/kg H	< 17 ug/kg	< 24 ug/kg	< 32 ug/kg
Endosulfan I	* 60000	< 8.2 ug/kg	< 84 ug/kg	< 17 ug/kg	< 12 ug/kg	< 16 ug/kg
Endosulfan II	* 60000	0.22 ug/kg J	< 170 ug/kg	< 34 ug/kg	< 24 ug/kg	< 32 ug/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		BG1-SS	BG2-SS	BG3-SS	BG4-SS	SS B2
Sample ID:	Applicable	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	Backgrnd Soil	
Sampling Date:	Standards	04/26/94	04/26/94	04/26/94	04/27/94	04/26/94
Sample Number:	(S)	1409710	1409712	1409714	1409841	1409716
Pesticides and Herbicides						
Endosulfan Sulfate	m 3.3	< 16 ug/kg H	< 170 ug/kg HQ	< 34 ug/kg HQ	< 24 ug/kg H	< 32 ug/kg H
Endrin	* 44000	0.63 ug/kg J	< 170 ug/kg	2.7 ug/kg JJ	< 24 ug/kg uj	1.0 ug/kg JJ
Endrin Aldehyde	m 3.3	5.4 ug/kg J h	5.3 ug/kg J h	< 34 ug/kg HQ	3.3 ug/kg J	< 32 ug/kg uj H
Gamma-BHC (Lindane)	m 1.7	0.14 ug/kg J	< 84 ug/kg HQ	< 17 ug/kg H	< 12 ug/kg H	< 16 ug/kg H
Heptachlor	* 280	< 8.2 ug/kg	< 84 ug/kg	< 17 ug/kg	< 12 ug/kg uj	< 16 ug/kg uj
Heptachlor Epoxide	* 140	< 8.2 ug/kg	< 84 ug/kg	< 17 ug/kg	< 12 ug/kg	0.31 ug/kg J
Methoxychlor	700	< 82 ug/kg	< 840 ug/kg H	< 170 ug/kg	< 120 ug/kg uj	< 160 ug/kg uj
PCB-1016	* 1000	< 82 ug/kg	< 840 ug/kg	< 170 ug/kg	< 120 ug/kg	< 160 ug/kg
PCB-1221	* 1000	< 82 ug/kg	< 840 ug/kg	< 170 ug/kg	< 120 ug/kg	< 160 ug/kg
PCB-1232	* 1000	< 82 ug/kg	< 840 ug/kg	< 170 ug/kg	< 120 ug/kg	< 160 ug/kg
PCB-1242	* 1000	< 82 ug/kg	< 840 ug/kg	< 170 ug/kg	< 120 ug/kg	< 160 ug/kg
PCB-1248	* 1000	< 82 ug/kg	< 840 ug/kg	< 170 ug/kg	< 120 ug/kg	< 160 ug/kg
PCB-1254	* 1000	< 160 ug/kg	< 1700 ug/kg H	< 340 ug/kg	< 240 ug/kg	< 320 ug/kg
PCB-1260	* 1000	< 160 ug/kg	< 1700 ug/kg H	350 ug/kg J	< 240 ug/kg	140 ug/kg JJ
Toxaphene	m 170	< 160 ug/kg	< 1700 ug/kg H	< 340 ug/kg H	< 240 ug/kg H	< 320 ug/kg H
Inorganic Non-metals						
Cyanide	3.0	0.103 mg/kg J	0.0525 mg/kg J	< 0.211 mg/kg uj	0.227 mg/kg J	0.0772 mg/kg J
Sulfides as S	m 1.0	< 51.6 mg/kg uj HQ	< 52.5 mg/kg uj HQ	< 52.6 mg/kg uj HQ	< 75.6 mg/kg uj HQ	< 51.4 mg/kg uj HQ
Physical Properties						
% Solids		>0.5 %	>0.5 %	>0.5 %	>0.5 %	>5.0 %
Total Solids		96.9 %	95.3 %	95.0 %	66.1 %	97.2 %
Hazardous Parameters						
Ignitibility, As in 49CFR172		PASSES	PASSES	PASSES	passes	PASSES
Total Releasable Cyanide HCN	NA	< 0.100 mg/kg	< 0.100 mg/kg	< 0.100 mg/kg r	< 0.100 mg/kg r	< 0.100 mg/kg
Total Releasable Sulfide H2S	NA	< 50 mg/kg	< 50 mg/kg	< 50 mg/kg r	< 50 mg/kg r	< 50 mg/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-B4	SS-B4	SS-C3	SS-C5	SS-C7
Sample ID:	Applicable		Dup 1409831			
Sampling Date:	Standards	04/27/94	04/27/94	04/26/94	04/26/94	04/27/94
Sample Number:	(S)	1409831	1409833	1409718	1409720	1409829
Volatile Organics						
1,1,1-Trichloroethane	4000	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
1,1,2,2-Tetrachloroethane	m 10	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
1,1,2-Trichloroethane	13	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
1,1-Dichloroethane	17000	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
1,1-Dichloroethene	140	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
1,2-Dichloroethane	m 10	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
1,2-Dichloroethene(total)	1500	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
1,2-Dichloropropane	10	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
2-Butanone (MEK)	6400	< 12 ug/kg	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg
2-Hexanone	20000	< 12 ug/kg	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg
4-Methyl-2-Pentanone (MIBK)	7000	< 12 ug/kg	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg
Acetone	14000	< 12 ug/kg	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg
Benzene	24	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Bromodichloromethane	11	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Bromoform	92	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Bromomethane(MethylBromide)	200	< 12 ug/kg	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg
Carbon Disulfide	15000	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Carbon Tetrachloride	m 10	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Chlorobenzene	2600	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Chloroethane	180	< 12 ug/kg	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg
Chloroform	110	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Chloromethane (Methyl Chlorid	54	< 12 ug/kg	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg
cis-1,3-Dichloropropene	m 10	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Dibromochloromethane	m 10	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Ethylbenzene	1500	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Methylene Chloride	92	< 6 ug/kg	< 5 ug/kg JBu	< 5 ug/kg	< 5 ug/kg JB u	< 8 ug/kg
Styrene	24	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Tetrachloroethene (PCE)	14	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Toluene	16000	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Trans-1,3-Dichloropropene	m 10	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Trichloroethene (TCE)	44	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Vinyl Chloride	m 10	< 12 ug/kg H	< 10 ug/kg	< 10 ug/kg	< 10 ug/kg	< 16 ug/kg H
Xylenes, Total	5600	< 6 ug/kg	< 5 ug/kg	< 5 ug/kg	< 5 ug/kg	< 8 ug/kg
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	2200	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg H	< 500 ug/kg
1,2-Dichlorobenzene	12000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
1,3-Dichlorobenzene	12000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg

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Printed: 09/28/94

Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-B4	SS-B4	SS-C3	SS-C5	SS-C7
Sample ID:	Applicable		Dup 1409831			
Sampling Date:	Standards	04/27/94	04/27/94	04/26/94	04/26/94	04/27/94
Sample Number:	(S)	1409831	1409833	1409718	1409720	1409829
Semi-Volatile Organics						
1,4-Dichlorobenzene	30	< 730 ug/kg HQ	< 720 ug/kg HQ	< 670 ug/kg HQ	< 3500 ug/kg HQ	< 500 ug/kg HQ
2,2'-oxybis(1-Chloropropane)	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
2,4,5-Trichlorophenol	14000	< 3600 ug/kg	< 3600 ug/kg	< 3400 ug/kg	< 18000 ug/kg HQ	< 2500 ug/kg
2,4,6-Trichlorophenol	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
2,4 Dichlorophenol	420	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg H	< 500 ug/kg H
2,4-Dimethylphenol	7000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
2,4-Dinitrophenol	m 1700	< 3600 ug/kg H	< 3600 ug/kg H	< 3400 ug/kg H	< 18000 ug/kg HQ	< 2500 ug/kg H
2,4-Dinitrotoluene	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
2,6-Dinitrotoluene	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
2-Chloronaphthalene	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
2-Chlorophenol	860	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg H	< 500 ug/kg
2-Methylnaphthalene	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
2 Methylphenol (o-Cresol)	7000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
2 Nitroaniline	m 1700	< 3600 ug/kg H	< 3600 ug/kg H	< 3400 ug/kg H	< 18000 ug/kg HQ	< 2500 ug/kg H
2 Nitrophenol	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
3,3' Dichlorobenzidine	m 2000	< 1500 ug/kg	< 1400 ug/kg	< 1300 ug/kg	< 7000 ug/kg H	< 1000 ug/kg
3 Nitroaniline	m 1700	< 3600 ug/kg H	< 3600 ug/kg H	< 3400 ug/kg H	< 18000 ug/kg HQ	< 2500 ug/kg H
4,6 Dinitro 2 methylphenol	m 1700	< 3600 ug/kg H	< 3600 ug/kg H	< 3400 ug/kg H	< 18000 ug/kg HQ	< 2500 ug/kg H
4 Bromophenyl-phenylether	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
4 Chloro-3 methylphenol	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
4 Chloroaniline	m 1300	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg H	< 500 ug/kg
4 Chlorophenyl-phenylether	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
4 Methylphenol(p-Cresol)	700	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg	< 3500 ug/kg H	< 500 ug/kg
4 Nitroaniline	m 1700	< 3600 ug/kg H	< 3600 ug/kg H	< 3400 ug/kg H	< 18000 ug/kg HQ	< 2500 ug/kg H
4-Nitrophenol	m 1700	< 3600 ug/kg H	< 3600 ug/kg H	< 3400 ug/kg H	< 18000 ug/kg HQ	< 2500 ug/kg H
Acenaphthene	24000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
Acenaphthylene	500	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg H	< 500 ug/kg
Anthracene	140000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	400 ug/kg J	< 500 ug/kg
Benzo(a)anthracene	* 1800	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg H	< 500 ug/kg
Benzo(a)Pyrene	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
Benzo(b)fluoranthene	* 1800	90 ug/kg J	88 ug/kg J	< 670 ug/kg	560 ug/kg J	< 500 ug/kg
Benzo(g,h,i)perylene	* 930000	83 ug/kg J	93 ug/kg J	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
Benzo(k)fluoranthene	* 18000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
bis(2-Chloroethoxy)methane	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
bis(2-Chloroethyl)ether	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
bis(2-Ethylhexyl)phthalate	* 92000	120 ug/kg J	140 ug/kg J	160 ug/kg J	< 3500 ug/kg	110 ug/kg J
Butylbenzylphthalate	22000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
Carbazole	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
Chrysene	* 180000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	360 ug/kg J	< 500 ug/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-B4	SS-B4	SS-C3	SS-C5	SS-C7
Sample ID:	Applicable		Dup 1409831			
Sampling Date:	Standards	04/27/94	04/27/94	04/26/94	04/26/94	04/27/94
Sample Number:	(S)	1409831	1409833	1409718	1409720	1409829
Semi-Volatile Organics						
Di-n-butylphthalate	17000	< 730 ug/kg	170 ug/kg J	< 670 ug/kg	< 3500 ug/kg	62 ug/kg J
Di-n-octylphthalate	2600	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg H	< 500 ug/kg
Dibenzo(a,h)anthracene	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
Dibenzofuran	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
Diethylphthalate	100000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
Dimethylphthalate	1400000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
Fluoranthene	17000	92 ug/kg J	78 ug/kg J	< 670 ug/kg	550 ug/kg J	< 500 ug/kg
Fluorene	17000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
Hexachlorobenzene	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
Hexachlorobutadiene	m 10	< 730 ug/kg HQ	< 720 ug/kg HQ	< 670 ug/kg HQ	< 3500 ug/kg HQ	< 500 ug/kg HQ
Hexachlorocyclopentadiene	1000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg H	< 500 ug/kg
Hexachloroethane	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
Indeno (1,2,3-cd) pyrene	* 1800	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg H	< 500 ug/kg
Isophorone	760	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg H	< 500 ug/kg
N-Nitroso-di-n-propylamine	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
N-Nitrosodiphenylamine (1)	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
Naphthalene	5000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
Nitrobenzene	m 330	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
Pentachlorophenol	m 1700	< 3600 ug/kg H	< 3600 ug/kg H	< 3400 ug/kg H	< 18000 ug/kg HQ	< 2500 ug/kg H
Phenanthrene	500	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	420 ug/kg J	< 500 ug/kg
Phenol	84000	< 730 ug/kg	< 720 ug/kg	< 670 ug/kg	< 3500 ug/kg	< 500 ug/kg
Pyrene	10000	120 ug/kg J	100 ug/kg J	< 670 ug/kg	530 ug/kg J	< 500 ug/kg
Pyridine	m 300	< 730 ug/kg H	< 720 ug/kg H	< 670 ug/kg H	< 3500 ug/kg HQ	< 500 ug/kg H
Pesticides and Herbicides						
2,4,5-TP	1000	< 2200 ug/kg H	< 2200 ug/kg H	0.86 ug/kg J	< 1.7 ug/kg J	< 760 ug/kg
2,4-D	1400	< 2200 ug/kg H	< 2200 ug/kg H	< 1000 ug/kg JB u	< 1100 ug/kg	< 760 ug/kg
4,4'-DDD	* 5400	< 80 ug/kg	< 80 ug/kg	< 32 ug/kg	13 ug/kg J nj	0.68 ug/kg Jj
4,4'-DDE	* 3800	< 80 ug/kg	3.3 ug/kg J	< 32 ug/kg	3.3 ug/kg J nj	5.2 ug/kg Jj
4,4'-DDT	* 3800	< 80 ug/kg uj	< 80 ug/kg uj	< 32 ug/kg uj	120 ug/kg Jj	0.98 ug/kg Jj
Aldrin	* 76	< 40 ug/kg	< 40 ug/kg	< 16 ug/kg	< 170 ug/kg H	< 12 ug/kg
Alpha-BHC	m 1.7	< 40 ug/kg HQ	< 40 ug/kg HQ	< 16 ug/kg H	< 170 ug/kg HQ	< 12 ug/kg H
Beta-BHC	m 1.7	< 40 ug/kg HQ	< 40 ug/kg HQ	< 16 ug/kg H	< 170 ug/kg HQ	< 12 ug/kg H
Chlordane	* 1000	< 800 ug/kg	< 800 ug/kg	< 320 ug/kg	< 3400 ug/kg H	< 240 ug/kg
Delta-BHC	m 1.7	< 40 ug/kg HQ	< 40 ug/kg HQ	< 16 ug/kg H	< 170 ug/kg HQ	< 12 ug/kg H
Dieldrin	* 80	< 80 ug/kg	< 80 ug/kg	< 32 ug/kg	< 340 ug/kg H	< 24 ug/kg
Endosulfan I	* 60000	< 40 ug/kg	< 40 ug/kg	< 16 ug/kg	< 170 ug/kg	< 12 ug/kg
Endosulfan II	* 60000	< 80 ug/kg	< 80 ug/kg	< 32 ug/kg	< 340 ug/kg	< 24 ug/kg

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-C6	SS-D3	SS-D5	SS-D5	SS D7
Sample ID:	Applicable				Dup 1409724	
Sampling Date:	Standards	04/27/94	04/26/94	04/26/94	04/26/94	04/26/94
Sample Number:	(S)	1409837	1409722	1409724	1409726	1409728
Volatile Organics						
1,1,1-Trichloroethane	4000	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
1,1,2,2-Tetrachloroethane	m 10	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg uj
1,1,2-Trichloroethane	13	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
1,1-Dichloroethane	17000	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
1,1-Dichloroethene	140	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
1,2-Dichloroethane	m 10	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
1,2-Dichloroethene(total)	1500	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
1,2-Dichloropropane	10	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
2-Butanone (MEK)	6400	< 12 ug/kg	< 10 ug/kg	< 12 ug/kg	< 12 ug/kg	< 12 ug/kg
2-Hexanone	20000	< 12 ug/kg	< 10 ug/kg	< 12 ug/kg	< 12 ug/kg	< 12 ug/kg uj
4-Methyl-2-Pentanone (MIBK)	7000	< 12 ug/kg	< 10 ug/kg	< 12 ug/kg	< 12 ug/kg	< 12 ug/kg uj
Acetone	14000	38 ug/kg	< 10 ug/kg	< 12 ug/kg	< 12 ug/kg	< 12 ug/kg
Benzene	24	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Bromodichloromethane	11	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Bromoform	92	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Bromomethane(MethylBromide)	200	< 12 ug/kg	< 10 ug/kg	< 12 ug/kg	< 12 ug/kg	< 12 ug/kg
Carbon Disulfide	15000	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Carbon Tetrachloride	m 10	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Chlorobenzene	2600	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg uj
Chloroethane	180	< 12 ug/kg	< 10 ug/kg	< 12 ug/kg	< 12 ug/kg	< 12 ug/kg
Chloroform	110	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Chloromethane (Methyl Chlorid	54	< 12 ug/kg	< 10 ug/kg	< 12 ug/kg	< 12 ug/kg	< 12 ug/kg
cis-1,3-Dichloropropene	m 10	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Dibromochloromethane	m 10	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Ethylbenzene	1500	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg uj
Methylene Chloride	92	< 7 ug/kg Bu	< 5 ug/kg JB u	< 6 ug/kg JB u	< 7 ug/kg B u	< 6 ug/kg JB u
Styrene	24	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg uj
Tetrachloroethene (PCE)	14	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg uj
Toluene	16000	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg uj
Trans-1,3-Dichloropropene	m 10	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Trichloroethene (TCE)	44	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg
Vinyl Chloride	m 10	< 12 ug/kg H	< 10 ug/kg	< 12 ug/kg H	< 12 ug/kg H	< 12 ug/kg H
Xylenes, Total	5600	< 6 ug/kg	< 5 ug/kg	< 6 ug/kg	< 6 ug/kg	< 6 ug/kg uj
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	2200	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg H
1,2-Dichlorobenzene	12000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg
1,3-Dichlorobenzene	12000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-C6	SS-D3	SS-D5	SS-D5	SS-D7
Sample ID:	Applicable				Dup 1409724	
Sampling Date:	Standards	04/27/94	04/26/94	04/26/94	04/26/94	04/26/94
Sample Number:	(S)	1409837	1409722	1409724	1409726	1409728
Semi-Volatile Organics						
1,4-Dichlorobenzene	30	< 410 ug/kg HQ	< 710 ug/kg HQ	< 2000 ug/kg HQ	< 2100 ug/kg HQ	< 11000 ug/kg HQ
2,2'-oxybis(1-Chloropropane)	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
2,4,5-Trichlorophenol	14000	< 2000 ug/kg	< 3600 ug/kg	< 10000 ug/kg	< 11000 ug/kg	< 55000 ug/kg HQ
2,4,6-Trichlorophenol	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
2,4-Dichlorophenol	420	< 410 ug/kg	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
2,4-Dimethylphenol	7000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg H
2,4-Dinitrophenol	m 1700	< 2000 ug/kg H	< 3600 ug/kg H	< 10000 ug/kg H	< 11000 ug/kg H	< 55000 ug/kg HQ
2,4-Dinitrotoluene	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
2,6-Dinitrotoluene	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
2-Chloronaphthalene	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
2-Chlorophenol	860	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
2-Methylnaphthalene	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
2-Methylphenol (o-Cresol)	7000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg H
2-Nitroaniline	m 1700	< 2000 ug/kg H	< 3600 ug/kg H	< 10000 ug/kg H	< 11000 ug/kg H	< 55000 ug/kg HQ
2-Nitrophenol	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
3,3'-Dichlorobenzidine	m 2000	< 820 ug/kg	< 1400 ug/kg	< 4000 ug/kg H	< 4200 ug/kg H	< 22000 ug/kg HQ
3-Nitroaniline	m 1700	< 2000 ug/kg H	< 3600 ug/kg H	< 10000 ug/kg H	< 11000 ug/kg H	< 55000 ug/kg HQ
4,6-Dinitro-2-methylphenol	m 1700	< 2000 ug/kg H	< 3600 ug/kg H	< 10000 ug/kg H	< 11000 ug/kg H	< 55000 ug/kg HQ
4-Bromophenyl-phenylether	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
4-Chloro-3-methylphenol	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
4-Chloroaniline	m 1300	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg H
4-Chlorophenyl-phenylether	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
4-Methylphenol(p-Cresol)	700	< 410 ug/kg	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
4-Nitroaniline	m 1700	< 2000 ug/kg H	< 3600 ug/kg H	< 10000 ug/kg H	< 11000 ug/kg H	< 55000 ug/kg HQ
4-Nitrophenol	m 1700	< 2000 ug/kg H	< 3600 ug/kg H	< 10000 ug/kg H	< 11000 ug/kg H	< 55000 ug/kg HQ
Acenaphthene	24000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg
Acenaphthylene	500	< 410 ug/kg	350 ug/kg J	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Anthracene	140000	< 410 ug/kg	220 ug/kg J	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg
Benzo(a)anthracene	* 1800	51 ug/kg J	610 ug/kg J	380 ug/kg J	430 ug/kg J	< 11000 ug/kg H
Benzo(a)Pyrene	m 330	63 ug/kg J	750 ug/kg h	360 ug/kg J h	440 ug/kg J h	< 11000 ug/kg HQ
Benzo(b)fluoranthene	* 1800	100 ug/kg J	1300 ug/kg	590 ug/kg J	760 ug/kg J	< 11000 ug/kg H
Benzo(g,h,i)perylene	* 930000	46 ug/kg J	550 ug/kg J	270 ug/kg J	380 ug/kg J	< 11000 ug/kg
Benzo(k)fluoranthene	* 18000	< 410 ug/kg	530 ug/kg J	280 ug/kg J	320 ug/kg J	< 11000 ug/kg
bis(2-Chloroethoxy)methane	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
bis(2-Chloroethyl)ether	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
bis(2-EthylHexyl)phthalate	* 92000	67 ug/kg J	< 710 ug/kg	360 ug/kg J	400 ug/kg J	20000 ug/kg
Butylbenzylphthalate	22000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg
Carbazole	m 330	< 410 ug/kg H	120 ug/kg J	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Chrysene	* 180000	75 ug/kg J	690 ug/kg J	370 ug/kg J	380 ug/kg J	< 11000 ug/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-C6	SS-D3	SS-D5	SS-D5	SS-D7
Sample ID:	Applicable				Dup 1409724	
Sampling Date:	Standards	04/27/94	04/26/94	04/26/94	04/26/94	04/26/94
Sample Number:	(S)	1409837	1409722	1409724	1409726	1409728
Semi-Volatile Organics						
Di-n-butylphthalate	17000	51 ug/kg J	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg
Di n-octylphthalate	2600	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg H
Dibenzo(a,h)anthracene	m 330	< 410 ug/kg H	150 ug/kg J	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Dibenzofuran	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Diethylphthalate	100000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg
Dimethylphthalate	1400000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg
Fluoranthene	17000	140 ug/kg J	870 ug/kg	520 ug/kg J	600 ug/kg J	< 11000 ug/kg
Fluorene	17000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg
Hexachlorobenzene	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Hexachlorobutadiene	m 10	< 410 ug/kg HQ	< 710 ug/kg HQ	< 2000 ug/kg HQ	< 2100 ug/kg HQ	< 11000 ug/kg HQ
Hexachlorocyclopentadiene	1000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Hexachloroethane	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Indeno (1,2,3-cd) pyrene	* 1800	42 ug/kg J	480 ug/kg J	< 2000 ug/kg H	220 ug/kg J	< 11000 ug/kg H
Isophorone	760	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
N Nitroso-di-n-propylamine	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
N Nitrosodiphenylamine (1)	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Naphthalene	5000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg H
Nitrobenzene	m 330	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Pentachlorophenol	m 1700	< 2000 ug/kg H	< 3600 ug/kg H	< 10000 ug/kg H	< 11000 ug/kg H	< 55000 ug/kg HQ
Phenanthrene	500	86 ug/kg J	170 ug/kg J	< 2000 ug/kg H	< 2100 ug/kg H	< 11000 ug/kg HQ
Phenol	84000	< 410 ug/kg	< 710 ug/kg	< 2000 ug/kg	< 2100 ug/kg	< 11000 ug/kg
Pyrene	10000	110 ug/kg J	850 ug/kg	530 ug/kg J	630 ug/kg J	< 11000 ug/kg H
Pyridine	m 300	< 410 ug/kg H	< 710 ug/kg H	< 2000 ug/kg H	< 2100 ug/kg H	< 22000 ug/kg HQ
Pesticides and Herbicides						
2,4,5-TP	1000	< 1200 ug/kg H	< 1.7 ug/kg J	< 620 ug/kg	< 1.5 ug/kg J	18 ug/kg J r
2,4-D	1400	< 1200 ug/kg	< 1100 ug/kg	< 620 ug/kg	< 1300 ug/kg	< 2600 ug/kg r H
4,4'-DDD	* 5400	< 400 ug/kg	< 86 ug/kg	< 98 ug/kg	< 100 ug/kg	< 200 ug/kg
4,4'-DDE	* 3800	< 400 ug/kg	2.5 ug/kg J nj	< 98 ug/kg	< 100 ug/kg	2.5 ug/kg J nj
4,4'-DDT	* 3800	< 400 ug/kg uj	22 ug/kg Jj	2.8 ug/kg Jj	< 100 ug/kg uj	< 200 ug/kg r
Aldrin	* 76	< 200 ug/kg H	< 43 ug/kg	< 49 ug/kg	< 51 ug/kg	1.7 ug/kg Jj
Alpha-BHC	m 1.7	< 200 ug/kg HQ	< 43 ug/kg HQ	< 49 ug/kg HQ	< 51 ug/kg HQ	< 100 ug/kg HQ
Beta-BHC	m 1.7	< 200 ug/kg HQ	< 43 ug/kg HQ	< 49 ug/kg HQ	< 51 ug/kg HQ	< 100 ug/kg HQ
Chlordane	* 1000	< 4000 ug/kg H	< 860 ug/kg	< 980 ug/kg	< 1000 ug/kg	< 2000 ug/kg H
Delta-BHC	m 1.7	< 200 ug/kg HQ	< 43 ug/kg HQ	< 49 ug/kg HQ	< 51 ug/kg HQ	< 100 ug/kg HQ
Dieldrin	* 80	< 400 ug/kg H	2.7 ug/kg Jj	< 98 ug/kg H	1.1 ug/kg J	1.7 ug/kg Jj
Endosulfan I	* 60000	< 200 ug/kg	< 43 ug/kg	< 49 ug/kg	< 51 ug/kg	< 100 ug/kg
Endosulfan II	* 60000	< 400 ug/kg	< 86 ug/kg	< 98 ug/kg	< 100 ug/kg	< 200 ug/kg

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"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (S)	SS-C6	SS-D3	SS-D5	SS-D5 Dup 1409724	SS-D7
Sample ID:						
Sampling Date:		04/27/94	04/26/94	04/26/94	04/26/94	04/26/94
Sample Number:		1409837	1409722	1409724	1409726	1409728
Pesticides and Herbicides						
Endosulfan Sulfate	m 3.3	< 400 ug/kg HQ	< 86 ug/kg HQ	< 98 ug/kg HQ	< 100 ug/kg HQ	< 200 ug/kg HQ
Endrin	* 44000	< 400 ug/kg uj	4.7 ug/kg Jj	1.6 ug/kg Jj	2.2 ug/kg Jj	1.8 ug/kg Jj
Endrin Aldehyde	m 3.3	< 400 ug/kg HQ	< 86 ug/kg uj HQ	< 98 ug/kg uj HQ	< 100 ug/kg uj HQ	< 200 ug/kg uj HQ
Gamma-BHC (Lindane)	m 1.7	< 200 ug/kg HQ	< 43 ug/kg HQ	< 49 ug/kg HQ	< 51 ug/kg HQ	< 100 ug/kg HQ
Heptachlor	* 280	< 200 ug/kg uj	< 43 ug/kg uj	< 49 ug/kg uj	< 51 ug/kg uj	< 100 ug/kg uj
Heptachlor Epoxide	* 140	< 200 ug/kg H	< 43 ug/kg	< 49 ug/kg	< 51 ug/kg	< 100 ug/kg
Methoxychlor	700	< 200 ug/kg uj	< 430 ug/kg uj	< 490 ug/kg uj	1.3 ug/kg Jj	< 1000 ug/kg uj H
PCB-1016	* 1000	< 2000 ug/kg H	< 430 ug/kg	< 490 ug/kg	< 510 ug/kg	< 1000 ug/kg
PCB-1221	* 1000	< 2000 ug/kg H	< 430 ug/kg	< 490 ug/kg	< 510 ug/kg	< 1000 ug/kg
PCB-1232	* 1000	< 2000 ug/kg H	< 430 ug/kg	< 490 ug/kg	< 510 ug/kg	< 1000 ug/kg
PCB-1242	* 1000	< 2000 ug/kg H	< 430 ug/kg	< 490 ug/kg	< 510 ug/kg	< 1000 ug/kg
PCB-1248	* 1000	< 2000 ug/kg H	< 430 ug/kg	< 490 ug/kg	< 510 ug/kg	< 1000 ug/kg
PCB-1254	* 1000	< 4000 ug/kg H	< 860 ug/kg	< 980 ug/kg	< 510 ug/kg	< 2000 ug/kg H
PCB-1260	* 1000	830 ug/kg J	620 ug/kg J	< 980 ug/kg	< 100 ug/kg Jj	< 2000 ug/kg H
Toxaphene	m 170	< 4000 ug/kg HQ	< 860 ug/kg H	< 980 ug/kg H	< 1000 ug/kg H	< 2000 ug/kg HQ
Inorganic Non-metals						
Cyanide	3.0	0.217 mg/kg j	0.0536 mg/kg j	0.247 mg/kg j	0.286 mg/kg j	0.0646 mg/kg j
Sulfides as S	m 1.0	< 62.0 mg/kg uj HQ	< 53.6 mg/kg uj HQ	< 61.7 mg/kg uj HQ	< 63.5 mg/kg uj HQ	< 64.6 mg/kg uj HQ
Physical Properties						
% Solids		>0.5 %	>0.5 %	>5.0 %	>0.5 %	>5.0 %
Total Solids		80.7 %	93.2 %	81.1 %	78.7 %	77.4 %
Hazardous Parameters						
Ignitibility, As in 49CFR172		passes	passes	PASSES	PASSES	PASSES
Total Releasable Cyanide HCN	NA	< 0.100 mg/kg	< 0.100 mg/kg	< 0.100 mg/kg	< 0.100 mg/kg	< 0.100 mg/kg
Total Releasable Sulfide H2S	NA	< 50 mg/kg	< 50 mg/kg	< 50 mg/kg	< 50 mg/kg	< 50 mg/kg

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Printed: 09/28/94

Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (S)	SS-D4	SS-D8	SS-E3	SS-E6	SS-E7
Sample ID:						
Sampling Date:		04/27/94	04/27/94	04/26/94	04/26/94	04/26/94
Sample Number:		1409835	1409839	1409730	1409732	1409734
Volatile Organics						
1,1,1-Trichloroethane	4000	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
1,1,2,2-Tetrachloroethane	m 10	< 7 ug/kg	< 10 ug/kg uj	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg uj
1,1,2-Trichloroethane	13	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
1,1-Dichloroethane	17000	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
1,1-Dichloroethene	140	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
1,2-Dichloroethane	m 10	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
1,2-Dichloroethene(total)	1500	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
1,2-Dichloropropane	10	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
2-Butanone (MEK)	6400	< 14 ug/kg	< 20 ug/kg	< 10 ug/kg	< 12 ug/kg	< 14 ug/kg
2-Hexanone	20000	< 14 ug/kg	< 20 ug/kg uj	< 10 ug/kg	< 12 ug/kg	< 14 ug/kg uj
4 Methyl-2-Pentanone (MIBK)	7000	< 14 ug/kg	< 20 ug/kg uj	< 10 ug/kg	< 12 ug/kg	< 14 ug/kg uj
Acetone	14000	< 14 ug/kg ju	< 20 ug/kg Ju	< 10 ug/kg	< 12 ug/kg	< 14 ug/kg
Benzene	24	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Bromodichloromethane	11	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Bromoform	92	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Bromomethane(MethylBromide)	200	< 14 ug/kg	< 20 ug/kg	< 10 ug/kg	< 12 ug/kg	< 14 ug/kg
Carbon Disulfide	15000	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Carbon Tetrachloride	m 10	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Chlorobenzene	2600	< 7 ug/kg	< 10 ug/kg uj	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg uj
Chloroethane	180	< 14 ug/kg	< 20 ug/kg	< 10 ug/kg	< 12 ug/kg	< 14 ug/kg
Chloroform	110	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Chloromethane (Methyl Chlorid	54	< 14 ug/kg	< 20 ug/kg	< 10 ug/kg	< 12 ug/kg	< 14 ug/kg
cis-1,3-Dichloropropene	m 10	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Dibromochloromethane	m 10	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Ethylbenzene	1500	< 7 ug/kg	< 10 ug/kg uj	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg uj
Methylene Chloride	92	< 7 ug/kg JBu	< 13 ug/kg Bu	< 5 ug/kg	< 6 ug/kg JB u	< 7 ug/kg
Styrene	24	< 7 ug/kg	< 10 ug/kg uj	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg uj
Tetrachloroethene (PCE)	14	< 7 ug/kg	< 10 ug/kg uj	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg uj
Toluene	16000	< 7 ug/kg	< 10 ug/kg uj	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg uj
Trans-1,3-Dichloropropene	m 10	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Trichloroethene (TCE)	44	< 7 ug/kg	< 10 ug/kg	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg
Vinyl Chloride	m 10	< 14 ug/kg H	< 20 ug/kg H	< 10 ug/kg	< 12 ug/kg H	< 14 ug/kg H
Xylenes, Total	5600	< 7 ug/kg	< 10 ug/kg uj	< 5 ug/kg	< 6 ug/kg	< 7 ug/kg uj
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	2200	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg H
1,2-Dichlorobenzene	12000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
1,3-Dichlorobenzene	12000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (S)	SS-D4	SS-D8	SS-E3	SS-E6	SS-E7
Sample ID:						
Sampling Date:		04/27/94	04/27/94	04/26/94	04/26/94	04/26/94
Sample Number:		1409835	1409839	1409730	1409732	1409734
Semi-Volatile Organics						
1,4-Dichlorobenzene	30	< 460 ug/kg HQ	< 1400 ug/kg HQ	< 680 ug/kg HQ	< 770 ug/kg HQ	< 8800 ug/kg HQ
2,2'-oxybis(1-Chloropropane)	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
2,4,5-Trichlorophenol	14000	< 2300 ug/kg	< 7000 ug/kg	< 3400 ug/kg	< 3800 ug/kg	< 44000 ug/kg HQ
2,4,6-Trichlorophenol	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
2,4-Dichlorophenol	420	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
2,4-Dimethylphenol	7000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg H
2,4-Dinitrophenol	m 1700	< 2300 ug/kg H	< 7000 ug/kg H	< 3400 ug/kg H	< 3800 ug/kg H	< 44000 ug/kg HQ
2,4-Dinitrotoluene	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
2,6-Dinitrotoluene	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
2-Chloronaphthalene	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
2-Chlorophenol	860	< 460 ug/kg	< 1400 ug/kg H	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg HQ
2-Methylnaphthalene	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
2-Methylphenol (o-Cresol)	7000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg H
2-Nitroaniline	m 1700	< 2300 ug/kg H	< 7000 ug/kg H	< 3400 ug/kg H	< 3800 ug/kg H	< 44000 ug/kg HQ
2-Nitrophenol	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
3,3'-Dichlorobenzidine	m 2000	< 920 ug/kg	< 2800 ug/kg H	< 1400 ug/kg	< 1500 ug/kg	< 18000 ug/kg H
3-Nitroaniline	m 1700	< 2300 ug/kg H	< 7000 ug/kg H	< 3400 ug/kg H	< 3800 ug/kg H	< 44000 ug/kg HQ
4,6-Dinitro-2-methylphenol	m 1700	< 2300 ug/kg H	< 7000 ug/kg H	< 3400 ug/kg H	< 3800 ug/kg H	< 44000 ug/kg HQ
4-Bromophenyl-phenylether	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
4-Chloro-3-methylphenol	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
4-Chloroaniline	m 1300	< 460 ug/kg	< 1400 ug/kg H	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg H
4-Chlorophenyl-phenylether	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
4-Methylphenol(p-Cresol)	700	< 460 ug/kg	< 1400 ug/kg H	< 680 ug/kg	< 770 ug/kg H	< 8800 ug/kg HQ
4-Nitroaniline	m 1700	< 2300 ug/kg H	< 7000 ug/kg H	< 3400 ug/kg H	< 3800 ug/kg H	< 44000 ug/kg HQ
4-Nitrophenol	m 1700	< 2300 ug/kg H	< 7000 ug/kg H	< 3400 ug/kg H	< 3800 ug/kg H	< 44000 ug/kg HQ
Acenaphthene	24000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
Acenaphthylene	500	< 460 ug/kg	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Anthracene	140000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
Benzo(a)anthracene	* 1800	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg H
Benzo(a)Pyrene	m 330	< 460 ug/kg H	310 ug/kg J	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Benzo(b)fluoranthene	* 1800	< 460 ug/kg	200 ug/kg J	< 680 ug/kg	81 ug/kg J	< 8800 ug/kg H
Benzo(g,h,i)perylene	* 930000	< 460 ug/kg	260 ug/kg J	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
Benzo(k)fluoranthene	* 18000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
bis(2-Chloroethoxy)methane	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
bis(2-Chloroethyl)ether	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
bis(2-EthylHexyl)phthalate	* 92000	52 ug/kg J	460 ug/kg J	120 ug/kg J	110 ug/kg J	37000 ug/kg
Butylbenzylphthalate	22000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	11000 ug/kg
Carbazole	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Chrysene	* 180000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg

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Printed: 09/28/94

Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (S)	SS-D4	SS-D8	SS-E3	SS-E6	SS-E7
Sample ID:						
Sampling Date:		04/27/94	04/27/94	04/26/94	04/26/94	04/26/94
Sample Number:		1409835	1409839	1409730	1409732	1409734
Semi-Volatile Organics						
Di n butylphthalate	17000	54 ug/kg J	< 1400 ug/kg	< 680 ug/kg	1600 ug/kg	< 8800 ug/kg
Di n octylphthalate	2600	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg H
Dibenzo(a,h)anthracene	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Dibenzofuran	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Diethylphthalate	100000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
Dimethylphthalate	1400000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
Fluoranthene	17000	< 460 ug/kg	190 ug/kg J	< 680 ug/kg	100 ug/kg J	< 8800 ug/kg
Fluorene	17000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
Hexachlorobenzene	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Hexachlorobutadiene	m 10	< 460 ug/kg HQ	< 1400 ug/kg HQ	< 680 ug/kg HQ	< 770 ug/kg HQ	< 8800 ug/kg HQ
Hexachlorocyclopentadiene	1000	< 460 ug/kg	< 1400 ug/kg H	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg H
Hexachloroethane	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Indeno (1,2,3-cd) pyrene	* 1800	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg H
Isophorone	760	< 460 ug/kg	< 1400 ug/kg H	< 680 ug/kg	< 770 ug/kg H	< 8800 ug/kg HQ
N Nitroso di n propylamine	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
N Nitrosodiphenylamine (1)	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Naphthalene	5000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg H
Nitrobenzene	m 330	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Pentachlorophenol	m 1700	< 2300 ug/kg H	< 7000 ug/kg H	< 3400 ug/kg H	< 3800 ug/kg H	< 44000 ug/kg HQ
Phenanthrene	500	< 460 ug/kg	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Phenol	84000	< 460 ug/kg	< 1400 ug/kg	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
Pyrene	10000	< 460 ug/kg	250 ug/kg J	< 680 ug/kg	< 770 ug/kg	< 8800 ug/kg
Pyridine	m 300	< 460 ug/kg H	< 1400 ug/kg H	< 680 ug/kg H	< 770 ug/kg H	< 8800 ug/kg HQ
Pesticides and Herbicides						
2,4,5-TP	1000	1.5 ug/kg J	< 4200 ug/kg H	< 210 ug/kg	< 1200 ug/kg H	< 2.5 ug/kg J
2,4-D	1400	< 280 ug/kg JBu	< 4200 ug/kg H	< 210 ug/kg JB u	< 1200 ug/kg	< 1300 ug/kg JB u
4,4'-DDD	* 5400	0.83 ug/kg J	< 340 ug/kg	< 32 ug/kg	5.6 ug/kg J nj	< 2200 ug/kg
4,4'-DDE	* 3800	7.7 ug/kg J	< 340 ug/kg	< 32 ug/kg	12 ug/kg J nj	310 ug/kg J j
4,4'-DDT	* 3800	2.0 ug/kg Jj	< 340 ug/kg uj	< 32 ug/kg uj	< 38 ug/kg r	< 2200 ug/kg
Aldrin	* 76	< 11 ug/kg	< 170 ug/kg H	< 16 ug/kg	< 19 ug/kg	< 1100 ug/kg HQ
Alpha-BHC	m 1.7	< 11 ug/kg H	< 170 ug/kg HQ	< 16 ug/kg H	< 19 ug/kg HQ	< 1100 ug/kg HQ
Beta-BHC	m 1.7	< 11 ug/kg H	< 170 ug/kg HQ	< 16 ug/kg H	< 19 ug/kg HQ	< 1100 ug/kg HQ
Chlordane	* 1000	< 220 ug/kg	< 340 ug/kg	< 320 ug/kg	< 380 ug/kg	< 22000 ug/kg HQ
Delta-BHC	m 1.7	< 11 ug/kg H	< 170 ug/kg HQ	< 16 ug/kg H	< 19 ug/kg HQ	< 1100 ug/kg HQ
Dieldrin	* 80	< 22 ug/kg	< 340 ug/kg H	< 32 ug/kg	1.2 ug/kg J	< 2200 ug/kg uj HQ
Endosulfan I	* 60000	< 11 ug/kg	< 170 ug/kg	< 16 ug/kg	< 19 ug/kg	< 1100 ug/kg
Endosulfan II	* 60000	< 22 ug/kg	< 340 ug/kg	< 32 ug/kg	< 38 ug/kg	< 2200 ug/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (S)	SS-D4	SS-D8	SS-E3	SS-E6	SS-E7
Sample ID:						
Sampling Date:		04/27/94	04/27/94	04/26/94	04/26/94	04/26/94
Sample Number:		1409835	1409839	1409730	1409732	1409734
Pesticides and Herbicides						
Endosulfan Sulfate	m 3.3	< 22 ug/kg H	< 340 ug/kg HQ	< 32 ug/kg H	< 38 ug/kg HQ	< 2200 ug/kg HQ
Endrin	* 44000	0.11 ug/kg Jj	2.9 ug/kg Jj	< 32 ug/kg uj	< 19 ug/kg uj	< 2200 ug/kg
Endrin Aldehyde	m 3.3	4.9 ug/kg J h	< 340 ug/kg HQ	5.0 ug/kg Jj h	< 38 ug/kg uj HQ	< 2200 ug/kg HQ
Gamma-BHC (Lindane)	m 1.7	< 11 ug/kg H	< 170 ug/kg HQ	< 16 ug/kg H	< 19 ug/kg HQ	< 1100 ug/kg HQ
Heptachlor	* 280	< 11 ug/kg uj	< 170 ug/kg uj	< 16 ug/kg uj	< 19 ug/kg uj	< 1100 ug/kg H
Heptachlor Epoxide	* 140	< 11 ug/kg	< 170 ug/kg H	< 16 ug/kg	< 19 ug/kg	< 1100 ug/kg H
Methoxychlor	700	< 110 ug/kg uj	< 170 ug/kg uj	< 160 ug/kg uj	< 190 ug/kg uj	< 11000 ug/kg HQ
PCB-1016	* 1000	< 110 ug/kg	< 170 ug/kg	< 160 ug/kg	< 190 ug/kg	< 11000 ug/kg HQ
PCB-1221	* 1000	< 110 ug/kg	< 170 ug/kg	< 160 ug/kg	< 190 ug/kg	< 11000 ug/kg HQ
PCB-1232	* 1000	< 110 ug/kg	< 170 ug/kg	< 160 ug/kg	< 190 ug/kg	< 11000 ug/kg HQ
PCB-1242	* 1000	< 110 ug/kg	< 170 ug/kg	< 160 ug/kg	< 190 ug/kg	< 11000 ug/kg HQ
PCB-1248	* 1000	< 110 ug/kg	< 170 ug/kg	< 160 ug/kg	< 190 ug/kg	< 11000 ug/kg HQ
PCB-1254	* 1000	< 220 ug/kg	< 340 ug/kg	< 320 ug/kg	< 380 ug/kg	< 22000 ug/kg HQ
PCB-1260	* 1000	< 220 ug/kg	250 ug/kg Jj	< 320 ug/kg	130 ug/kg J	190000 ug/kg h
Toxaphene	m 170	< 220 ug/kg H	< 340 ug/kg H	< 320 ug/kg H	< 380 ug/kg H	< 22000 ug/kg HQ
Inorganic Non-metals						
Cyanide	3.0	0.172 mg/kg j	0.839 mg/kg j	< 0.0517 mg/kg uj	0.116 mg/kg j	< 0.265 mg/kg uj
Sulfides as S	m 1.0	< 69.0 mg/kg uj HQ	< 105 mg/kg uj HQ	< 51.7 mg/kg uj HQ	< 58.2 mg/kg uj HQ	< 66.3 mg/kg uj HQ
Physical Properties						
% Solids		>0.5 %	>0.5 %	>0.5 %	>0.5 %	>0.5 %
Total Solids		72.5 %	47.7 %	96.8 %	85.9 %	75.4 %
Hazardous Parameters						
Ignitibility, As in 49CFR172		passes	passes	PASSES	PASSES	PASSES
Total Releasable Cyanide HCN	NA	< 0.100 mg/kg	< 0.100 mg/kg	< 0.100 mg/kg	< 0.100 mg/kg	< 0.100 mg/kg
Total Releasable Sulfide H2S	NA	< 50 mg/kg	< 50 mg/kg	< 50 mg/kg	< 50 mg/kg	< 50 mg/kg

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

	Applicable Standards (S)	SS-F8
Location ID:		SS-F8
Sample ID:		
Sampling Date:		04/26/94
Sample Number:		1409736
Volatile Organics		
1,1,1-Trichloroethane	4000	< 6 ug/kg
1,1,2,2-Tetrachloroethane	m 10	< 6 ug/kg
1,1,2-Trichloroethane	13	< 6 ug/kg
1,1 Dichloroethane	17000	< 6 ug/kg
1,1 Dichloroethene	140	< 6 ug/kg
1,2 Dichloroethane	m 10	< 6 ug/kg
1,2 Dichloroethene(total)	1500	< 6 ug/kg
1,2 Dichloropropane	10	< 6 ug/kg
2 Butanone (MEK)	6400	< 12 ug/kg
2 Hexanone	20000	< 12 ug/kg
4 Methyl-2-Pentanone (MIBK)	7000	< 12 ug/kg
Acetone	14000	< 12 ug/kg
Benzene	24	< 6 ug/kg
Bromodichloromethane	11	< 6 ug/kg
Bromoform	92	< 6 ug/kg
Bromomethane(MethylBromide)	200	< 12 ug/kg
Carbon Disulfide	15000	< 6 ug/kg
Carbon Tetrachloride	m 10	< 6 ug/kg
Chlorobenzene	2600	< 6 ug/kg
Chloroethane	180	< 12 ug/kg
Chloroform	110	< 6 ug/kg
Chloromethane (Methyl Chlorid	54	< 12 ug/kg
cis-1,3-Dichloropropene	m 10	< 6 ug/kg
Dibromochloromethane	m 10	< 6 ug/kg
Ethylbenzene	1500	< 6 ug/kg
Methylene Chloride	92	< 6 ug/kg
Styrene	24	< 6 ug/kg
Tetrachloroethene (PCE)	14	< 6 ug/kg
Toluene	16000	< 6 ug/kg
Trans-1,3-Dichloropropene	m 10	< 6 ug/kg
Trichloroethene (TCE)	44	< 6 ug/kg
Vinyl Chloride	m 10	< 12 ug/kg H
Xylenes, Total	5600	< 6 ug/kg
Semi-Volatile Organics		
1,2,4-Trichlorobenzene	2200	< 1900 ug/kg
1,2-Dichlorobenzene	12000	< 1900 ug/kg
1,3-Dichlorobenzene	12000	< 1900 ug/kg

NT=Not Tested
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"U" = QL Not Demonstrably Below The Applicable Criteria

Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-F8
Sample ID:	Applicable	
Sampling Date:	Standards	04/26/94
Sample Number:	(S)	1409736

Semi-Volatile Organics

1,4-Dichlorobenzene	30	< 1900 ug/kg	HQ	
2,2'-oxybis(1-Chloropropane)	m 330	< 1900 ug/kg	H	
2,4,5-Trichlorophenol	14000	< 9500 ug/kg		
2,4,6-Trichlorophenol	m 330	< 1900 ug/kg	H	
2,4-Dichlorophenol	420	< 1900 ug/kg	H	
2,4-Dimethylphenol	7000	< 1900 ug/kg		
2,4-Dinitrophenol	m 1700	< 9500 ug/kg	H	
2,4-Dinitrotoluene	m 330	< 1900 ug/kg	H	
2,6-Dinitrotoluene	m 330	< 1900 ug/kg	H	
2-Chloronaphthalene	m 330	< 1900 ug/kg	H	
2-Chlorophenol	860	< 1900 ug/kg	H	
2-Methylnaphthalene	m 330	< 1900 ug/kg	H	
2-Methylphenol (o-Cresol)	7000	< 1900 ug/kg		
2-Nitroaniline	m 1700	< 9500 ug/kg	H	
2-Nitrophenol	m 330	< 1900 ug/kg	H	
3,3'-Dichlorobenzidine	m 2000	< 3800 ug/kg	H	
3-Nitroaniline	m 1700	< 9500 ug/kg	H	
4,6-Dinitro-2-methylphenol	m 1700	< 9500 ug/kg	H	
4-Bromophenyl-phenylether	m 330	< 1900 ug/kg	H	
4-Chloro-3-methylphenol	m 330	< 1900 ug/kg	H	
4-Chloroaniline	m 1300	< 1900 ug/kg	H	
4-Chlorophenyl-phenylether	m 330	< 1900 ug/kg	H	
4-Methylphenol(p-Cresol)	700	< 1900 ug/kg	H	
4-Nitroaniline	m 1700	< 9500 ug/kg	H	
4-Nitrophenol	m 1700	< 9500 ug/kg	H	
Acenaphthene	24000	< 1900 ug/kg		
Acenaphthylene	500	< 1900 ug/kg	H	
Anthracene	140000	< 1900 ug/kg		
Benzo(a)anthracene	* 1800	360 ug/kg	J	
Benzo(a)Pyrene	m 330	340 ug/kg	J	h
Benzo(b)fluoranthene	* 1800	500 ug/kg	J	
Benzo(g,h,i)perylene	* 930000	< 1900 ug/kg		
Benzo(k)fluoranthene	* 18000	210 ug/kg	J	
bis(2-Chloroethoxy)methane	m 330	< 1900 ug/kg	H	
bis(2-Chloroethyl)ether	m 330	< 1900 ug/kg	H	
bis(2-Ethylhexyl)phthalate	* 92000	< 1900 ug/kg		
Butylbenzylphthalate	22000	< 1900 ug/kg		
Carbazole	m 330	< 1900 ug/kg	H	
Chrysene	* 180000	370 ug/kg	J	

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-F8
Sample ID:	Applicable	
Sampling Date:	Standards	04/26/94
Sample Number:	(S)	1409736
Semi-Volatile Organics		
Di n butylphthalate	17000	< 1900 ug/kg
Di n octylphthalate	2600	< 1900 ug/kg
Dibenzo(a,h)anthracene	m 330	< 1900 ug/kg H
Dibenzofuran	m 330	< 1900 ug/kg H
Diethylphthalate	100000	< 1900 ug/kg
Dimethylphthalate	1400000	< 1900 ug/kg
Fluoranthene	17000	830 ug/kg J
Fluorene	17000	< 1900 ug/kg
Hexachlorobenzene	m 330	< 1900 ug/kg H
Hexachlorobutadiene	m 10	< 1900 ug/kg HQ
Hexachlorocyclopentadiene	1000	< 1900 ug/kg H
Hexachloroethane	m 330	< 1900 ug/kg H
Indeno (1,2,3-cd) pyrene	* 1800	< 1900 ug/kg H
Isophorone	760	< 1900 ug/kg H
N Nitroso-di-n propylamine	m 330	< 1900 ug/kg H
N Nitrosodiphenylamine (1)	m 330	< 1900 ug/kg H
Naphthalene	5000	< 1900 ug/kg
Nitrobenzene	m 330	< 1900 ug/kg H
Pentachlorophenol	m 1700	< 9500 ug/kg H
Phenanthrene	500	420 ug/kg J
Phenol	84000	< 1900 ug/kg
Pyrene	10000	610 ug/kg J
Pyridine	m 300	< 1900 ug/kg H
Pesticides and Herbicides		
2,4,5-TP	1000	< 1.1 ug/kg J
2,4-D	1400	< 1100 ug/kg JB u
4,4'-DDD	* 5400	570 ug/kg nj
4,4'-DDE	* 3800	160 ug/kg nj
4,4'-DDT	* 3800	950 ug/kg j
Aldrin	* 76	< 45 ug/kg
Alpha-BHC	m 1.7	< 45 ug/kg HQ
Beta-BHC	m 1.7	< 45 ug/kg HQ
Chlordane	* 1000	< 900 ug/kg
Delta-BHC	m 1.7	< 45 ug/kg HQ
Dieldrin	* 80	< 90 ug/kg H
Endosulfan I	* 60000	< 45 ug/kg
Endosulfan II	* 60000	< 90 ug/kg

NT=Not Tested
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(S) " * " = Type B Direct Contact Value Criteria
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Table 6

Surface Soil Samples
Jackson Drop Forge Site
Jackson, Michigan

	Applicable Standards (S)	SS-F8
Location ID:		SS-F8
Sample ID:		
Sampling Date:		04/26/94
Sample Number:		1409736
Pesticides and Herbicides		
Endosulfan Sulfate	m 3.3	< 90 ug/kg HQ
Endrin	* 44000	< 90 ug/kg uj
Endrin Aldehyde	m 3.3	12 ug/kg Jj h
Gamma-BHC (Lindane)	m 1.7	< 45 ug/kg HQ
Heptachlor	* 280	< 45 ug/kg uj
Heptachlor Epoxide	* 140	< 45 ug/kg
Methoxychlor	700	< 450 ug/kg uj
PCB-1016	* 1000	< 450 ug/kg
PCB-1221	* 1000	< 450 ug/kg
PCB-1232	* 1000	< 450 ug/kg
PCB-1242	* 1000	< 450 ug/kg
PCB-1248	* 1000	< 450 ug/kg
PCB-1254	* 1000	< 900 ug/kg
PCB-1260	* 1000	< 900 ug/kg
Toxaphene	m 170	< 900 ug/kg H
Inorganic Non-metals		
Cyanide	3.0	< 0.114 mg/kg uj
Sulfides as S	m 1.0	< 57.1 mg/kg uj HQ
Physical Properties		
% Solids		>0.5 %
Total Solids		87.6 %
Hazardous Parameters		
Ignitibility, As in 49CFR172		PASSES
Total Releasable Cyanide HCN	NA	< 0.100 mg/kg
Total Releasable Sulfide H2S	NA	< 50 mg/kg

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (GW)	BG1-SS	BG2-SS	BG3-SS	BG4-SS	SS B2
Sample ID:		Leach of 1409710	Leach of 1409712	Leach of 1409714	Leach of 1409841	Leach of 1409716
Sampling Date:		04/26/94	04/26/94	04/26/94	04/27/94	04/26/94
Sample Number:		1409711	1409713	1409715	1409842	1409717
Metals						
Arsenic	m 0.001	0.246 mg/l h	0.220 mg/l h	0.295 mg/l h	..	0.268 mg/l h
Barium	2.4	0.655 mg/l	0.830 mg/l	0.841 mg/l	0.879 mg/l	0.782 mg/l
Copper	1.0	..	0.032 mg/l	..	..	..
Hexavalent Chromium	0.12	..	..	..	..	SEE COM
Zinc	2.3	0.272 mg/l	0.279 mg/l	0.259 mg/l	0.278 mg/l	0.179 mg/l

* * = NOT TESTED OR NOT DETECTED
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
(2) "h" = Above Applicable Criteria Hits
(2) "H" = QL Above Applicable Criteria
(2) "Q" = QL Not Demonstrably Below The Applicable Criteria

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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID: Sample ID: Sampling Date: Sample Number:	Applicable Standards (GW)	SS-B4 Leach of 1409831 04/27/94 1409832	SS-B4 Leach of 1409833 04/27/94 1409834	SS-C3 Leach of 1409718 04/26/94 1409719	SS-C5 Leach of 1409720 04/26/94 1409721	SS-C7 Leach of 1409829 04/27/94 1409830
Metals						
Arsenic	m 0.001	0.225 mg/l h	0.254 mg/l h	0.293 mg/l h	0.406 mg/l h	0.285 mg/l h
Barium	2.4	0.823 mg/l	0.845 mg/l	0.888 mg/l	0.688 mg/l	0.791 mg/l
Cadmium	0.0035	..	..	0.007 mg/l h	..	..
Chromium	37	..	..	0.012 mg/l	0.015 mg/l	..
Copper	1.0	0.048 mg/l	0.038 mg/l	..	0.132 mg/l	..
Hexavalent Chromium	0.12	..	..	..	0.013 mg/l	..
Lead	0.004	..	..	..	2.46 mg/l h	..
Zinc	2.3	0.570 mg/l	0.547 mg/l	0.245 mg/l	0.444 mg/l	0.321 mg/l

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(2) "h" = Above Applicable Criteria Hits
(2) "H" = QL Above Applicable Criteria
(2) "U" = QL Not Demonstrably Below The Applicable Criteria

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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS C6	SS-D3	SS-D5	SS D5	SS D7
Sample ID:	Applicable	Leach of 1409837	Leach of 1409722	Leach of 1409724	Leachdup 1409726	Leach of 1409728
Sampling Date:	Standards	04/27/94	04/26/94	04/26/94	04/26/94	04/26/94
Sample Number:	(GW)	1409838	1409723	1409725	1409727	1409729
Metals						
Arsenic	m 0.001	..	0.306 mg/l h	0.309 mg/l h	0.315 mg/l h	..
Barium	2.4	0.826 mg/l	0.773 mg/l	1.21 mg/l	1.24 mg/l	1.08 mg/l
Chromium	37	..	..	0.228 mg/l	0.120 mg/l	..
Hexavalent Chromium	0.12	..	..	SEE COM	0.099 mg/l	..
Lead	0.004	..	..	0.239 mg/l h	0.162 mg/l h	..
Zinc	2.3	0.394 mg/l	0.187 mg/l	0.471 mg/l	0.475 mg/l	0.703 mg/l

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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID: Sample ID: Sampling Date: Sample Number:	Applicable Standards (GW)	SS-D4 Leach of 1409835 04/27/94 1409836	SS-D8 Leach of 1409839 04/27/94 1409840	SS-E3 Leach of 1409730 04/26/94 1409731	SS-E6 Leach of 1409732 04/26/94 1409733	SS-E7 Leach of 1409734 04/26/94 1409735
Metals						
Arsenic	m 0.001	..	..	0.304 mg/l h	0.257 mg/l h	0.236 mg/l h
Barium	2.4	0.951 mg/l	0.778 mg/l	0.733 mg/l	1.27 mg/l	1.30 mg/l
Cadmium	0.0035	..	..	..	0.035 mg/l h	..
Hexavalent Chromium	0.12	..	..	..	..	SEE COM
Lead	0.004	..	..	..	2.20 mg/l h	..
Zinc	2.3	0.696 mg/l	0.891 mg/l	0.130 mg/l	11.2 mg/l h	0.636 mg/l

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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS 18
Sample ID:	Applicable	Leach of 1409736
Sampling Date:	Standards	04/26/94
Sample Number:	(GW)	1409737
Metals		
Arsenic	m 0.001	0.245 mg/l h
Barium	2.4	0.588 mg/l
Zinc	2.3	0.357 mg/l

* * = NOT TESTED OR NOT DETECTED
(GW) - (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) - "m" - Type A Applicable Criteria (MDL Value Used)
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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (GW)	BG1-SS	BG2-SS	BG3-SS	BG4-SS	SS-B2	
Sample ID:		Leach of 1409710	Leach of 1409712	Leach of 1409714	Leach of 1409841	Leach of 1409716	
Sampling Date:		04/26/94	04/26/94	04/26/94	04/27/94	04/26/94	
Sample Number:		1409711	1409713	1409715	1409842	1409717	
Volatile Organics							
1,1-Dichloroethene	7.0	NT	NT	NT	NT	< 5.0 ug/l uj	
1,2-Dichloroethane	m 1.00	NT	NT	NT	NT	< 5.0 ug/l uj	H
2-Butanone (MEK)	320.00	NT	NT	NT	NT	< 10.0 ug/l uj	
Benzene	1.20	NT	NT	NT	NT	< 5.0 ug/l uj	H
Carbon Tetrachloride	m 1.00	NT	NT	NT	NT	< 5.0 ug/l uj	H
Chlorobenzene	130.00	NT	NT	NT	NT	< 5.0 ug/l uj	
Chloroform	5.60	NT	NT	NT	NT	< 5.0 ug/l uj	
Tetrachloroethene (PCE)	m 1.00	NT	NT	NT	NT	< 5.0 ug/l uj	H
Trichloroethene (TCE)	2.20	NT	NT	NT	NT	< 5.0 ug/l uj	H
Vinyl Chloride	m 1.00	NT	NT	NT	NT	< 10.0 ug/l uj	H
Semi-Volatile Organics							
1,4-Dichlorobenzene	1.50	NT	NT	NT	NT	< 20 ug/l uj	HQ
2,4,5-Trichlorophenol	700.00	NT	NT	NT	NT	< 100 ug/l uj	
2,4,6-Trichlorophenol	m 5.00	NT	NT	NT	NT	< 20 ug/l uj	H
2,4-Dinitrotoluene	m 5.00	NT	NT	NT	NT	< 20 ug/l uj	H
2-Methylphenol (o-Cresol)	350.00	NT	NT	NT	NT	< 20 ug/l uj	
3-Methyl phenol (m-Cresol)	350.00	NT	NT	NT	NT	< 20 ug/l uj	
4-Methylphenol(p-Cresol)	35.00	NT	NT	NT	NT	< 20 ug/l uj	
Hexachlorobenzene	m 5.0	NT	NT	NT	NT	< 20 ug/l uj	H
Hexachlorobutadiene	m 0.1	NT	NT	NT	NT	< 20 ug/l uj	HQ
Hexachloroethane	m 5.0	NT	NT	NT	NT	< 20 ug/l uj	H
Nitrobenzene	m 5.00	NT	NT	NT	NT	< 20 ug/l uj	H
O,M,P Cresol (Total Cresols)	35.0	NT	NT	NT	NT	< 20 ug/l uj	
Pentachlorophenol	m 1.00	NT	NT	NT	NT	< 100 ug/l uj	HQ
Pyridine	m 10	NT	NT	NT	NT	< 20 ug/l uj	H
Pesticides and Herbicides							
2,4,5-TP	52.00	NT	NT	NT	NT	< 20 ug/l uj	
2,4-D	70.00	NT	NT	NT	NT	< 20 ug/l uj	
Chlordane	0.027	NT	NT	NT	NT	< 2.0 ug/l uj	H
Endrin	1.20	NT	NT	NT	NT	< 0.20 ug/l uj	
Gamma-BHC (Lindane)	0.027	NT	NT	NT	NT	< 0.10 ug/l uj	H
Heptachlor	m 0.01	NT	NT	NT	NT	< 0.10 ug/l uj	H
Heptachlor Epoxide	m 0.01	NT	NT	NT	NT	< 0.10 ug/l uj	H
Methoxychlor	35.00	NT	NT	NT	NT	< 1.0 ug/l uj	
Toxaphene	m 1.00	NT	NT	NT	NT	< 10 ug/l uj	H

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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		BG1-SS	BG2-SS	BG3-SS	BG4-SS	SS-B2
Sample ID:	Applicable	Leach of 1409710	Leach of 1409712	Leach of 1409714	Leach of 1409841	Leach of 1409716
Sampling Date:	Standards	04/26/94	04/26/94	04/26/94	04/27/94	04/26/94
Sample Number:	(GW)	1409711	1409713	1409715	1409842	1409717
Metals						
Arsenic	m 0.001	0.246 mg/l h	0.220 mg/l h	0.295 mg/l h	< 0.2 mg/l HQ	0.268 mg/l h
Barium	2.4	0.655 mg/l	0.830 mg/l	0.841 mg/l	0.879 mg/l	0.782 mg/l
Cadmium	0.0035	< 0.005 mg/l HQ	< 0.005 mg/l HQ	< 0.005 mg/l HQ	< 0.005 mg/l H	< 0.005 mg/l HQ
Chromium	37	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l
Copper	1.0	< 0.02 mg/l	0.032 mg/l	< 0.02 mg/l	< 0.02 mg/l	< 0.02 mg/l
Hexavalent Chromium	0.12	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l	SEE COM
Lead	0.004	< 0.1 mg/l HQ	< 0.1 mg/l HQ	< 0.1 mg/l HQ	< 0.1 mg/l H	< 0.1 mg/l H
Mercury	0.0021	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l
Selenium	0.035	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ
Silver	0.033	< 0.01 mg/l uj	< 0.01 mg/l uj	< 0.01 mg/l uj	< 0.01 mg/l	< 0.01 mg/l uj
Zinc	2.3	0.272 mg/l	0.279 mg/l	0.259 mg/l	0.278 mg/l	0.179 mg/l

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(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID: Sample ID: Sampling Date: Sample Number:	Applicable Standards (GW)	SS-B4 Leach of 1409831 04/27/94 1409832	SS-B4 Leach of 1409833 04/27/94 1409834	SS-C3 Leach of 1409718 04/26/94 1409719	SS-C5 Leach of 1409720 04/26/94 1409721	SS-C7 Leach of 1409829 04/27/94 1409830
Volatile Organics						
1,1-Dichloroethene	7.0	NT	NT	< 5.0 ug/l uj	< 5.0 ug/l uj	NT
1,2-Dichloroethane	m 1.00	NT	NT	< 5.0 ug/l uj H	< 5.0 ug/l uj H	NT
2-Butanone (MEK)	320.00	NT	NT	< 10.0 ug/l uj	< 10.0 ug/l uj	NT
Benzene	1.20	NT	NT	< 5.0 ug/l uj H	< 5.0 ug/l uj H	NT
Carbon Tetrachloride	m 1.00	NT	NT	< 5.0 ug/l uj H	< 5.0 ug/l uj H	NT
Chlorobenzene	130.00	NT	NT	< 5.0 ug/l uj	< 5.0 ug/l uj	NT
Chloroform	5.60	NT	NT	< 5.0 ug/l uj	< 5.0 ug/l uj	NT
Tetrachloroethene (PCE)	m 1.00	NT	NT	< 5.0 ug/l uj H	< 5.0 ug/l uj H	NT
Trichloroethene (TCE)	2.20	NT	NT	< 5.0 ug/l uj H	< 5.0 ug/l uj H	NT
Vinyl Chloride	m 1.00	NT	NT	< 10.0 ug/l uj H	< 10.0 ug/l uj H	NT
Semi-Volatile Organics						
1,4-Dichlorobenzene	1.50	NT	NT	< 20 ug/l uj HQ	< 20 ug/l uj HQ	NT
2,4,5-Trichlorophenol	700.00	NT	NT	< 100 ug/l uj	< 100 ug/l uj	NT
2,4,6-Trichlorophenol	m 5.00	NT	NT	< 20 ug/l uj H	< 20 ug/l uj H	NT
2,4-Dinitrotoluene	m 5.00	NT	NT	< 20 ug/l uj H	< 20 ug/l uj H	NT
2-Methylphenol (o-Cresol)	350.00	NT	NT	< 20 ug/l uj	< 20 ug/l uj	NT
3-Methyl phenol (m-Cresol)	350.00	NT	NT	< 20 ug/l uj	< 20 ug/l uj	NT
4-Methylphenol(p-Cresol)	35.00	NT	NT	< 20 ug/l uj	< 20 ug/l uj	NT
Hexachlorobenzene	m 5.0	NT	NT	< 20 ug/l uj H	< 20 ug/l uj H	NT
Hexachlorobutadiene	m 0.1	NT	NT	< 20 ug/l uj HQ	< 20 ug/l uj HQ	NT
Hexachloroethane	m 5.0	NT	NT	< 20 ug/l uj H	< 20 ug/l uj H	NT
Nitrobenzene	m 5.00	NT	NT	< 20 ug/l uj H	< 20 ug/l uj H	NT
O,M,P Cresol (Total Cresols)	35.0	NT	NT	< 20 ug/l uj	< 20 ug/l uj	NT
Pentachlorophenol	m 1.00	NT	NT	< 100 ug/l uj HQ	< 100 ug/l uj HQ	NT
Pyridine	m 10	NT	NT	< 20 ug/l uj H	< 20 ug/l uj H	NT
Pesticides and Herbicides						
2,4,5-TP	52.00	NT	NT	< 20 ug/l uj	< 20 ug/l uj	NT
2,4-D	70.00	NT	NT	< 20 ug/l uj	< 20 ug/l uj	NT
Chlordane	0.027	NT	NT	< 2.0 ug/l uj H	< 2.0 ug/l uj H	NT
Endrin	1.20	NT	NT	< 0.20 ug/l uj	< 0.20 ug/l uj	NT
Gamma-BHC (Lindane)	0.027	NT	NT	< 0.10 ug/l uj H	< 0.10 ug/l uj H	NT
Heptachlor	m 0.01	NT	NT	< 0.10 ug/l uj H	< 0.10 ug/l uj H	NT
Heptachlor Epoxide	m 0.01	NT	NT	< 0.10 ug/l uj H	< 0.10 ug/l uj H	NT
Methoxychlor	35.00	NT	NT	< 1.0 ug/l uj	< 1.0 ug/l uj	NT
Toxaphene	m 1.00	NT	NT	< 10 ug/l uj H	< 10 ug/l uj H	NT

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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-B4	SS-B4	SS-C3	SS-C5	SS-C7
Sample ID:	Applicable	Leach of 1409831	Leach of 1409833	Leach of 1409718	Leach of 1409720	Leach of 1409829
Sampling Date:	Standards	04/27/94	04/27/94	04/26/94	04/26/94	04/27/94
Sample Number:	(GW)	1409832	1409834	1409719	1409721	1409830
Metals						
Arsenic	m 0.001	0.225 mg/l h	0.254 mg/l h	0.293 mg/l h	0.406 mg/l h	0.285 mg/l h
Barium	2.4	0.823 mg/l	0.845 mg/l	0.888 mg/l	0.688 mg/l	0.791 mg/l
Cadmium	0.0035	< 0.005 mg/l HQ	< 0.005 mg/l HQ	0.007 mg/l h	< 0.005 mg/l H	< 0.005 mg/l HQ
Chromium	37	< 0.01 mg/l	< 0.01 mg/l	0.012 mg/l	0.015 mg/l	< 0.01 mg/l
Copper	1.0	0.048 mg/l	0.038 mg/l	< 0.02 mg/l	0.132 mg/l	< 0.02 mg/l
Hexavalent Chromium	0.12	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l	0.013 mg/l	< 0.01 mg/l
Lead	0.004	< 0.1 mg/l HQ	< 0.1 mg/l HQ	< 0.1 mg/l H	2.46 mg/l h	< 0.1 mg/l H
Mercury	0.0021	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l
Selenium	0.035	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ
Silver	0.033	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l uj	< 0.01 mg/l uj	< 0.01 mg/l
Zinc	2.3	0.570 mg/l	0.547 mg/l	0.245 mg/l	0.444 mg/l	0.321 mg/l

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
(2) "h" = Above Applicable Criteria Hits
(2) "H" = QL Above Applicable Criteria
(2) "Q" = QL Not Demonstrably Below The Applicable Criteria

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Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID: Sample ID: Sampling Date: Sample Number:	Applicable Standards (GW)	SS-C6 Leach of 1409837 04/27/94 1409838	SS-D3 Leach of 1409722 04/26/94 1409723	SS-D5 Leach of 1409724 04/26/94 1409725	SS-D5 LeachDup 1409726 04/26/94 1409727	SS-D7 Leach of 1409728 04/26/94 1409729
Volatile Organics						
1,1-Dichloroethene	7.0	NT	NT	< 5.0 ug/l uj	NT	< 5.0 ug/l uj
1,2-Dichloroethane	m 1.00	NT	NT	< 5.0 ug/l uj H	NT	< 5.0 ug/l uj H
2-Butanone (MEK)	320.00	NT	NT	< 10.0 ug/l uj	NT	< 10.0 ug/l uj
Benzene	1.20	NT	NT	< 5.0 ug/l uj H	NT	< 5.0 ug/l uj H
Carbon Tetrachloride	m 1.00	NT	NT	< 5.0 ug/l uj H	NT	< 5.0 ug/l uj H
Chlorobenzene	130.00	NT	NT	< 5.0 ug/l uj	NT	< 5.0 ug/l uj
Chloroform	5.60	NT	NT	< 5.0 ug/l uj	NT	< 5.0 ug/l uj
Tetrachloroethene (PCE)	m 1.00	NT	NT	< 5.0 ug/l uj H	NT	< 5.0 ug/l uj H
Trichloroethene (TCE)	2.20	NT	NT	< 5.0 ug/l uj H	NT	< 5.0 ug/l uj H
Vinyl Chloride	m 1.00	NT	NT	< 10.0 ug/l uj H	NT	< 10.0 ug/l uj H
Semi-Volatile Organics						
1,4-Dichlorobenzene	1.50	NT	NT	< 20 ug/l uj HQ	NT	< 20 ug/l uj HQ
2,4,5-Trichlorophenol	700.00	NT	NT	< 100 ug/l uj	NT	< 100 ug/l uj
2,4,6-Trichlorophenol	m 5.00	NT	NT	< 20 ug/l uj H	NT	< 20 ug/l uj H
2,4-Dinitrotoluene	m 5.00	NT	NT	< 20 ug/l uj H	NT	< 20 ug/l uj H
2-Methylphenol (o-Cresol)	350.00	NT	NT	< 20 ug/l uj	NT	< 20 ug/l uj
3-Methyl phenol (m-Cresol)	350.00	NT	NT	< 20 ug/l uj	NT	< 20 ug/l uj
4-Methylphenol(p-Cresol)	35.00	NT	NT	< 20 ug/l uj	NT	< 20 ug/l uj
Hexachlorobenzene	m 5.0	NT	NT	< 20 ug/l uj H	NT	< 20 ug/l uj H
Hexachlorobutadiene	m 0.1	NT	NT	< 20 ug/l uj HQ	NT	< 20 ug/l uj HQ
Hexachloroethane	m 5.0	NT	NT	< 20 ug/l uj H	NT	< 20 ug/l uj H
Nitrobenzene	m 5.00	NT	NT	< 20 ug/l uj H	NT	< 20 ug/l uj H
O,M,P Cresol (Total Cresols)	35.0	NT	NT	< 20 ug/l uj	NT	< 20 ug/l uj
Pentachlorophenol	m 1.00	NT	NT	< 100 ug/l uj HQ	NT	< 100 ug/l uj HQ
Pyridine	m 10	NT	NT	< 20 ug/l uj H	NT	< 20 ug/l uj H
Pesticides and Herbicides						
2,4,5-TP	52.00	NT	NT	< 20 ug/l uj	NT	< 20 ug/l uj
2,4-D	70.00	NT	NT	< 20 ug/l uj	NT	< 20 ug/l uj
Chlordane	0.027	NT	NT	< 2.0 ug/l uj H	NT	< 2.0 ug/l uj H
Endrin	1.20	NT	NT	< 0.20 ug/l uj	NT	< 0.20 ug/l uj
Gamma-BHC (Lindane)	0.027	NT	NT	< 0.10 ug/l uj H	NT	< 0.10 ug/l uj H
Heptachlor	m 0.01	NT	NT	< 0.10 ug/l uj H	NT	< 0.10 ug/l uj H
Heptachlor Epoxide	m 0.01	NT	NT	< 0.10 ug/l uj H	NT	< 0.10 ug/l uj H
Methoxychlor	35.00	NT	NT	< 1.0 ug/l uj	NT	< 1.0 ug/l uj
Toxaphene	m 1.00	NT	NT	< 10 ug/l uj H	NT	< 10 ug/l uj H

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
(2) "h" = Above Applicable Criteria Hits
(2) "H" = QL Above Applicable Criteria
(2) "Q" = QL Not Demonstrably Below The Applicable Criteria

Printed: 09/28/94

Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (GW)	SS-C6	SS-D3	SS-D5	SS-D5	SS-D7
Sample ID:		Leach of 1409837	Leach of 1409722	Leach of 1409724	LeachDup 1409726	Leach of 1409728
Sampling Date:		04/27/94	04/26/94	04/26/94	04/26/94	04/26/94
Sample Number:		1409838	1409723	1409725	1409727	1409729
Metals						
Arsenic	m 0.001	< 0.2 mg/l HQ	0.306 mg/l h	0.309 mg/l h	0.315 mg/l h	< 0.2 mg/l HQ
Barium	2.4	0.826 mg/l	0.773 mg/l	1.21 mg/l	1.24 mg/l	1.08 mg/l
Cadmium	0.0035	< 0.005 mg/l HQ	< 0.005 mg/l HQ	< 0.005 mg/l HQ	< 0.005 mg/l HQ	< 0.005 mg/l HQ
Chromium	37	< 0.01 mg/l	< 0.01 mg/l	0.228 mg/l	0.120 mg/l	< 0.01 mg/l
Copper	1.0	< 0.02 mg/l	< 0.02 mg/l	< 0.02 mg/l	< 0.02 mg/l	< 0.02 mg/l
Hexavalent Chromium	0.12	< 0.01 mg/l	< 0.01 mg/l	SEE COM	0.099 mg/l	< 0.01 mg/l
Lead	0.004	< 0.1 mg/l HQ	< 0.1 mg/l H	0.239 mg/l h	0.162 mg/l h	< 0.1 mg/l HQ
Mercury	0.0021	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l
Selenium	0.035	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ
Silver	0.033	< 0.01 mg/l	< 0.01 mg/l uj	< 0.01 mg/l uj	< 0.01 mg/l uj	< 0.01 mg/l uj
Zinc	2.3	0.394 mg/l	0.187 mg/l	0.471 mg/l	0.475 mg/l	0.703 mg/l

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
(2) "h" = Above Applicable Criteria Hits
(2) "H" = QL Above Applicable Criteria
(2) "Q" = QL Not Demonstrably Below The Applicable Criteria

Printed: 09/28/94

Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-D4	SS-D8	SS-E3	SS-E6	SS-E7
Sample ID:	Applicable	Leach of 1409835	Leach of 1409839	Leach of 1409730	Leach of 1409732	Leach of 1409734
Sampling Date:	Standards	04/27/94	04/27/94	04/26/94	04/26/94	04/26/94
Sample Number:	(GW)	1409836	1409840	1409731	1409733	1409735
Metals						
Arsenic	m 0.001	< 0.2 mg/l HQ	< 0.2 mg/l HQ	0.304 mg/l h	0.257 mg/l h	0.236 mg/l h
Barium	2.4	0.951 mg/l	0.778 mg/l	0.733 mg/l	1.27 mg/l	1.30 mg/l
Cadmium	0.0035	< 0.005 mg/l HQ	< 0.005 mg/l HQ	< 0.005 mg/l HQ	0.035 mg/l h	< 0.005 mg/l HQ
Chromium	37	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l
Copper	1.0	< 0.02 mg/l	< 0.02 mg/l	< 0.02 mg/l	< 0.02 mg/l	< 0.02 mg/l
Hexavalent Chromium	0.12	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l	SEE COM
Lead	0.004	< 0.1 mg/l HQ	< 0.1 mg/l HQ	< 0.1 mg/l HQ	2.20 mg/l h	< 0.1 mg/l HQ
Mercury	0.0021	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l
Selenium	0.035	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ	< 0.2 mg/l HQ
Silver	0.033	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l uj	< 0.01 mg/l uj	< 0.01 mg/l uj
Zinc	2.3	0.696 mg/l	0.891 mg/l	0.130 mg/l	11.2 mg/l h	0.636 mg/l

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
(2) "h" = Above Applicable Criteria Hits
(2) "H" = QL Above Applicable Criteria
(2) "Q" = QL Not Demonstrably Below The Applicable Criteria

Printed: 09/28/94

Table 6

Surface Soil Samples (Leachate)
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		SS-18	
Sample ID:	Applicable	Leach of 1409736	
Sampling Date:	Standards	04/26/94	
Sample Number:	(GW)	1409737	
Metals			
Arsenic	m 0.001	0.245 mg/l	h
Barium	2.4	0.588 mg/l	
Cadmium	0.0035	< 0.005 mg/l	HQ
Chromium	37	< 0.01 mg/l	
Copper	1.0	< 0.02 mg/l	
Hexavalent Chromium	0.12	< 0.01 mg/l	
Lead	0.004	< 0.1 mg/l	HQ
Mercury	0.0021	< 0.0002 mg/l	
Selenium	0.035	< 0.2 mg/l	HQ
Silver	0.033	< 0.01 mg/l	uj
Zinc	2.3	0.357 mg/l	

Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	EBG-SED	EBG-SED	SED-02	SED-02	SED-A4	SED-A4
Sample ID:		Leach of 1410286		Leach of 1410086		Leach of 1409843
Sampling Date:	05/02/94	05/02/94	04/28/94	04/28/94	04/27/94	04/27/94
Sample Number:	1410286	1410287	1410086	1410087	1409843	1409844
Cross Ref Sample:						
Volatile Organics						
2-Butanone (MEK)	..	..	..	..	12 ug/kg J	..
Acetone	65 ug/kg BJ	..	..	..	190 ug/kg	..
Methylene Chloride	9 ug/kg JB J	..	17 ug/kg B J	..	..	..
Semi-Volatile Organics						
2-Methylnaphthalene	960 ug/kg J	..	..	..	..	..
Acenaphthene	320 ug/kg J	..	..	..	..	..
Benzo(a)anthracene	260 ug/kg J	..	..	..	..	..
Benzo(a)Pyrene	270 ug/kg J	..	..	..	..	..
Benzo(b)fluoranthene	430 ug/kg J	..	..	..	..	..
bis(2-Ethylhexyl)phthalat	420 ug/kg J	..	360 ug/kg J	..	490 ug/kg J	..
Chrysene	330 ug/kg J	..	..	..	..	..
Di-n-butylphthalate	230 ug/kg J	..	..	..	280 ug/kg J	..
Dibenzofuran	330 ug/kg J	..	..	..	..	..
Fluoranthene	770 ug/kg J	..	280 ug/kg J	..	280 ug/kg J	..
Fluorene	290 ug/kg J	..	..	..	..	..
Naphthalene	2700 ug/kg J	..	..	..	..	..
Phenanthrene	730 ug/kg J	..	..	..	..	..
Pyrene	500 ug/kg J	..	250 ug/kg J	..	290 ug/kg J	..
Pesticides and Herbicides						
4,4'-DDD	0.57 ug/kg Jj	..	1.1 ug/kg J	..	..	..
4,4'-DDE	0.60 ug/kg Jj	..	1.0 ug/kg J	..	..	..
4,4'-DDT	0.51 ug/kg Jj	..	..	..	..	..
Endrin Aldehyde	8.3 ug/kg Jj	..	..	..	15 ug/kg J	..
PCB-1260	..	..	..	..	320 ug/kg J	..
Metals						
Arsenic	..	0.262 mg/l	..	0.215 mg/l	..	0.220 mg/l
Barium	..	0.705 mg/l J	..	1.02 mg/l J	..	1.12 mg/l
Zinc	..	0.226 mg/l	..	0.522 mg/l	..	0.193 mg/l
Physical Properties						
% Solids	>0.5 %	..	>0.5 %	..	>0.5 %	..
Total Solids	29.9 %	..	28.7 %	..	25.0 %	..

* * = NOT TESTED OR NOT DETECTED
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	EBG-SED	EBG-SED	SED-02	SED-02	SED-A6	SED-A6
Sample ID:		Leach of 1410286		Leach of 1410086		Leach of 1409843
Sampling Date:	05/02/94	05/02/94	04/28/94	04/28/94	04/27/94	04/27/94
Sample Number:	1410286	1410287	1410086	1410087	1409843	1409844
Cross Ref Sample:						
Hazardous Parameters						
Ignitibility, As in 49CFR	PASSES	..	PASSES	..	passes	..

* * = NOT TESTED OR NOT DETECTED
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"B" = Above Applicable Criteria Hits
"G" = Q[illegible] Above Applicable Criteria
"Q" = Q[illegible] Demonstrably Below The Applicable Criteria

Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	SED-B5	SED-B5	SED-B5A	SED-B5A	SED-C8	SED-C8
Sample ID:		Leach of 1409845		Leach of 1409847		Leach of 1410088
Sampling Date:	04/27/94	04/27/94	04/27/94	04/27/94	04/28/94	04/28/94
Sample Number:	1409845	1409846	1409847	1409848	1410088	1410089
Cross Ref Sample:						
Volatile Organics						
Acetone	..	..	..	..	53 ug/kg B	..
Benzene	..	..	..	..	..	5 ug/l j
Methylene Chloride	..	..	..	..	5 ug/kg JB j	..
Semi-Volatile Organics						
bis(2-EthylHexyl)phthalat	250 ug/kg J	..	260 ug/kg J	..	910 ug/kg J	..
Di-n-butylphthalate	380 ug/kg J	..	380 ug/kg J	..	3400 ug/kg B	..
Di-n-octylphthalate	..	..	..	..	200 ug/kg J	..
Pesticides and Herbicides						
4,4'-DDT	..	..	..	..	1.8 ug/kg Jj	..
Endrin Aldehyde	..	..	..	..	3.7 ug/kg J	..
Metals						
Arsenic	..	0.235 mg/l	..	..	..	0.212 mg/l
Barium	..	0.869 mg/l	..	0.757 mg/l	..	0.684 mg/l j
Zinc	..	0.119 mg/l	..	0.097 mg/l	..	0.066 mg/l
Inorganic Non-metals						
Cyanide	0.230 mg/kg j	..	0.250 mg/kg j	..	..	..
Physical Properties						
% Solids	>0.5 %	..	>0.5 %	..	>5.0 %	..
Total Solids	21.7 %	..	20.0 %	..	33.7 %	..
Hazardous Parameters						
Ignitibility, As in 49CFR	passes	..	passes	..	PASSES	..

* * = NOT TESTED OR NOT DETECTED
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	EBG-SED	EBG SED	SED-02	SED-02	SED-A4	SED-A4
Sample ID:		Leach of 1410288		Leach of 1410088		Leach of 1409843
Sampling Date:	05/02/94	05/02/94	04/28/94	04/28/94	04/27/94	04/27/94
Sample Number:	1410286	1410287	1410086	1410087	1409843	1409844
Cross Ref Sample:						
Volatile Organics						
1,1,1-Trichloroethane	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
1,1,2,2-Tetrachloroethane	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
1,1,2-Trichloroethane	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
1,1-Dichloroethane	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
1,1 Dichloroethene	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
1,2-Dichloroethane	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
1,2 Dichloroethene(total)	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
1,2-Dichloropropane	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
2-Butanone (MEK)	< 34 ug/kg	NT	< 34 ug/kg	NT	12 ug/kg J	NT
2 Hexanone	< 34 ug/kg	NT	< 34 ug/kg	NT	< 40 ug/kg	NT
4 Methyl-2-Pentanone (MIB	< 34 ug/kg	NT	< 34 ug/kg	NT	< 40 ug/kg	NT
Acetone	65 ug/kg BJ	NT	< 34 ug/kg	NT	190 ug/kg	NT
Benzene	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Bromodichloromethane	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Bromoform	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Bromomethane(MethylBromid	< 34 ug/kg	NT	< 34 ug/kg	NT	< 40 ug/kg	NT
Carbon Disulfide	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Carbon Tetrachloride	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Chlorobenzene	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Chloroethane	< 34 ug/kg	NT	< 34 ug/kg	NT	< 40 ug/kg	NT
Chloroform	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Chloromethane (Methyl Chl	< 34 ug/kg	NT	< 34 ug/kg	NT	< 40 ug/kg	NT
cis-1,3-Dichloropropene	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Dibromochloromethane	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Ethylbenzene	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Methylene Chloride	9 ug/kg JB J	NT	17 ug/kg B J	NT	< 21 ug/kg Bu	NT
Styrene	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Tetrachloroethene (PCE)	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Toluene	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Trans-1,3-Dichloropropene	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Trichloroethene (TCE)	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Vinyl Chloride	< 34 ug/kg	NT	< 34 ug/kg	NT	< 40 ug/kg	NT
Xylenes, Total	< 17 ug/kg	NT	< 17 ug/kg	NT	< 20 ug/kg	NT
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
1,2-Dichlorobenzene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
1,3-Dichlorobenzene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"U" = QL Not Demonstrably Below The Applicable Criteria

Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	EBG-SED	EBG-SED	SED-02	SED-02	SED-A4	SED-A4
Sample ID:		Leach of 1410286		Leach of 1410086		Leach of 1409843
Sampling Date:	05/02/94	05/02/94	04/28/94	04/28/94	04/27/94	04/27/94
Sample Number:	1410286	1410287	1410086	1410087	1409843	1409844
Cross Ref Sample:						
Semi-Volatile Organics						
1,4-Dichlorobenzene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2,2'-oxybis(1-Chloropropa	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2,4,5-Trichlorophenol	< 11000 ug/kg	NT	< 12000 ug/kg	NT	< 13000 ug/kg	NT
2,4,6-Trichlorophenol	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2,4-Dichlorophenol	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2,4-Dimethylphenol	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2,4-Dinitrophenol	< 11000 ug/kg	NT	< 12000 ug/kg	NT	< 13000 ug/kg	NT
2,4-Dinitrotoluene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2,6-Dinitrotoluene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2-Chloronaphthalene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2-Chlorophenol	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2-Methylnaphthalene	960 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2-Methylphenol (o-Cresol)	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
2-Nitroaniline	< 11000 ug/kg	NT	< 12000 ug/kg	NT	< 13000 ug/kg	NT
2-Nitrophenol	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
3,3'-Dichlorobenzidine	< 4400 ug/kg	NT	< 4600 ug/kg	NT	< 5200 ug/kg	NT
3-Nitroaniline	< 11000 ug/kg	NT	< 12000 ug/kg	NT	< 13000 ug/kg	NT
4,6-Dinitro-2-methylpheno	< 11000 ug/kg	NT	< 12000 ug/kg	NT	< 13000 ug/kg	NT
4-Bromophenyl-phenylether	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
4-Chloro-3-methylphenol	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
4-Chloroaniline	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
4-Chlorophenyl-phenylethe	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
4-Methylphenol(p-Cresol)	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
4-Nitroaniline	< 11000 ug/kg	NT	< 12000 ug/kg	NT	< 13000 ug/kg	NT
4-Nitrophenol	< 11000 ug/kg	NT	< 12000 ug/kg	NT	< 13000 ug/kg	NT
Acenaphthene	320 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Acenaphthylene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Anthracene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Benzo(a)anthracene	260 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Benzo(a)Pyrene	270 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Benzo(b)fluoranthene	430 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Benzo(g,h,i)perylene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Benzo(k)fluoranthene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
bis(2-Chloroethoxy)methan	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
bis(2-Chloroethyl)ether	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
bis(2-EthylHexyl)phthalat	420 ug/kg J	NT	360 ug/kg J	NT	490 ug/kg J	NT
Butylbenzylphthalate	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Carbazole	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Chrysene	330 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT

NT=Not Tested
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Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	EBG-SED	EBG SED Leach of 1410286	SED-02	SED-02 Leach of 1410086	SED-A4	SED A4 Leach of 1409843
Sample ID:						
Sampling Date:	05/02/94	05/02/94	04/28/94	04/28/94	04/27/94	04/27/94
Sample Number:	1410286	1410287	1410086	1410087	1409843	1409844
Cross Ref Sample:						
Semi-Volatile Organics						
Di-n-butylphthalate	230 ug/kg J	NT	< 660 ug/kg JBu	NT	280 ug/kg J	NT
Di-n-octylphthalate	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Dibenzo(a,h)anthracene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Dibenzofuran	330 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Diethylphthalate	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Dimethylphthalate	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Fluoranthene	770 ug/kg J	NT	280 ug/kg J	NT	280 ug/kg J	NT
Fluorene	290 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Hexachlorobenzene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Hexachlorobutadiene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Hexachlorocyclopentadiene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Hexachloroethane	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Indeno (1,2,3-cd) pyrene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Isophorone	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
N Nitroso di n propylamin	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
N Nitrosodiphenylamine (1	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Naphthalene	2700 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Nitrobenzene	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Pentachlorophenol	< 11000 ug/kg	NT	< 12000 ug/kg	NT	< 13000 ug/kg	NT
Phenanthrene	730 ug/kg J	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Phenol	< 2200 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Pyrene	500 ug/kg J	NT	250 ug/kg J	NT	290 ug/kg J	NT
Pyridine	< 950 ug/kg	NT	< 2300 ug/kg	NT	< 2600 ug/kg	NT
Pesticides and Herbicides						
2,4,5-TP	< 3300 ug/kg	NT	< 1700 ug/kg	NT	< 4000 ug/kg	NT
2,4-D	< 3300 ug/kg	NT	< 1700 ug/kg	NT	< 4000 ug/kg	NT
4,4'-DDD	0.57 ug/kg J|	NT	1.1 ug/kg J	NT	< 320 ug/kg	NT
4,4'-DDE	0.60 ug/kg J|	NT	1.0 ug/kg J	NT	< 320 ug/kg	NT
4,4'-DDT	0.51 ug/kg J|	NT	< 56 ug/kg uj	NT	< 320 ug/kg uj	NT
Aldrin	< 27 ug/kg	NT	< 28 ug/kg	NT	< 160 ug/kg	NT
Alpha-BHC	< 27 ug/kg	NT	< 28 ug/kg	NT	< 160 ug/kg	NT
Beta-BHC	< 27 ug/kg uj	NT	< 28 ug/kg uj	NT	< 160 ug/kg	NT
Chlordane	< 540 ug/kg	NT	< 560 ug/kg	NT	< 3200 ug/kg	NT
Delta-BHC	< 27 ug/kg	NT	< 28 ug/kg	NT	< 160 ug/kg	NT
Dieldrin	< 54 ug/kg	NT	< 56 ug/kg	NT	< 320 ug/kg	NT
Endosulfan I	< 27 ug/kg	NT	< 28 ug/kg	NT	< 160 ug/kg	NT
Endosulfan II	< 54 ug/kg	NT	< 56 ug/kg	NT	< 320 ug/kg	NT

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Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	EBG-SED	EBG-SED	SED-02	SED-02	SED-A4	SED-A4
Sample ID:		Leach of 1410286		Leach of 1410086		Leach of 1409843
Sampling Date:	05/02/94	05/02/94	04/28/94	04/28/94	04/27/94	04/27/94
Sample Number:	1410286	1410287	1410086	1410087	1409843	1409844
Cross Ref Sample:						
Pesticides and Herbicides						
Endosulfan Sulfate	< 54 ug/kg uj	NT	< 56 ug/kg uj	NT	< 320 ug/kg	NT
Endrin	< 54 ug/kg uj	NT	< 56 ug/kg uj	NT	< 320 ug/kg uj	NT
Endrin Aldehyde	8.3 ug/kg JJ	NT	< 56 ug/kg	NT	15 ug/kg J	NT
Gamma-BHC (Lindane)	< 27 ug/kg	NT	< 28 ug/kg	NT	< 160 ug/kg	NT
Heptachlor	< 27 ug/kg uj	NT	< 28 ug/kg uj	NT	< 160 ug/kg uj	NT
Heptachlor Epoxide	< 27 ug/kg	NT	< 28 ug/kg	NT	< 160 ug/kg	NT
Methoxychlor	< 270 ug/kg uj	NT	< 280 ug/kg uj	NT	< 1600 ug/kg uj	NT
PCB-1016	< 270 ug/kg	NT	< 280 ug/kg	NT	< 1600 ug/kg	NT
PCB-1221	< 270 ug/kg	NT	< 280 ug/kg	NT	< 1600 ug/kg	NT
PCB-1232	< 270 ug/kg	NT	< 280 ug/kg	NT	< 1600 ug/kg	NT
PCB-1242	< 270 ug/kg	NT	< 280 ug/kg	NT	< 1600 ug/kg	NT
PCB-1248	< 270 ug/kg	NT	< 280 ug/kg	NT	< 1600 ug/kg	NT
PCB-1254	< 540 ug/kg	NT	< 560 ug/kg	NT	< 3200 ug/kg	NT
PCB-1260	< 540 ug/kg	NT	< 560 ug/kg	NT	320 ug/kg J	NT
Toxaphene	< 540 ug/kg	NT	< 560 ug/kg	NT	< 3200 ug/kg	NT
Metals						
Arsenic	NT	0.262 mg/l	NT	0.215 mg/l	NT	0.220 mg/l
Barium	NT	0.705 mg/l j	NT	1.02 mg/l j	NT	1.12 mg/l
Cadmium	NT	< 0.005 mg/l	NT	< 0.005 mg/l	NT	< 0.005 mg/l
Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Copper	NT	< 0.02 mg/l	NT	< 0.02 mg/l	NT	< 0.02 mg/l
Hexavalent Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.02 mg/l
Lead	NT	< 0.1 mg/l	NT	< 0.1 mg/l	NT	< 0.1 mg/l
Mercury	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l
Selenium	NT	< 0.2 mg/l	NT	< 0.2 mg/l	NT	< 0.2 mg/l
Silver	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Zinc	NT	0.226 mg/l	NT	0.522 mg/l	NT	0.193 mg/l
Inorganic Non-metals						
Cyanide	< 0.167 mg/kg	NT	< 0.174 mg/kg	NT	< 0.400 mg/kg	NT
Sulfides as S	< 167 mg/kg uj	NT	< 174 mg/kg uj	NT	< 200 mg/kg uj	NT
Physical Properties						
% Solids	>0.5 %	NT	>0.5 %	NT	>0.5 %	NT
Total Solids	29.9 %	NT	28.7 %	NT	25.0 %	NT

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Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	EBG-SED	EBG SED	SED-02	SED-02	SED A4	SED A4
Sample ID:		Leach of 1410286		Leach of 1410086		Leach of 1409843
Sampling Date:	05/02/94	05/02/94	04/28/94	04/28/94	04/27/94	04/27/94
Sample Number:	1410286	1410287	1410086	1410087	1409843	1409844
Cross Ref Sample:						
Hazardous Parameters						
Ignitibility, As in 49CFR	PASSES	NT	PASSES	NT	passes	NT
Total Releasable Cyanide	< 0.100 mg/kg r	NT	< 0.100 mg/kg	NT	< 0.100 mg/kg	NT
Total Releasable Sulfide	< 50 mg/kg r	NT	< 50 mg/kg	NT	< 50 mg/kg	NT

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Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	SED-B5	SED-B5	SED-B5A	SED-B5A	SED-C8	SED-C8
Sample ID:		Leach of 1409845		Leach of 1409847		Leach of 1410088
Sampling Date:	04/27/94	04/27/94	04/27/94	04/27/94	04/28/94	04/28/94
Sample Number:	1409845	1409846	1409847	1409848	1410088	1410089
Cross Ref Sample:						
Volatile Organics						
1,1,1-Trichloroethane	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
1,1,2,2-Tetrachloroethane	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
1,1,2-Trichloroethane	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
1,1-Dichloroethane	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
1,1-Dichloroethene	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	< 5.0 ug/l uj
1,2-Dichloroethane	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	< 5.0 ug/l uj
1,2-Dichloroethene(total)	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
1,2-Dichloropropane	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
2-Butanone (MEK)	< 46 ug/kg	NT	< 50 ug/kg	NT	< 30 ug/kg	< 10.0 ug/l uj
2-Hexanone	< 46 ug/kg	NT	< 50 ug/kg	NT	< 30 ug/kg	NT
4-Methyl-2-Pentanone (MIB	< 46 ug/kg	NT	< 50 ug/kg	NT	< 30 ug/kg	NT
Acetone	< 110 ug/kg u	NT	< 130 ug/kg u	NT	53 ug/kg B	NT
Benzene	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	5 ug/l j
Bromodichloromethane	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Bromoform	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Bromomethane(MethylBromid	< 46 ug/kg	NT	< 50 ug/kg	NT	< 30 ug/kg	NT
Carbon Disulfide	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Carbon Tetrachloride	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	< 5.0 ug/l uj
Chlorobenzene	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	< 5.0 ug/l uj
Chloroethane	< 46 ug/kg	NT	< 50 ug/kg	NT	< 30 ug/kg	NT
Chloroform	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	< 5.0 ug/l uj
Chloromethane (Methyl Chl	< 46 ug/kg	NT	< 50 ug/kg	NT	< 30 ug/kg	NT
cis-1,3-Dichloropropene	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Dibromochloromethane	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Ethylbenzene	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Methylene Chloride	< 22 ug/kg JBu	NT	< 24 ug/kg JBu	NT	5 ug/kg JB j	NT
Styrene	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Tetrachloroethene (PCE)	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	< 5.0 ug/l uj
Toluene	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Trans-1,3-Dichloropropene	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Trichloroethene (TCE)	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	< 5.0 ug/l uj
Vinyl Chloride	< 46 ug/kg	NT	< 50 ug/kg	NT	< 30 ug/kg	< 10.0 ug/l uj
Xylenes, Total	< 23 ug/kg	NT	< 25 ug/kg	NT	< 15 ug/kg	NT
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
1,2-Dichlorobenzene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
1,3-Dichlorobenzene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT

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Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	SED-B5	SED-B5 Leach of 1409845	SED-B5A	SED-B5A Leach of 1409847	SED-C8	SED-C8 Leach of 1410088
Sample ID:						
Sampling Date:	04/27/94	04/27/94	04/27/94	04/27/94	04/28/94	04/28/94
Sample Number:	1409845	1409846	1409847	1409848	1410088	1410089
Cross Ref Sample:						
Semi-Volatile Organics						
1,4-Dichlorobenzene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l
2,2'-oxybis(1-Chloroprope	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
2,4,5-Trichlorophenol	< 7500 ug/kg	NT	< 8000 ug/kg	NT	< 9500 ug/kg	< 100 ug/l
2,4,6-Trichlorophenol	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l
2,4 Dichlorophenol	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
2,4 Dimethylphenol	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
2,4 Dinitrophenol	< 7500 ug/kg	NT	< 8000 ug/kg	NT	< 9500 ug/kg	NT
2,4 Dinitrotoluene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l
2,6 Dinitrotoluene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
2-Chloronaphthalene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
2 Chlorophenol	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
2-Methylnaphthalene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
2 Methylphenol (o-Cresol)	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l
2 Nitroaniline	< 7500 ug/kg	NT	< 8000 ug/kg	NT	< 9500 ug/kg	NT
2 Nitrophenol	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
3,3' Dichlorobenzidine	< 3000 ug/kg	NT	< 3200 ug/kg	NT	< 3800 ug/kg	NT
3 Methyl phenol (m Cresol	NT	NT	NT	NT	NT	< 20 ug/l
3 Nitroaniline	< 7500 ug/kg	NT	< 8000 ug/kg	NT	< 9500 ug/kg	NT
4,6 Dinitro 2-methylpheno	< 7500 ug/kg	NT	< 8000 ug/kg	NT	< 9500 ug/kg	NT
4 Bromophenyl-phenylether	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
4 Chloro-3-methylphenol	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
4 Chloroaniline	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
4-Chlorophenyl-phenylethe	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
4 Methylphenol(p-Cresol)	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l
4 Nitroaniline	< 7500 ug/kg	NT	< 8000 ug/kg	NT	< 9500 ug/kg	NT
4-Nitrophenol	< 7500 ug/kg	NT	< 8000 ug/kg	NT	< 9500 ug/kg	NT
Acenaphthene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Acenaphthylene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Anthracene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Benzo(a)anthracene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Benzo(a)Pyrene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Benzo(b)fluoranthene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Benzo(g,h,i)perylene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Benzo(k)fluoranthene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
bis(2-Chloroethoxy)methan	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
bis(2-Chloroethyl)ether	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
bis(2-EthylHexyl)phthalat	250 ug/kg J	NT	260 ug/kg J	NT	910 ug/kg J	NT
Butylbenzylphthalate	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Carbazole	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT

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Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	SED-B5	SED-B5	SED-B5A	SED-B5A	SED-C8	SED-C8
Sample ID:		Leach of 1409845		Leach of 1409847		Leach of 1410088
Sampling Date:	04/27/94	04/27/94	04/27/94	04/27/94	04/28/94	04/28/94
Sample Number:	1409845	1409846	1409847	1409848	1410088	1410089
Cross Ref Sample:						
Semi-Volatile Organics						
Chrysene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Di-n-butylphthalate	380 ug/kg J	NT	380 ug/kg J	NT	3400 ug/kg B	NT
Di-n-octylphthalate	< 1500 ug/kg	NT	< 1600 ug/kg	NT	200 ug/kg J	NT
Dibenzo(a,h)anthracene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Dibenzofuran	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Diethylphthalate	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Dimethylphthalate	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Fluoranthene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Fluorene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Hexachlorobenzene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l
Hexachlorobutadiene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l
Hexachlorocyclopentadiene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Hexachloroethane	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l
Indeno (1,2,3-cd) pyrene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Isophorone	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
N-Nitroso-di-n-propylamin	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
N-Nitrosodiphenylamine (1	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Naphthalene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Nitrobenzene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l
O,M,P Cresol (Total Creso	NT	NT	NT	NT	NT	< 20 ug/l
Pentachlorophenol	< 7500 ug/kg	NT	< 8000 ug/kg	NT	< 9500 ug/kg	< 100 ug/l
Phenanthrene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Phenol	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Pyrene	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	NT
Pyridine	< 1500 ug/kg	NT	< 1600 ug/kg	NT	< 1900 ug/kg	< 20 ug/l uj
Pesticides and Herbicides						
2,4,5-TP	< 4500 ug/kg	NT	< 5000 ug/kg	NT	< 590 ug/kg	< 20 ug/l
2,4-D	< 4500 ug/kg	NT	< 5000 ug/kg	NT	< 590 ug/kg	< 20 ug/l
4,4'-DDD	< 72 ug/kg	NT	< 80 ug/kg	NT	< 48 ug/kg	NT
4,4'-DDE	< 72 ug/kg	NT	< 80 ug/kg	NT	< 48 ug/kg	NT
4,4'-DDT	< 72 ug/kg uj	NT	< 80 ug/kg uj	NT	1.8 ug/kg Jj	NT
Aldrin	< 36 ug/kg	NT	< 40 ug/kg	NT	< 24 ug/kg	NT
Alpha-BHC	< 36 ug/kg	NT	< 40 ug/kg	NT	< 24 ug/kg	NT
Beta-BHC	< 36 ug/kg	NT	< 40 ug/kg	NT	< 24 ug/kg uj	NT
Chlordane	< 720 ug/kg	NT	< 800 ug/kg	NT	< 480 ug/kg	< 2.0 ug/l
Delta-BHC	< 36 ug/kg	NT	< 40 ug/kg	NT	< 24 ug/kg	NT
Dieldrin	< 72 ug/kg	NT	< 80 ug/kg	NT	< 48 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Printed: 09/25/94

Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	SED-B5	SED-B5	SED-B5A	SED-B5A	SED CB	SED CB
Sample ID:		Leach of 1409845		Leach of 1409847		Leach of 1410088
Sampling Date:	04/27/94	04/27/94	04/27/94	04/27/94	04/28/94	04/28/94
Sample Number:	1409845	1409846	1409847	1409848	1410088	1410089
Cross Ref Sample:						
Pesticides and Herbicides						
Endosulfan I	< 36 ug/kg	NT	< 40 ug/kg	NT	< 24 ug/kg	NT
Endosulfan II	< 72 ug/kg	NT	< 80 ug/kg	NT	< 48 ug/kg	NT
Endosulfan Sulfate	< 72 ug/kg	NT	< 80 ug/kg	NT	< 48 ug/kg uj	NT
Endrin	< 72 ug/kg uj	NT	< 80 ug/kg uj	NT	< 48 ug/kg uj	< 0.20 ug/l uj
Endrin Aldehyde	< 72 ug/kg	NT	< 80 ug/kg	NT	3.7 ug/kg J	NT
Gamma-BHC (Lindane)	< 36 ug/kg	NT	< 40 ug/kg	NT	< 24 ug/kg	< 0.10 ug/l
Heptachlor	< 36 ug/kg uj	NT	< 40 ug/kg uj	NT	< 24 ug/kg uj	< 0.10 ug/l
Heptachlor Epoxide	< 36 ug/kg	NT	< 40 ug/kg	NT	< 24 ug/kg	< 0.10 ug/l
Methoxychlor	< 360 ug/kg uj	NT	< 400 ug/kg uj	NT	< 240 ug/kg uj	< 1.0 ug/l
PCB-1016	< 360 ug/kg	NT	< 400 ug/kg	NT	< 240 ug/kg	NT
PCB 1221	< 360 ug/kg	NT	< 400 ug/kg	NT	< 240 ug/kg	NT
PCB-1232	< 360 ug/kg	NT	< 400 ug/kg	NT	< 240 ug/kg	NT
PCB 1242	< 360 ug/kg	NT	< 400 ug/kg	NT	< 240 ug/kg	NT
PCB 1248	< 360 ug/kg	NT	< 400 ug/kg	NT	< 240 ug/kg	NT
PCB 1254	< 720 ug/kg	NT	< 800 ug/kg	NT	< 480 ug/kg	NT
PCB 1260	< 720 ug/kg	NT	< 800 ug/kg	NT	< 480 ug/kg	NT
Toxaphene	< 720 ug/kg	NT	< 800 ug/kg	NT	< 480 ug/kg	< 10 ug/l
Metals						
Arsenic	NT	0.235 mg/l	NT	< 0.2 mg/l	NT	0.212 mg/l
Barium	NT	0.869 mg/l	NT	0.757 mg/l	NT	0.684 mg/l J
Cadmium	NT	< 0.005 mg/l	NT	< 0.005 mg/l	NT	< 0.005 mg/l
Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Copper	NT	< 0.02 mg/l	NT	< 0.02 mg/l	NT	< 0.02 mg/l
Hexavalent Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Lead	NT	< 0.1 mg/l	NT	< 0.1 mg/l	NT	< 0.1 mg/l
Mercury	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l
Selenium	NT	< 0.2 mg/l	NT	< 0.2 mg/l	NT	< 0.2 mg/l
Silver	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Zinc	NT	0.119 mg/l	NT	0.097 mg/l	NT	0.066 mg/l
Inorganic Non-metals						
Cyanide	0.230 mg/kg J	NT	0.250 mg/kg J	NT	< 0.148 mg/kg	NT
Sulfides as S	< 230 mg/kg uj	NT	< 250 mg/kg uj	NT	< 148 mg/kg uj	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"u" = QL Not Demonstrably Below The Applicable Criteria

Table 7

Sediment Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	SED-B5	SED-B5	SED-B5A	SED-B5A	SED-C8	SED-C8
Sample ID:		Leach of 1409845		Leach of 1409847		Leach of 1410088
Sampling Date:	04/27/94	04/27/94	04/27/94	04/27/94	04/28/94	04/28/94
Sample Number:	1409845	1409846	1409847	1409848	1410088	1410089
Cross Ref Sample:						
Physical Properties						
% Solids	>0.5 %	NT	>0.5 %	NT	>0.5 %	NT
Total Solids	21.7 %	NT	20.0 %	NT	33.7 %	NT
Hazardous Parameters						
Ignitibility, As in 49CFR	passes	NT	passes	NT	PASSES	NT
Total Releasable Cyanide	< 0.100 mg/kg	NT	< 0.100 mg/kg	NT	< 0.100 mg/l	NT
Total Releasable Sulfide	< 50 mg/kg	NT	< 50 mg/kg	NT	< 50 mg/l	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PM-1-1 S-1/2-3	PM-1-1 S-1/2-3	PM-1-1 S-2/5.5-6.5	PM-1-1 S-2/5.5-6.5	PM-1-3 S-1/2-3	PM-1-3 S-1/2-3
Sample ID:		Leach of 1410660		Leach of 1410662		Leach of 1410664
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410660	1410661	1410662	1410663	1410664	1410665
Cross Ref Sample:						
Volatile Organics						
Styrene	..	..	..	..	3 ug/kg J	..
Pesticides and Herbicides						
4,4' DDE	..	..	..	..	0.13 ug/kg J	..
Endosulfan Sulfate	..	..	0.30 ug/kg J	..	..	..
Endrin	..	..	..	..	0.49 ug/kg J	..
Heptachlor Epoxide	0.25 ug/kg J	..	..	..	..	..
Metals						
Arsenic	..	..	..	0.295 mg/l	..	..
Barium	..	0.673 mg/l	..	0.734 mg/l	..	0.541 mg/l
Zinc	..	0.260 mg/l	..	0.102 mg/l	..	0.255 mg/l
Physical Properties						
% Solids	>0.5 %	..	>0.5 %	..	>0.5 %	..
Total Solids	80.0 %	..	83.8 %	..	83.1 %	..
Hazardous Parameters						
Ignitibility, As in 49CFR	PASSES	..	PASSES	..	PASSES	..

* * = NOT TESTED OR NOT DETECTED
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-3 S-2/6-7	PH-1-3 S-2/6-7	PH-1-4 S-1/2-3	PH-1-4 S-1/2-3	PH-1-4 S-2/5-6	PH-1-4 S-2/5-6
Sample ID:		Leach of 1410666		Leach of 1410668		Leach of 1410670
Sampling Date:	05/05/94	05/05/94	05/04/94	05/04/94	05/04/94	05/04/94
Sample Number:	1410666	1410667	1410668	1410669	1410670	1410671
Cross Ref Sample:						
Semi-Volatile Organics						
Butylbenzylphthalate	.99 ug/kg J	..	..	..	..	..
Pesticides and Herbicides						
Endrin	..	..	0.15 ug/kg J	..	0.29 ug/kg J	..
Heptachlor Epoxide	..	..	0.27 ug/kg J	..	..	..
Metals						
Arsenic	..	0.231 mg/l	..	0.206 mg/l	..	0.372 mg/l
Barium	..	1.24 mg/l	..	0.906 mg/l	..	0.542 mg/l
Copper	..	0.024 mg/l J	..	..	..	..
Selenium	..	..	..	..	..	0.213 mg/l
Zinc	..	1.13 mg/l	..	0.371 mg/l	..	0.333 mg/l
Physical Properties						
% Solids	>0.5 %	..	>0.5 %	..	>0.5 %	..
Total Solids	86.4 %	..	77.2 %	..	89.0 %	..
Hazardous Parameters						
Ignitibility, As in 49CFR	PASSES	..	PASSES	..	PASSES	..

* * = NOT TESTED OR NOT DETECTED
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PM-1-5 S-1/4-5	PM-1-5 S-1/4-5	PM-1-5 S-2/6-7	PM 1-5 S-2/6-7	PM-1-6 S-1/1-2	PM-1-6 S-1/1 2
Sample ID:		Leach of 1410672		Leach of 1410674		Leach of 1410676
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410672	1410673	1410674	1410675	1410676	1410677
Cross Ref Sample:						
Pesticides and Herbicides						
4,4'-DDE	0.55 ug/kg J	..	0.66 ug/kg J	..	..	..
4,4'-DDT	0.77 ug/kg JJ	..	..	..	..	..
Delta-BHC	0.27 ug/kg J	..	0.22 ug/kg J	..	..	..
Endosulfan Sulfate	..	..	..	..	0.24 ug/kg J	..
Heptachlor	1.6 ug/kg J	..	1.8 ug/kg J	..	..	..
Heptachlor Epoxide	..	..	..	..	0.21 ug/kg J	..
PCB-1248	56 ug/kg J	..	69 ug/kg J	..	..	..
Metals						
Arsenic	..	0.200 mg/l	..	..	..	0.258 mg/l
Barium	..	0.555 mg/l	..	0.569 mg/l	..	0.694 mg/l
Copper	..	0.031 mg/l J	..	0.022 mg/l J	..	..
Zinc	..	0.323 mg/l	..	0.338 mg/l	..	0.208 mg/l
Physical Properties						
% Solids	>0.5 %	..	>0.5 %	..	>0.5 %	..
Total Solids	78.7 %	..	77.5 %	..	81.9 %	..
Hazardous Parameters						
Ignitibility, As in 49CFR	PASSES	..	PASSES	..	PASSES	..

* * = NOT TESTED OR NOT DETECTED
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (GW)	PH1-1	PH1-1	PH1-3	PH1-4	PH1-5
Sample ID:						
Sampling Date:		05/11/94	05/16/94	05/11/94	05/11/94	05/11/94
Sample Number:		1411051 1411050	1411430	1411049 1411048	1411045 1411044	1411043 1411042
Semi-Volatile Organics						
1,4-Dichlorobenzene	1.50	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2,2'-oxybis(1-Chloropropane)	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2,4,5-Trichlorophenol	700.00	NT	< 55 ug/l	< 50 ug/l	< 50 ug/l	< 50 ug/l
2,4,6-Trichlorophenol	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2,4-Dichlorophenol	21.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2,4-Dimethylphenol	350.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2,4-Dinitrophenol	m 20.0	NT	< 55 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
2,4-Dinitrotoluene	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2,6-Dinitrotoluene	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2-Chloronaphthalene	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2-Chlorophenol	43.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2-Methylnaphthalene	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2-Methylphenol (o-Cresol)	350.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2-Nitroaniline	m 20.0	NT	< 55 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
2-Nitrophenol	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
3,3'-Dichlorobenzidine	m 20.00	NT	< 22 ug/l G	< 20 ug/l	< 20 ug/l	< 20 ug/l
3-Nitroaniline	m 20.0	NT	< 55 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
4,6-Dinitro-2-methylphenol	m 20.0	NT	< 55 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
4-Bromophenyl-phenylether	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
4-Chloro-3-methylphenol	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
4-Chloroaniline	m 20.0	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
4-Chlorophenyl-phenylether	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
4-Methylphenol(p-Cresol)	35.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
4-Nitroaniline	m 20.0	NT	< 55 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
4-Nitrophenol	m 20.0	NT	< 55 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
Acenaphthene	1200.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Acenaphthylene	25.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Anthracene	7000.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Benzo(a)anthracene	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Benzo(a)Pyrene	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Benzo(b)fluoranthene	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Benzo(g,h,i)perylene	25.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Benzo(k)fluoranthene	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
bis(2-Chloroethoxy)methane	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
bis(2-Chloroethyl)ether	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
bis(2-EthylHexyl)phthalate	m 5.00	NT	69 ug/l g	1 ug/l J	4 ug/l J	< 10 ug/l G
Butylbenzylphthalate	1100.00	NT	1 ug/l J	< 10 ug/l	< 10 ug/l	< 10 ug/l
Carbazole	m 10.0	NT	< 11 ug/l G	< 10 ug/l	< 10 ug/l	< 10 ug/l
Chrysene	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Printed: 09/28/94

Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		PH1-1	PH1-1	PH1-3	PH1-4	PH1-5
Sample ID:	Applicable					
Sampling Date:	Standards	05/11/94	05/16/94	05/11/94	05/11/94	05/11/94
Sample Number:	(GW)	1411051	1411430	1411049	1411045	1411043
		1411050		1411048	1411044	1411042
Semi-Volatile Organics						
Di-n-butylphthalate	840.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Di-n-octylphthalate	130.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Dibenzo(a,h)anthracene	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Dibenzofuran	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Diethylphthalate	5200.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Dimethylphthalate	70000.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Fluoranthene	840.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Fluorene	840.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Hexachlorobenzene	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Hexachlorobutadiene	m 0.1	NT	< 11 ug/l GQ	< 10 ug/l GQ	< 10 ug/l GQ	< 10 ug/l GQ
Hexachlorocyclopentadiene	50.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Hexachloroethane	m 5.0	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Indeno (1,2,3-cd) pyrene	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Isophorone	38.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
N Nitroso-di-n-propylamine	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
N Nitrosodiphenylamine (1)	7.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Naphthalene	250.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Nitrobenzene	m 5.00	NT	< 11 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Pentachlorophenol	m 1.00	NT	< 55 ug/l GQ	< 50 ug/l GQ	< 50 ug/l GQ	< 50 ug/l GQ
Phenanthrene	25.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Phenol	4200.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Pyrene	520.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Pesticides and Herbicides						
2,4,5-TP	52.00	NT	< 0.2 ug/l	< 0.1 ug/l	< 0.1 ug/l	< 0.1 ug/l
2,4-D	70.00	NT	< 0.2 ug/l	< 0.1 ug/l	< 0.1 ug/l	< 0.1 ug/l
4,4'-DDD	0.15	NT	< 0.17 ug/l G	< 0.12 ug/l	< 0.1 ug/l	< 0.1 ug/l
4,4'-DDE	0.10	NT	< 0.17 ug/l G	< 0.12 ug/l G	< 0.1 ug/l	< 0.1 ug/l
4,4'-DDT	0.10	NT	< 0.17 ug/l G	< 0.12 ug/l G	< 0.1 ug/l	< 0.1 ug/l
Aldrin	m 0.01	NT	< 0.083 ug/l G	< 0.059 ug/l G	< 0.05 ug/l G	< 0.05 ug/l G
Alpha-BHC	m 0.01	NT	< 0.083 ug/l GQ	< 0.059 ug/l GQ	< 0.05 ug/l G	< 0.05 ug/l GQ
Beta-BHC	m 0.01	NT	< 0.083 ug/l G	< 0.059 ug/l G	< 0.05 ug/l G	< 0.05 ug/l G
Chlordane	0.027	NT	< 1.7 ug/l G	< 1.2 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G
Delta-BHC	m 0.01	NT	< 0.083 ug/l G	< 0.059 ug/l G	< 0.05 ug/l G	< 0.05 ug/l G
Dieldrin	m 0.02	NT	< 0.17 ug/l G	0.0040 ug/l J J	0.0032 ug/l J	< 0.1 ug/l G
Endosulfan I	1.60	NT	< 0.083 ug/l	< 0.059 ug/l	< 0.05 ug/l	< 0.05 ug/l
Endosulfan II	1.60	NT	< 0.17 ug/l	< 0.12 ug/l	< 0.1 ug/l	< 0.1 ug/l
Endosulfan Sulfate	m 0.02	NT	< 0.17 ug/l G	< 0.12 ug/l G	< 0.1 ug/l G	< 0.1 ug/l G

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		PH1-1	PH1-1	PH1-3	PH1-4	PH1-5
Sample ID:	Applicable					
Sampling Date:	Standards	05/11/94	05/16/94	05/11/94	05/11/94	05/11/94
Sample Number:	(GW)	1411051	1411430	1411049	1411045	1411043
		1411050		1411048	1411044	1411042
Pesticides and Herbicides						
Endrin	1.20	NT	< 0.17 ug/l	< 0.12 ug/l	< 0.1 ug/l	< 0.1 ug/l
Endrin Aldehyde	m 0.02	NT	< 0.17 ug/l G	< 0.12 ug/l G	< 0.1 ug/l G	< 0.1 ug/l G
Gamma-BHC (Lindane)	0.027	NT	< 0.083 ug/l G	< 0.059 ug/l G	0.011 ug/l J	0.013 ug/l J j
Heptachlor	m 0.01	NT	< 0.083 ug/l G	< 0.059 ug/l G	< 0.05 ug/l G	< 0.05 ug/l G
Heptachlor Epoxide	m 0.01	NT	< 0.083 ug/l G	< 0.059 ug/l G	< 0.05 ug/l G	< 0.05 ug/l G
Methoxychlor	35.00	NT	< 0.83 ug/l	< 0.59 ug/l	< 0.5 ug/l	< 0.5 ug/l
PCB-1016	m 0.20	NT	< 0.83 ug/l G	< 0.59 ug/l G	< 0.5 ug/l G	< 0.5 ug/l G
PCB-1221	m 0.20	NT	< 0.83 ug/l G	< 0.59 ug/l G	< 0.5 ug/l G	< 0.5 ug/l G
PCB-1232	m 0.20	NT	< 0.83 ug/l G	< 0.59 ug/l G	< 0.5 ug/l G	< 0.5 ug/l G
PCB-1242	m 0.20	NT	< 0.83 ug/l G	< 0.59 ug/l G	< 0.5 ug/l G	< 0.5 ug/l G
PCB-1248	m 0.20	NT	< 0.83 ug/l G	< 0.59 ug/l G	< 0.5 ug/l G	< 0.5 ug/l G
PCB-1254	m 0.20	NT	< 1.7 ug/l G	< 1.2 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G
PCB-1260	m 0.20	NT	< 1.7 ug/l G	< 1.2 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G
Toxaphene	m 1.00	NT	< 1.7 ug/l G	< 1.2 ug/l G	< 1.0 ug/l	< 1.0 ug/l
Metals						
Arsenic	FILTER m 0.001	< 0.005 mg/l GQ	NT	< 0.005 mg/l GQ	< 0.005 mg/l GQ	0.005 mg/l g
Barium	FILTER 2.4	0.069 mg/l	NT	< 0.05 mg/l	0.103 mg/l	0.065 mg/l
Cadmium	FILTER 0.0035	< 0.005 mg/l G	NT	< 0.005 mg/l G	< 0.005 mg/l G	< 0.005 mg/l G
Copper	FILTER 1.0	< 0.02 mg/l	NT	< 0.02 mg/l	< 0.02 mg/l	< 0.02 mg/l
Hexavalent Chromium	FILTER 0.12	< 0.01 mg/l	NT	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l
Lead	FILTER 0.004	< 0.002 mg/l	NT	< 0.002 mg/l	< 0.002 mg/l	< 0.002 mg/l
Mercury	FILTER 0.0021	< 0.0002 mg/l	NT	< 0.0002 mg/l	< 0.0002 mg/l	< 0.0002 mg/l
Selenium	FILTER 0.035	< 0.002 mg/l	NT	< 0.002 mg/l	< 0.002 mg/l	< 0.002 mg/l
Silver	FILTER 0.033	< 0.01 mg/l	NT	< 0.01 mg/l	< 0.01 mg/l	< 0.01 mg/l
Zinc	FILTER 2.3	< 0.02 mg/l	NT	< 0.02 mg/l	< 0.02 mg/l	0.020 mg/l

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Printed: 09/28/94

Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		PM1-6	PM-1-6
Sample ID:	Applicable		
Sampling Date:	Standards	05/11/94	05/16/94
Sample Number:	(GW)	1411047	1411429
		1411046	
Volatile Organics			
1,1,1-Trichloroethane	200.00	< 5 ug/l	NT
1,1,2,2-Tetrachloroethane	m 1.00	< 5 ug/l Q	NT
1,1,2-Trichloroethane	m 1.00	< 5 ug/l Q	NT
1,1 Dichloroethane	840.00	< 5 ug/l	NT
1,1-Dichloroethene	7.0	< 5 ug/l	NT
1,2-Dichloroethane	m 1.00	< 5 ug/l Q	NT
1,2 Dichloroethene(total)	77.0	< 5 ug/l	NT
1,2-Dichloropropane	m 1.00	< 5 ug/l Q	NT
2-Butanone (MEK)	320.00	< 10 ug/l	NT
2-Hexanone	980.00	< 10 ug/l	NT
4-Methyl-2-Pentanone (MIBK)	350.00	< 10 ug/l	NT
Acetone	700.00	< 18 ug/l u	NT
Benzene	1.20	< 5 ug/l Q	NT
Bromodichloromethane	m 1.00	< 5 ug/l Q	NT
Bromoform	4.60	< 5 ug/l Q	NT
Bromomethane(MethylBromide)	9.80	< 10 ug/l Q	NT
Carbon Disulfide	770.00	< 5 ug/l	NT
Carbon Tetrachloride	m 1.00	< 5 ug/l Q	NT
Chlorobenzene	130.00	< 5 ug/l	NT
Chloroethane	9.10	< 10 ug/l Q	NT
Chloroform	5.60	< 5 ug/l	NT
Chloromethane (Methyl Chlorid	2.70	< 10 ug/l Q	NT
cis-1,3-Dichloropropene	m 1.00	< 5 ug/l Q	NT
Dibromochloromethane	m 1.00	< 5 ug/l Q	NT
Ethylbenzene	680.00	3 ug/l J	NT
Methylene Chloride	4.60	< 5 ug/l JBu Q	NT
Styrene	1.20	< 5 ug/l Q	NT
Tetrachloroethene (PCE)	m 1.00	< 5 ug/l Q	NT
Toluene	1500.00	< 5 ug/l	NT
Trans-1,3-Dichloropropene	m 1.00	< 5 ug/l Q	NT
Trichloroethene (TCE)	2.20	3 ug/l J g	NT
Vinyl Chloride	m 1.00	< 10 ug/l Q	NT
Xylenes, Total	13000.00	34 ug/l	NT
Semi-Volatile Organics			
1,2,4-Trichlorobenzene	110.00	NT	< 10 ug/l
1,2-Dichlorobenzene	600.00	NT	< 10 ug/l
1,3-Dichlorobenzene	600.00	NT	< 10 ug/l

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		PH1-6	PH-1-6
Sample ID:	Applicable		
Sampling Date:	Standards	05/11/94	05/16/94
Sample Number:	(GW)	1411047	1411429
		1411046	
Semi-Volatile Organics			
1,4-Dichlorobenzene	1.50	NT	< 10 ug/l G
2,2'-oxybis(1-Chloropropane)	m 5.0	NT	< 10 ug/l G
2,4,5-Trichlorophenol	700.00	NT	< 50 ug/l
2,4,6-Trichlorophenol	m 5.00	NT	< 10 ug/l G
2,4-Dichlorophenol	21.00	NT	< 10 ug/l
2,4-Dimethylphenol	350.00	NT	< 10 ug/l
2,4-Dinitrophenol	m 20.0	NT	< 50 ug/l G
2,4-Dinitrotoluene	m 5.00	NT	< 10 ug/l G
2,6-Dinitrotoluene	m 5.0	NT	< 10 ug/l G
2-Chloronaphthalene	m 5.0	NT	< 10 ug/l G
2-Chlorophenol	43.00	NT	< 10 ug/l
2-Methylnaphthalene	m 5.0	NT	< 10 ug/l G
2-Methylphenol (o-Cresol)	350.00	NT	< 10 ug/l
2-Nitroaniline	m 20.0	NT	< 50 ug/l G
2-Nitrophenol	m 5.0	NT	< 10 ug/l G
3,3'-Dichlorobenzidine	m 20.00	NT	< 20 ug/l
3-Nitroaniline	m 20.0	NT	< 50 ug/l G
4,6-Dinitro-2-methylphenol	m 20.0	NT	< 50 ug/l G
4-Bromophenyl-phenylether	m 5.0	NT	< 10 ug/l G
4-Chloro-3-methylphenol	m 5.0	NT	< 10 ug/l G
4-Chloroaniline	m 20.0	NT	< 10 ug/l
4-Chlorophenyl-phenylether	m 5.0	NT	< 10 ug/l G
4-Methylphenol(p-Cresol)	35.00	NT	< 10 ug/l
4-Nitroaniline	m 20.0	NT	< 50 ug/l G
4-Nitrophenol	m 20.0	NT	< 50 ug/l G
Acenaphthene	1200.00	NT	< 10 ug/l
Acenaphthylene	25.00	NT	< 10 ug/l
Anthracene	7000.00	NT	< 10 ug/l
Benzo(a)anthracene	m 5.00	NT	< 10 ug/l G
Benzo(a)Pyrene	m 5.00	NT	< 10 ug/l G
Benzo(b)fluoranthene	m 5.00	NT	< 10 ug/l G
Benzo(g,h,i)perylene	25.00	NT	< 10 ug/l
Benzo(k)fluoranthene	m 5.00	NT	< 10 ug/l G
bis(2-Chloroethoxy)methane	m 5.0	NT	< 10 ug/l G
bis(2-Chloroethyl)ether	m 5.00	NT	< 10 ug/l G
bis(2-EthylHexyl)phthalate	m 5.00	NT	3 ug/l J
Butylbenzylphthalate	1100.00	NT	1 ug/l J
Carbazole	m 10.0	NT	< 10 ug/l
Chrysene	m 5.00	NT	< 10 ug/l G

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		PM1-6	PM-1-6
Sample ID:	Applicable		
Sampling Date:	Standards	05/11/94	05/16/94
Sample Number:	(GW)	1411047	1411429
		1411046	
Semi-Volatile Organics			
Di-n-butylphthalate	840.00	NT	< 10 ug/l
Di-n-octylphthalate	130.00	NT	< 10 ug/l
Dibenzo(a,h)anthracene	m 5.00	NT	< 10 ug/l G
Dibenzofuran	m 5.00	NT	< 10 ug/l G
Diethylphthalate	5200.00	NT	< 10 ug/l
Dimethylphthalate	70000.00	NT	< 10 ug/l
Fluoranthene	840.00	NT	< 10 ug/l
Fluorene	840.00	NT	< 10 ug/l
Hexachlorobenzene	m 5.0	NT	< 10 ug/l G
Hexachlorobutadiene	m 0.1	NT	< 10 ug/l GQ
Hexachlorocyclopentadiene	50.00	NT	< 10 ug/l
Hexachloroethane	m 5.0	NT	< 10 ug/l G
Indeno (1,2,3-cd) pyrene	m 5.00	NT	< 10 ug/l G
Isophorone	38.00	NT	< 10 ug/l
N-Nitroso-di-n-propylamine	m 5.00	NT	< 10 ug/l G
N Nitrosodiphenylamine (1)	7.00	NT	< 10 ug/l G
Naphthalene	250.00	NT	< 10 ug/l
Nitrobenzene	m 5.00	NT	< 10 ug/l G
Pentachlorophenol	m 1.00	NT	< 50 ug/l GQ
Phenanthrene	25.00	NT	< 10 ug/l
Phenol	4200.00	NT	< 10 ug/l
Pyrene	520.00	NT	< 10 ug/l
Pesticides and Herbicides			
2,4,5-TP	52.00	NT	< 0.2 ug/l
2,4-D	70.00	NT	< 0.2 ug/l
4,4'-DDD	0.15	NT	< 0.11 ug/l
4,4'-DDE	0.10	NT	< 0.11 ug/l G
4,4'-DDT	0.10	NT	< 0.11 ug/l G
Aldrin	m 0.01	NT	< 0.057 ug/l G
Alpha-BHC	m 0.01	NT	< 0.057 ug/l GQ
Beta-BHC	m 0.01	NT	< 0.057 ug/l G
Chlordane	0.027	NT	< 1.1 ug/l G
Delta-BHC	m 0.01	NT	< 0.057 ug/l G
Dieldrin	m 0.02	NT	< 0.11 ug/l G
Endosulfan I	1.60	NT	< 0.057 ug/l
Endosulfan II	1.60	NT	< 0.11 ug/l
Endosulfan Sulfate	m 0.02	NT	< 0.11 ug/l G

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Printed: 09/28/94

Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		PH1-6	PH-1-6
Sample ID:	Applicable		
Sampling Date:	Standards	05/11/94	05/16/94
Sample Number:	(GW)	1411047	1411429
		1411046	

Pesticides and Herbicides

Endrin	1.20	NT	< 0.11 ug/l
Endrin Aldehyde	m 0.02	NT	< 0.11 ug/l G
Gamma-BHC (Lindane)	0.027	NT	< 0.057 ug/l G
Heptachlor	m 0.01	NT	< 0.057 ug/l G
Heptachlor Epoxide	m 0.01	NT	< 0.057 ug/l G
Methoxychlor	35.00	NT	< 0.57 ug/l
PCB-1016	m 0.20	NT	< 0.57 ug/l G
PCB-1221	m 0.20	NT	< 0.57 ug/l G
PCB-1232	m 0.20	NT	< 0.57 ug/l G
PCB-1242	m 0.20	NT	< 0.57 ug/l G
PCB-1248	m 0.20	NT	< 0.57 ug/l G
PCB-1254	m 0.20	NT	< 1.1 ug/l G
PCB-1260	m 0.20	NT	< 1.1 ug/l G
Toxaphene	m 1.00	NT	< 1.1 ug/l G

Metals

Arsenic	FILTER m 0.001	< 0.005 mg/l GQ	NT
Barium	FILTER 2.4	0.054 mg/l	NT
Cadmium	FILTER 0.0035	< 0.005 mg/l G	NT
Copper	FILTER 1.0	< 0.02 mg/l	NT
Hexavalent Chromium	FILTER 0.12	< 0.01 mg/l	NT
Lead	FILTER 0.004	< 0.002 mg/l	NT
Mercury	FILTER 0.0021	< 0.0002 mg/l	NT
Selenium	FILTER 0.035	< 0.002 mg/l	NT
Silver	FILTER 0.033	< 0.01 mg/l	NT
Zinc	FILTER 2.3	< 0.02 mg/l	NT

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 9

Surface Water Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (GSI)	EBG-SW	SW-02	SW-02	SW-C8	SW-C8 QA/QC
Sample ID:				Dup of 1410031		
Sampling Date:		05/02/94	04/28/94	04/28/94	04/28/94	04/28/94
Sample Number:		1410283	1410031 1410032	1410033	1410035 1410036	1410037 1410038
Volatile Organics						
Acetone	500.0	..	..	2 ug/l J	..	..
Semi-Volatile Organics						
bis(2-EthylHexyl)phthalate	59.0	2 ug/l J	1 ug/l J	..	2 ug/l J	1 ug/l J
Di-n-octylphthalate	m 5.0	..	..	..	..	5 ug/l J
Diethylphthalate	120000.0	13 ug/l	..	..	..	..
Pesticides and Herbicides						
2,4,5-TP	21.0	..	0.0065 ug/l J	0.018 ug/l J	0.043 ug/l J	..
2,4-D	47.0	..	0.077 ug/l J	0.060 ug/l J	..	..
Dieldrin	m 0.02	..	..	..	0.0018 ug/l J j	..
Metals						
Barium FILTER	0.630	..	0.051 mg/l	..	0.096 mg/l	0.096 mg/l

* * = NOT TESTED OR NOT DETECTED
(GSI) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GSI) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 9

Surface Water Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		EBQ-SW	SW-02	SW-02	SW-C8	SW-C8 QA/QC
Sample ID:	Applicable			Dup of 1410031		
Sampling Date:	Standards	05/02/94	04/28/94	04/28/94	04/28/94	04/28/94
Sample Number:	(GSI)	1410283	1410031	1410033	1410035	1410037
		1410284	1410032	1410034	1410036	1410038
Volatile Organics						
1,1,1-Trichloroethane	120.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
1,1,2,2-Tetrachloroethane	32.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
1,1,2-Trichloroethane	65.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
1,1 Dichloroethane	m 1.0	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
1,1 Dichloroethene	32.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
1,2 Dichloroethane	560.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
1,2-Dichloroethene(total)	m 1.0	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
1,2-Dichloropropane	64.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
2-Butanone (MEK)	4100.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2-Hexanone	50.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
4-Methyl-2-Pentanone (MIBK)	50.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Acetone	500.0	< 10 ug/l	< 10 ug/l	2 ug/l J	< 10 ug/l	< 10 ug/l
Benzene	60.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Bromodichloromethane	24.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Bromoform	65.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Bromomethane(MethylBromide)	11.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Carbon Disulfide	50.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Carbon Tetrachloride	21.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Chlorobenzene	71.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Chloroethane	m 1.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Chloroform	43.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Chloromethane (Methyl Chlorid	m 1.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
cis-1,3-Dichloropropene	3.0	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Dibromochloromethane	29.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Ethylbenzene	31.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Methylene Chloride	59.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Styrene	19.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Tetrachloroethene (PCE)	22.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Toluene	110.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Trans-1,3-Dichloropropene	3.0	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Trichloroethene (TCE)	94.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Vinyl Chloride	3.1	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Xylenes, Total	59.0	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l	< 5 ug/l
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	22.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
1,2-Dichlorobenzene	7.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
1,3-Dichlorobenzene	180.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l

NT=Not Tested
(GSI) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GSI) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 9

Surface Water Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (GSI)	EBG-SW	SW-02	SW-02 Dup of 1410031	SW-C8	SW-C8 QA/QC
Sample ID:						
Sampling Date:		05/02/94	04/28/94	04/28/94	04/28/94	04/28/94
Sample Number:		1410283	1410031	1410033	1410035	1410037
		1410284	1410032	1410034	1410036	1410038
Semi-Volatile Organics						
1,4-Dichlorobenzene	15.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2,2'-oxybis(1-Chloropropane)	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2,4,5-Trichlorophenol	m 50.0	< 50 ug/l	< 50 ug/l	< 50 ug/l	< 50 ug/l	< 50 ug/l
2,4,6-Trichlorophenol	m 5.00	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2,4-Dichlorophenol	34.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2,4-Dimethylphenol	31.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2,4-Dinitrophenol	m 20.0	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
2,4-Dinitrotoluene	91.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2,6-Dinitrotoluene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2-Chloronaphthalene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2-Chlorophenol	9.8	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2-Methylnaphthalene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
2-Methylphenol (o-Cresol)	38.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
2-Nitroaniline	m 20.0	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
2-Nitrophenol	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
3,3'-Dichlorobenzidine	m 20.00	< 20 ug/l	< 20 ug/l	< 20 ug/l	< 20 ug/l	< 20 ug/l
3-Nitroaniline	m 20.0	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
4,6-Dinitro-2-methylphenol	m 20.0	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
4-Bromophenyl-phenylether	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
4-Chloro-3-methylphenol	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
4-Chloroaniline	m 20.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
4-Chlorophenyl-phenylether	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
4-Methylphenol(p-Cresol)	24.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
4-Nitroaniline	m 20.0	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
4-Nitrophenol	m 20.0	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G	< 50 ug/l G
Acenaphthene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Acenaphthylene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Anthracene	110000	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Benzo(a)anthracene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Benzo(a)Pyrene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Benzo(b)fluoranthene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Benzo(g,h,i)perylene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Benzo(k)fluoranthene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
bis(2-Chloroethoxy)methane	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
bis(2-Chloroethyl)ether	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
bis(2-EthylHexyl)phthalate	59.0	2 ug/l J	1 ug/l J	< 10 ug/l	2 ug/l J	1 ug/l J
Butylbenzylphthalate	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Carbazole	m 10.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Chrysene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G

NT=Not Tested
(GSI) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GSI) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

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Table 9

Surface Water Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (GSI)	EBG-SW	SW-02	SW-02 Dup of 1410031	SW-C8	SW-C8 QA/QC
Sample ID:						
Sampling Date:		05/02/94	04/28/94	04/28/94	04/28/94	04/28/94
Sample Number:		1410283 1410284	1410031 1410032	1410033 1410034	1410035 1410036	1410037 1410038
Semi-Volatile Organics						
Di-n-butylphthalate	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Di-n-octylphthalate	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	5 ug/l J
Dibenzo(a,h)anthracene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Dibenzofuran	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Diethylphthalate	120000.0	13 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Dimethylphthalate	2900000.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Fluoranthene	370.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Fluorene	14000.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Hexachlorobenzene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Hexachlorobutadiene	500.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Hexachlorocyclopentadiene	m 2.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Hexachloroethane	13.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Indeno (1,2,3-cd) pyrene	m 5.00	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Isophorone	860.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
N-Nitroso-di-n-propylamine	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
N Nitrosodiphenylamine (1)	160	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Naphthalene	29.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Nitrobenzene	1900.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Pentachlorophenol	m 1.00	< 50 ug/l GQ	< 50 ug/l GQ	< 50 ug/l GQ	< 50 ug/l GQ	< 50 ug/l GQ
Phenanthrene	m 5.0	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Phenol	1100.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Pyrene	11000.0	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Pesticides and Herbicides						
2,4,5-TP	21.0	< 0.10 ug/l	0.0065 ug/l J	0.018 ug/l J	0.043 ug/l J	< 0.1 ug/l
2,4-D	47.0	< 0.10 ug/l	0.077 ug/l J	0.060 ug/l J	< 0.1 ug/l	< 0.1 ug/l
4,4'-DDD	m 0.02	< 0.1 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G
4,4'-DDE	m 0.02	< 0.1 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G
4,4'-DDT	m 0.02	< 0.1 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G
Aldrin	m 0.01	< 0.05 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G
Alpha-BHC	m 0.01	< 0.05 ug/l G	< 0.051 ug/l GQ	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G
Beta-BHC	m 0.01	< 0.05 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G
Chlordane	m 0.02	< 1.0 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G
Delta-BHC	m 0.01	< 0.05 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G
Dieldrin	m 0.02	< 0.1 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	0.0018 ug/l J J	< 0.10 ug/l G
Endosulfan I	0.056	< 0.05 ug/l	< 0.051 ug/l	< 0.051 ug/l	< 0.051 ug/l	< 0.051 ug/l
Endosulfan II	0.056	< 0.1 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G
Endosulfan Sulfate	m 0.02	< 0.1 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G

NT=Not Tested
(GSI) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GSI) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 9

Surface Water Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:	Applicable Standards (GSI)	EBG-SW	SW-02	SW-02	SW-C8	SW-C8 QA/QC
Sample ID:				Dup of 1410031		
Sampling Date:		05/02/94	04/28/94	04/28/94	04/28/94	04/28/94
Sample Number:		1410283 1410284	1410031 1410032	1410033 1410034	1410035 1410036	1410037 1410038
Pesticides and Herbicides						
Endrin	m 0.02	< 0.1 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G	< 0.10 ug/l G
Endrin Aldehyde	m 0.02	< 0.1 ug/l G	< 0.10 ug/l G	< 0.10 ug/l GQ	< 0.10 ug/l GQ	< 0.10 ug/l GQ
Gamma-BHC (Lindane)	0.08	< 0.05 ug/l	< 0.051 ug/l	< 0.051 ug/l	< 0.051 ug/l	< 0.051 ug/l
Heptachlor	m 0.01	< 0.05 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G
Heptachlor Epoxide	m 0.01	< 0.05 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G	< 0.051 ug/l G
Methoxychlor	m 0.5	< 0.5 ug/l	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G
PCB-1016	m 0.20	< 0.5 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G
PCB-1221	m 0.20	< 0.5 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G
PCB-1232	m 0.20	< 0.5 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G
PCB-1242	m 0.20	< 0.5 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G
PCB-1248	m 0.20	< 0.5 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G	< 0.51 ug/l G
PCB-1254	m 0.20	< 1.0 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G
PCB-1260	m 0.20	< 1.0 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G	< 1.0 ug/l G
Toxaphene	m 1.00	< 1.0 ug/l	< 1.0 ug/l	< 1.0 ug/l	< 1.0 ug/l	< 1.0 ug/l
Metals						
Arsenic	FILTER 0.0014	< 0.005 mg/l GQ	< 0.005 mg/l GQ	NT	< 0.005 mg/l GQ	< 0.005 mg/l GQ
Arsenic	FLTDUP 0.0014	NT	NT	< 0.005 mg/l GQ	NT	NT
Barium	FILTER 0.630	< 0.05 mg/l	0.051 mg/l	NT	0.096 mg/l	0.096 mg/l
Barium	FLTDUP 0.630	NT	NT	< 0.05 mg/l	NT	NT
Cadmium	FILTER 0.00064	< 0.005 mg/l GQ	< 0.005 mg/l G	NT	< 0.005 mg/l G	< 0.005 mg/l G
Cadmium	FLTDUP 0.00064	NT	NT	< 0.005 mg/l G	NT	NT
Chromium	FILTER 0.077	< 0.01 mg/l	< 0.01 mg/l	NT	< 0.01 mg/l	< 0.01 mg/l
Chromium	FLTDUP 0.077	NT	NT	< 0.01 mg/l	NT	NT
Copper	FILTER 0.018	< 0.02 mg/l G	< 0.02 mg/l G	NT	< 0.02 mg/l G	< 0.02 mg/l G
Copper	FLTDUP 0.018	NT	NT	< 0.02 mg/l G	NT	NT
Hexavalent Chromium	FILTER 0.0073	< 0.01 mg/l G	< 0.01 mg/l G	NT	< 0.01 mg/l G	< 0.01 mg/l G
Hexavalent Chromium	FLTDUP 0.0073	NT	NT	< 0.01 mg/l G	NT	NT
Lead	FILTER 0.0066	< 0.002 mg/l	< 0.002 mg/l	NT	< 0.002 mg/l	< 0.002 mg/l
Lead	FLTDUP 0.0066	NT	NT	< 0.002 mg/l	NT	NT
Mercury	FILTER 0.0002	< 0.0002 mg/l	< 0.0002 mg/l	NT	< 0.0002 mg/l	< 0.0002 mg/l
Mercury	FLTDUP 0.0002	NT	NT	< 0.0002 mg/l	NT	NT
Selenium	FILTER 0.005	< 0.002 mg/l	< 0.002 mg/l	NT	< 0.002 mg/l	< 0.002 mg/l
Selenium	FLTDUP 0.005	NT	NT	< 0.002 mg/l	NT	NT
Silver	FILTER 0.0005	< 0.01 mg/l G	< 0.01 mg/l GQ	NT	< 0.01 mg/l GQ	< 0.01 mg/l GQ
Silver	FLTDUP 0.0005	NT	NT	< 0.01 mg/l GQ	NT	NT
Zinc	FILTER 0.081	< 0.02 mg/l	< 0.02 mg/l	NT	< 0.02 mg/l	< 0.02 mg/l
Zinc	FLTDUP 0.081	NT	NT	< 0.02 mg/l	NT	NT

NT=Not Tested
(GSI) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GSI) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

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Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		PM1-1	PM1-1	PM1-3	PM1-4	PM1-5
Sample ID:	Applicable					
Sampling Date:	Standards	05/11/94	05/16/94	05/11/94	05/11/94	05/11/94
Sample Number:	(GW)	1411051	1411430	1411049	1411045	1411043
		1411050			1411044	1411042
Volatile Organics						
Acetone	700.00	..	..	..	2800 ug/l g	..
Ethylbenzene	680.00	2 ug/l J	..	3 ug/l J	..	..
Xylenes, Total	13000.00	18 ug/l	..	27 ug/l	3 ug/l J	8 ug/l
Semi-Volatile Organics						
bis(2-Ethylh[illegible]	m 5.00	..	69 ug/l g	1 ug/l J	4 ug/l J	..
Butylbenzylph[illegible]	1100.00	..	1 ug/l J	..	..	..
Pesticides and Herbicides						
Dieldrin	m 0.02	..	..	0.0040 ug/l J j	0.0032 ug/l J	..
Gamma-BHC (Lindane)	0.027	..	..	..	0.011 ug/l J	0.013 ug/l J j
Metals						
Arsenic	FILTER m 0.001	..	..	..	..	0.005 mg/l g
Barium	FILTER 2.4	0.069 mg/l	..	..	0.103 mg/l	0.065 mg/l
Zinc	FILTER 2.3	..	..	..	..	0.020 mg/l

* * = NOT TESTED OR NOT DETECTED
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-6 S-1/1-2	PH-1-6 S-1/1-2	PH-1-6 S-2/5-6	PH-1-6 S-2/5-6
Sample ID:	Dup	Leach of 1410678		Leach of 1410680
Sampling Date:	05/05/94	05/05/94	05/05/94	05/05/94
Sample Number:	1410678	1410679	1410680	1410681
Cross Ref Sample:				
Hazardous Parameters				
Ignitibility, As in 49CFR	passes	NT	PASSES	NT
Total Releasable Cyanide	< 0.100 mg/kg	NT	< 0.100 mg/kg	NT
Total Releasable Sulfide	< 50 mg/kg	NT	< 50 mg/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-6 S-1/1-2	PH-1-6 S-1/1-2	PH-1-6 S-2/5-6	PH-1-6 S-2/5-6
Sample ID:	Dup	Leach of 1410678		Leach of 1410680
Sampling Date:	05/05/94	05/05/94	05/05/94	05/05/94
Sample Number:	1410678	1410679	1410680	1410681
Cross Ref Sample:				
Pesticides and Herbicides				
Endosulfan Sulfate	0.20 ug/kg J	NT	0.20 ug/kg J	NT
Endrin	< 20 ug/kg	NT	< 19 ug/kg	NT
Endrin Aldehyde	< 20 ug/kg	NT	< 19 ug/kg JBu	NT
Gamma-BHC (Lindane)	< 9.8 ug/kg	NT	< 9.5 ug/kg	NT
Heptachlor	< 9.8 ug/kg	NT	< 9.5 ug/kg	NT
Heptachlor Epoxide	< 9.8 ug/kg	NT	< 9.5 ug/kg	NT
Methoxychlor	< 98 ug/kg uj	NT	< 95 ug/kg uj	NT
PCB-1016	< 98 ug/kg	NT	< 95 ug/kg	NT
PCB 1221	< 98 ug/kg	NT	< 95 ug/kg	NT
PCB 1232	< 98 ug/kg	NT	< 95 ug/kg	NT
PCB 1242	< 98 ug/kg	NT	< 95 ug/kg	NT
PCB 1248	< 98 ug/kg	NT	< 95 ug/kg	NT
PCB 1254	< 200 ug/kg	NT	< 190 ug/kg	NT
PCB 1260	< 200 ug/kg	NT	< 190 ug/kg	NT
Toxaphene	< 200 ug/kg	NT	< 190 ug/kg	NT
Metals				
Arsenic	NT	0.225 mg/l	NT	0.355 mg/l
Barium	NT	0.624 mg/l	NT	0.576 mg/l
Cadmium	NT	< 0.005 mg/l	NT	< 0.005 mg/l
Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Copper	NT	< 0.02 mg/l	NT	< 0.02 mg/l
Hexavalent Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Lead	NT	< 0.1 mg/l	NT	< 0.1 mg/l
Mercury	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l
Selenium	NT	< 0.2 mg/l	NT	< 0.2 mg/l
Silver	NT	< 0.01 mg/l uj	NT	< 0.01 mg/l uj
Zinc	NT	0.160 mg/l	NT	0.124 mg/l
Inorganic Non-metals				
Cyanide	< 0.0608 mg/kg	NT	< 0.0592 mg/kg	NT
Sulfides as S	< 60.8 mg/kg uj	NT	< 59.2 mg/kg uj	NT
Physical Properties				
% Solids	>0.5 %	NT	>0.5 %	NT
Total Solids	82.3 %	NT	84.5 %	NT

NT-Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"U" = QL Not Demonstrably Below the Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-6 S-1/1-2	PH-1-6 S-1/1-2	PH-1-6 S-2/5-6	PH-1-6 S-2/5-6
Sample ID:	Dup	Leach of 1410678		Leach of 1410680
Sampling Date:	05/05/94	05/05/94	05/05/94	05/05/94
Sample Number:	1410678	1410679	1410680	1410681
Cross Ref Sample:				
Semi-Volatile Organics				
Di-n-butylphthalate	< 400 ug/kg JBu	NT	< 370 ug/kg JBu	NT
Di-n-octylphthalate	< 400 ug/kg	NT	< 370 ug/kg	NT
Dibenzo(a,h)anthracene	< 400 ug/kg	NT	< 370 ug/kg	NT
Dibenzofuran	< 400 ug/kg	NT	< 370 ug/kg	NT
Diethylphthalate	< 400 ug/kg	NT	47 ug/kg J	NT
Dimethylphthalate	< 400 ug/kg	NT	< 370 ug/kg	NT
Fluoranthene	< 400 ug/kg	NT	< 370 ug/kg	NT
Fluorene	< 400 ug/kg	NT	< 370 ug/kg	NT
Hexachlorobenzene	< 400 ug/kg	NT	< 370 ug/kg	NT
Hexachlorobutadiene	< 400 ug/kg	NT	< 370 ug/kg	NT
Hexachlorocyclopentadiene	< 400 ug/kg	NT	< 370 ug/kg	NT
Hexachloroethane	< 400 ug/kg	NT	< 370 ug/kg	NT
Indeno (1,2,3-cd) pyrene	< 400 ug/kg	NT	< 370 ug/kg	NT
Isophorone	< 400 ug/kg	NT	< 370 ug/kg	NT
N-Nitroso-di-n-propylamin	< 400 ug/kg	NT	< 370 ug/kg	NT
N-Nitrosodiphenylamine (1	< 400 ug/kg	NT	< 370 ug/kg	NT
Naphthalene	< 400 ug/kg	NT	< 370 ug/kg	NT
Nitrobenzene	< 400 ug/kg	NT	< 370 ug/kg	NT
Pentachlorophenol	< 2000 ug/kg	NT	< 1800 ug/kg	NT
Phenanthrene	< 400 ug/kg	NT	< 370 ug/kg	NT
Phenol	< 400 ug/kg	NT	< 370 ug/kg	NT
Pyrene	< 400 ug/kg	NT	< 370 ug/kg	NT
Pyridine	< 400 ug/kg	NT	< 370 ug/kg	NT
Pesticides and Herbicides				
2,4,5-TP	< 240 ug/kg	NT	< 240 ug/kg	NT
2,4-D	< 240 ug/kg	NT	< 240 ug/kg	NT
4,4'-DDD	< 20 ug/kg	NT	< 19 ug/kg	NT
4,4'-DDE	< 20 ug/kg	NT	< 19 ug/kg	NT
4,4'-DDT	< 20 ug/kg uj	NT	< 19 ug/kg uj	NT
Aldrin	< 9.8 ug/kg	NT	< 9.5 ug/kg	NT
Alpha-BHC	< 9.8 ug/kg	NT	< 9.5 ug/kg	NT
Beta-BHC	< 9.8 ug/kg	NT	< 9.5 ug/kg	NT
Chlordane	< 200 ug/kg	NT	< 190 ug/kg	NT
Delta-BHC	< 9.8 ug/kg	NT	< 9.5 ug/kg	NT
Dieldrin	< 20 ug/kg	NT	< 19 ug/kg	NT
Endosulfan I	< 9.8 ug/kg	NT	< 9.5 ug/kg	NT
Endosulfan II	< 20 ug/kg	NT	< 19 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PM-1-6 S-1/1-2	PM-1-6 S-1/1-2	PM-1-6 S-2/5-6	PM-1-6 S-2/5-6
Sample ID:	Dup	Leach of 1410678		Leach of 1410680
Sampling Date:	05/05/94	05/05/94	05/05/94	05/05/94
Sample Number:	1410678	1410679	1410680	1410681
Cross Ref Sample:				
Semi-Volatile Organics				
1,4-Dichlorobenzene	< 400 ug/kg	NT	< 370 ug/kg	NT
2,2'-oxybis(1-Chloropropa	< 400 ug/kg	NT	< 370 ug/kg	NT
2,4,5-Trichlorophenol	< 2000 ug/kg	NT	< 1800 ug/kg	NT
2,4,6-Trichlorophenol	< 400 ug/kg	NT	< 370 ug/kg	NT
2,4-Dichlorophenol	< 400 ug/kg	NT	< 370 ug/kg	NT
2,4-Dimethylphenol	< 400 ug/kg	NT	< 370 ug/kg	NT
2,4-Dinitrophenol	< 2000 ug/kg	NT	< 1800 ug/kg	NT
2,4 Dinitrotoluene	< 400 ug/kg	NT	< 370 ug/kg	NT
2,6-Dinitrotoluene	< 400 ug/kg	NT	< 370 ug/kg	NT
2 Chloronaphthalene	< 400 ug/kg	NT	< 370 ug/kg	NT
2 Chlorophenol	< 400 ug/kg	NT	< 370 ug/kg	NT
2 Methylnaphthalene	< 400 ug/kg	NT	< 370 ug/kg	NT
2 Methylphenol (o-Cresol)	< 400 ug/kg	NT	< 370 ug/kg	NT
2 Nitroaniline	< 2000 ug/kg	NT	< 1800 ug/kg	NT
2 Nitrophenol	< 400 ug/kg	NT	< 370 ug/kg	NT
3,3'-Dichlorobenzidine	< 800 ug/kg	NT	< 740 ug/kg	NT
3 Nitroaniline	< 2000 ug/kg	NT	< 1800 ug/kg	NT
4,6 Dinitro 2-methylpheno	< 2000 ug/kg	NT	< 1800 ug/kg	NT
4-Bromophenyl phenylether	< 400 ug/kg	NT	< 370 ug/kg	NT
4 Chloro 3 methylphenol	< 400 ug/kg	NT	< 370 ug/kg	NT
4 Chloroaniline	< 400 ug/kg	NT	< 370 ug/kg	NT
4 Chlorophenyl-phenylethe	< 400 ug/kg	NT	< 370 ug/kg	NT
4 Methylphenol(p-Cresol)	< 400 ug/kg	NT	< 370 ug/kg	NT
4-Nitroaniline	< 2000 ug/kg	NT	< 1800 ug/kg	NT
4 Nitrophenol	< 2000 ug/kg	NT	< 1800 ug/kg	NT
Acenaphthene	< 400 ug/kg	NT	< 370 ug/kg	NT
Acenaphthylene	< 400 ug/kg	NT	< 370 ug/kg	NT
Anthracene	< 400 ug/kg	NT	< 370 ug/kg	NT
Benzo(a)anthracene	< 400 ug/kg	NT	< 370 ug/kg	NT
Benzo(a)Pyrene	< 400 ug/kg	NT	< 370 ug/kg	NT
Benzo(b)fluoranthene	< 400 ug/kg	NT	< 370 ug/kg	NT
Benzo(g,h,i)perylene	< 400 ug/kg	NT	< 370 ug/kg	NT
Benzo(k)fluoranthene	< 400 ug/kg	NT	< 370 ug/kg	NT
bis(2-Chloroethoxy)methan	< 400 ug/kg	NT	< 370 ug/kg	NT
bis(2-Chloroethyl)ether	< 400 ug/kg	NT	< 370 ug/kg	NT
bis(2-EthylHexyl)phthalat	< 400 ug/kg JBu	NT	< 370 ug/kg JBu	NT
Butylbenzylphthalate	< 400 ug/kg	NT	< 370 ug/kg	NT
Carbazole	< 400 ug/kg	NT	< 370 ug/kg	NT
Chrysene	< 400 ug/kg	NT	< 370 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" - Above Applicable Criteria
"Q" - UL Not Demonstrably Below the Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-6 S-1/1-2	PH-1-6 S-1/1-2	PH-1-6 S-2/5-6	PH-1-6 S-2/5-6
Sample ID:	Dup	Leach of 1410678		Leach of 1410680
Sampling Date:	05/05/94	05/05/94	05/05/94	05/05/94
Sample Number:	1410678	1410679	1410680	1410681
Cross Ref Sample:				
Volatile Organics				
1,1,1-Trichloroethane	< 6 ug/kg	NT	< 6 ug/kg	NT
1,1,2,2-Tetrachloroethane	< 6 ug/kg	NT	< 6 ug/kg	NT
1,1,2-Trichloroethane	< 6 ug/kg	NT	< 6 ug/kg	NT
1,1-Dichloroethane	< 6 ug/kg	NT	< 6 ug/kg	NT
1,1-Dichloroethene	< 6 ug/kg	NT	< 6 ug/kg	NT
1,2-Dichloroethane	< 6 ug/kg	NT	< 6 ug/kg	NT
1,2-Dichloroethene(total)	< 6 ug/kg	NT	< 6 ug/kg	NT
1,2-Dichloropropane	< 6 ug/kg	NT	< 6 ug/kg	NT
2-Butanone (MEK)	< 12 ug/kg	NT	< 12 ug/kg	NT
2-Hexanone	< 12 ug/kg	NT	< 12 ug/kg	NT
4-Methyl-2-Pentanone (MIB	< 12 ug/kg	NT	< 12 ug/kg	NT
Acetone	< 16 ug/kg Bu	NT	< 18 ug/kg Bu	NT
Benzene	< 6 ug/kg	NT	< 6 ug/kg	NT
Bromodichloromethane	< 6 ug/kg	NT	< 6 ug/kg	NT
Bromoform	< 6 ug/kg	NT	< 6 ug/kg	NT
Bromomethane(MethylBromid	< 12 ug/kg	NT	< 12 ug/kg	NT
Carbon Disulfide	< 6 ug/kg	NT	< 6 ug/kg	NT
Carbon Tetrachloride	< 6 ug/kg	NT	< 6 ug/kg	NT
Chlorobenzene	< 6 ug/kg	NT	< 6 ug/kg	NT
Chloroethane	< 12 ug/kg	NT	< 12 ug/kg	NT
Chloroform	< 6 ug/kg	NT	< 6 ug/kg	NT
Chloromethane (Methyl Chl	< 12 ug/kg	NT	< 12 ug/kg	NT
cis-1,3-Dichloropropene	< 6 ug/kg	NT	< 6 ug/kg	NT
Dibromochloromethane	< 6 ug/kg	NT	< 6 ug/kg	NT
Ethylbenzene	< 6 ug/kg	NT	< 6 ug/kg	NT
Methylene Chloride	< 6 ug/kg JBu	NT	< 6 ug/kg JBu	NT
Styrene	< 6 ug/kg	NT	< 6 ug/kg	NT
Tetrachloroethene (PCE)	< 6 ug/kg	NT	< 6 ug/kg	NT
Toluene	< 6 ug/kg	NT	< 6 ug/kg	NT
Trans-1,3-Dichloropropene	< 6 ug/kg	NT	< 6 ug/kg	NT
Trichloroethene (TCE)	< 6 ug/kg	NT	< 6 ug/kg	NT
Vinyl Chloride	< 12 ug/kg	NT	< 12 ug/kg	NT
Xylenes, Total	< 6 ug/kg	NT	< 6 ug/kg	NT
Semi-Volatile Organics				
1,2,4-Trichlorobenzene	< 400 ug/kg	NT	< 370 ug/kg	NT
1,2-Dichlorobenzene	< 400 ug/kg	NT	< 370 ug/kg	NT
1,3-Dichlorobenzene	< 400 ug/kg	NT	< 370 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PM-1-5 S-1/4-5	PM-1-5 S-1/4-5	PM-1-5 S-2/6-7	PM-1-5 S-2/6-7	PM-1-6 S-1/1-2	PM-1-6 S-1/1-2
Sample ID:		Leach of 1410672		Leach of 1410674		Leach of 1410676
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410672	1410673	1410674	1410675	1410676	1410677
Cross Ref Sample:						
Hazardous Parameters						
Ignitibility, As in 49CFR	PASSES	NT	PASSES	NT	PASSES	NT
Total Releasable Cyanide	< 0.100 mg/kg	NT	< 0.100 mg/kg	NT	< 0.100 mg/kg	NT
Total Releasable Sulfide	< 50 mg/kg	NT	< 50 mg/kg	NT	< 50 mg/kg	NT

NT=Not Tested
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(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"U" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-5 S-1/4-5	PH-1-5 S-1/4-5	PH-1-5 S-2/6-7	PH-1-5 S-2/6-7	PH-1-6 S-1/1-2	PH-1-6 S-1/1-2
Sample ID:		Leach of 1410672		Leach of 1410674		Leach of 1410676
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410672	1410673	1410674	1410675	1410676	1410677
Cross Ref Sample:						
Pesticides and Herbicides						
Endosulfan Sulfate	< 20 ug/kg	NT	< 20 ug/kg	NT	0.24 ug/kg J	NT
Endrin	< 20 ug/kg	NT	< 20 ug/kg	NT	< 20 ug/kg	NT
Endrin Aldehyde	< 20 ug/kg JBu	NT	< 20 ug/kg JBu	NT	< 20 ug/kg	NT
Gamma-BHC (Lindane)	< 10 ug/kg JBu	NT	< 10 ug/kg JBu	NT	< 9.8 ug/kg	NT
Heptachlor	1.6 ug/kg J	NT	1.8 ug/kg J	NT	< 9.8 ug/kg	NT
Heptachlor Epoxide	< 10 ug/kg	NT	< 10 ug/kg	NT	0.21 ug/kg J	NT
Methoxychlor	< 100 ug/kg uj	NT	< 100 ug/kg uj	NT	< 98 ug/kg uj	NT
PCB-1016	< 100 ug/kg	NT	< 100 ug/kg	NT	< 98 ug/kg	NT
PCB-1221	< 100 ug/kg	NT	< 100 ug/kg	NT	< 98 ug/kg	NT
PCB-1232	< 100 ug/kg	NT	< 100 ug/kg	NT	< 98 ug/kg	NT
PCB-1242	< 100 ug/kg	NT	< 100 ug/kg	NT	< 98 ug/kg	NT
PCB-1248	56 ug/kg J	NT	69 ug/kg J	NT	< 98 ug/kg	NT
PCB-1254	< 200 ug/kg	NT	< 200 ug/kg	NT	< 200 ug/kg	NT
PCB-1260	< 200 ug/kg	NT	< 200 ug/kg	NT	< 200 ug/kg	NT
Toxaphene	< 200 ug/kg	NT	< 200 ug/kg	NT	< 200 ug/kg	NT
Metals						
Arsenic	NT	0.200 mg/l	NT	< 0.2 mg/l	NT	0.258 mg/l
Barium	NT	0.555 mg/l	NT	0.569 mg/l	NT	0.694 mg/l
Cadmium	NT	< 0.005 mg/l	NT	< 0.005 mg/l	NT	< 0.005 mg/l
Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Copper	NT	0.031 mg/l j	NT	0.022 mg/l j	NT	< 0.02 mg/l
Hexavalent Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Lead	NT	< 0.1 mg/l	NT	< 0.1 mg/l	NT	< 0.1 mg/l
Mercury	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l
Selenium	NT	< 0.2 mg/l	NT	< 0.2 mg/l	NT	< 0.2 mg/l
Silver	NT	< 0.01 mg/l uj	NT	< 0.01 mg/l uj	NT	< 0.01 mg/l uj
Zinc	NT	0.323 mg/l	NT	0.338 mg/l	NT	0.208 mg/l
Inorganic Non-metals						
Cyanide	< 0.0635 mg/kg	NT	< 0.0645 mg/kg	NT	< 0.0611 mg/kg	NT
Sulfides as S	< 63.5 mg/kg uj	NT	< 64.5 mg/kg uj	NT	< 61.1 mg/kg uj	NT
Physical Properties						
% Solids	>0.5 %	NT	>0.5 %	NT	>0.5 %	NT
Total Solids	78.7 %	NT	77.5 %	NT	81.9 %	NT

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"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-5 S-1/4-5	PH-1-5 S-1/4-5	PH-1-5 S-2/6-7	PH-1-5 S-2/6-7	PH-1-6 S-1/1-2	PH-1-6 S-1/1-2
Sample ID:		Leach of 1410672		Leach of 1410674		Leach of 1410676
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410672	1410673	1410674	1410675	1410676	1410677
Cross Ref Sample:						
Semi-Volatile Organics						
Di-n-butylphthalate	< 420 ug/kg JBu	NT	< 420 ug/kg JBu	NT	< 400 ug/kg JBu	NT
Di-n-octylphthalate	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Dibenzo(a,h)anthracene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Dibenzofuran	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Diethylphthalate	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Dimethylphthalate	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Fluoranthene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Fluorene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Hexachlorobenzene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Hexachlorobutadiene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Hexachlorocyclopentadiene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Hexachloroethane	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Indeno (1,2,3-cd) pyrene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Isophorone	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
N-Nitroso di-n-propylamin	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
N-Nitrosodiphenylamine (1	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Naphthalene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Nitrobenzene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Pentachlorophenol	< 2100 ug/kg	NT	< 2100 ug/kg	NT	< 2000 ug/kg	NT
Phenanthrene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Phenol	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Pyrene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Pyridine	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Pesticides and Herbicides						
2,4,5 TP	< 630 ug/kg	NT	< 640 ug/kg	NT	< 240 ug/kg	NT
2,4-D	< 630 ug/kg	NT	< 640 ug/kg	NT	< 240 ug/kg	NT
4,4'-DDD	< 20 ug/kg	NT	< 20 ug/kg	NT	< 20 ug/kg	NT
4,4'-DDE	0.55 ug/kg J	NT	0.66 ug/kg J	NT	< 20 ug/kg	NT
4,4'-DDT	0.77 ug/kg Jj	NT	< 20 ug/kg uj	NT	< 20 ug/kg uj	NT
Aldrin	< 10 ug/kg	NT	< 10 ug/kg	NT	< 9.8 ug/kg	NT
Alpha-BHC	< 10 ug/kg	NT	< 10 ug/kg	NT	< 9.8 ug/kg	NT
Beta-BHC	< 10 ug/kg	NT	< 10 ug/kg	NT	< 9.8 ug/kg	NT
Chlordane	< 200 ug/kg	NT	< 200 ug/kg	NT	< 200 ug/kg	NT
Delta-BHC	0.27 ug/kg J	NT	0.22 ug/kg J	NT	< 9.8 ug/kg	NT
Dieldrin	< 20 ug/kg	NT	< 20 ug/kg	NT	< 20 ug/kg	NT
Endosulfan I	< 10 ug/kg	NT	< 10 ug/kg	NT	< 9.8 ug/kg	NT
Endosulfan II	< 20 ug/kg	NT	< 20 ug/kg	NT	< 20 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-5 S-1/4-5	PH-1-5 S-1/4-5	PH-1-5 S-2/6-7	PH-1-5 S-2/6-7	PH-1-6 S-1/1-2	PH-1-6 S-1/1-2
Sample ID:		Leach of 1410672		Leach of 1410674		Leach of 1410676
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410672	1410673	1410674	1410675	1410676	1410677
Cross Ref Sample:						
Semi-Volatile Organics						
1,4-Dichlorobenzene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2,2'-oxybis(1-Chloropropa	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2,4,5-Trichlorophenol	< 2100 ug/kg	NT	< 2100 ug/kg	NT	< 2000 ug/kg	NT
2,4,6-Trichlorophenol	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2,4-Dichlorophenol	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2,4-Dimethylphenol	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2,4-Dinitrophenol	< 2100 ug/kg	NT	< 2100 ug/kg	NT	< 2000 ug/kg	NT
2,4-Dinitrotoluene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2,6-Dinitrotoluene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2-Chloronaphthalene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2-Chlorophenol	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2-Methylnaphthalene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2-Methylphenol (o-Cresol)	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
2-Nitroaniline	< 2100 ug/kg	NT	< 2100 ug/kg	NT	< 2000 ug/kg	NT
2-Nitrophenol	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
3,3'-Dichlorobenzidine	< 840 ug/kg	NT	< 840 ug/kg	NT	< 800 ug/kg	NT
3-Nitroaniline	< 2100 ug/kg	NT	< 2100 ug/kg	NT	< 2000 ug/kg	NT
4,6-Dinitro-2-methylpheno	< 2100 ug/kg	NT	< 2100 ug/kg	NT	< 2000 ug/kg	NT
4-Bromophenyl-phenylether	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
4-Chloro-3-methylphenol	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
4-Chloroaniline	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
4-Chlorophenyl-phenylethe	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
4-Methylphenol(p-Cresol)	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
4-Nitroaniline	< 2100 ug/kg	NT	< 2100 ug/kg	NT	< 2000 ug/kg	NT
4-Nitrophenol	< 2100 ug/kg	NT	< 2100 ug/kg	NT	< 2000 ug/kg	NT
Acenaphthene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Acenaphthylene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Anthracene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Benzo(a)anthracene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Benzo(a)Pyrene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Benzo(b)fluoranthene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Benzo(g,h,i)perylene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Benzo(k)fluoranthene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
bis(2-Chloroethoxy)methan	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
bis(2-Chloroethyl)ether	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
bis(2-EthylHexyl)phthalat	< 370 ug/kg Bu	NT	< 420 ug/kg JBu	NT	< 400 ug/kg JBu	NT
Butylbenzylphthalate	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Carbazole	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
Chrysene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-5 S-1/4-5	PH-1-5 S-1/4-5	PH-1-5 S-2/6-7	PH-1-5 S-2/6-7	PH-1-6 S-1/1-2	PH-1-6 S-1/1-2
Sample ID:		Leach of 1410672		Leach of 1410674		Leach of 1410676
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410672	1410673	1410674	1410675	1410676	1410677
Cross Ref Sample:						
Volatile Organics						
1,1,1-Trichloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,1,2,2-Tetrachloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,1,2-Trichloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,1-Dichloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,1-Dichloroethene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,2-Dichloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,2-Dichloroethene(total)	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,2-Dichloropropane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
2-Butanone (MEK)	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
2 Hexanone	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
4-Methyl-2-Pentanone (MIB	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
Acetone	< 21 ug/kg Bu	NT	< 12 ug/kg Bu	NT	< 12 ug/kg	NT
Benzene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Bromodichloromethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Bromoform	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Bromomethane(MethylBromid	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
Carbon Disulfide	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Carbon Tetrachloride	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Chlorobenzene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Chloroethane	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
Chloroform	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Chloromethane (Methyl Chl	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
cis-1,3-Dichloropropene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Dibromochloromethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Ethylbenzene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Methylene Chloride	< 6 ug/kg JBu	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Styrene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Tetrachloroethene (PCE)	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Toluene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Trans-1,3-Dichloropropene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Trichloroethene (TCE)	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Vinyl Chloride	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
Xylenes, Total	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
1,2-Dichlorobenzene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT
1,3-Dichlorobenzene	< 420 ug/kg	NT	< 420 ug/kg	NT	< 400 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"U" = UL Not Demonstrably Below the Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-3 S-2/6-7	PH-1-3 S-2/6-7	PH-1-4 S-1/2-3	PH-1-4 S-1/2-3	PH-1-4 S-2/5-6	PH-1-4 S-2/5-6
Sample ID:		Leach of 1410666		Leach of 1410668		Leach of 1410670
Sampling Date:	05/05/94	05/05/94	05/04/94	05/04/94	05/04/94	05/04/94
Sample Number:	1410666	1410667	1410668	1410669	1410670	1410671
Cross Ref Sample:						
Hazardous Parameters						
Ignitibility, As in 49CFR	PASSES	NT	PASSES	NT	PASSES	NT
Total Releasable Cyanide	< 0.100 mg/kg r	NT	< 0.100 mg/kg	NT	< 0.100 mg/kg	NT
Total Releasable Sulfide	< 50 mg/kg r	NT	< 50 mg/kg	NT	< 50 mg/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-3 S-2/6-7	PH-1-3 S-2/6-7	PH-1-4 S-1/2-3	PH-1-4 S-1/2-3	PH-1-4 S-2/5-6	PH-1-4 S-2/5-6
Sample ID:		Leach of 1410666		Leach of 1410668		Leach of 1410670
Sampling Date:	05/05/94	05/05/94	05/04/94	05/04/94	05/04/94	05/04/94
Sample Number:	1410666	1410667	1410668	1410669	1410670	1410671
Cross Ref Sample:						
Pesticides and Herbicides						
Endosulfan Sulfate	< 19 ug/kg	NT	< 20 ug/kg	NT	< 18 ug/kg	NT
Endrin	< 19 ug/kg	NT	0.15 ug/kg J	NT	0.29 ug/kg J	NT
Endrin Aldehyde	< 19 ug/kg JBu	NT	< 20 ug/kg	NT	< 18 ug/kg	NT
Gamma-BHC (Lindane)	< 9.3 ug/kg	NT	< 10 ug/kg	NT	< 9.0 ug/kg	NT
Heptachlor	< 9.3 ug/kg	NT	< 10 ug/kg	NT	< 9.0 ug/kg	NT
Heptachlor Epoxide	< 9.3 ug/kg	NT	0.27 ug/kg J	NT	< 9.0 ug/kg	NT
Methoxychlor	< 93 ug/kg	NT	< 100 ug/kg	NT	< 90 ug/kg	NT
PCB-1016	< 93 ug/kg	NT	< 100 ug/kg	NT	< 90 ug/kg	NT
PCB-1221	< 93 ug/kg	NT	< 100 ug/kg	NT	< 90 ug/kg	NT
PCB-1232	< 93 ug/kg	NT	< 100 ug/kg	NT	< 90 ug/kg	NT
PCB-1242	< 93 ug/kg	NT	< 100 ug/kg	NT	< 90 ug/kg	NT
PCB-1248	< 93 ug/kg	NT	< 100 ug/kg	NT	< 90 ug/kg	NT
PCB-1254	< 190 ug/kg	NT	< 200 ug/kg	NT	< 180 ug/kg	NT
PCB-1260	< 190 ug/kg	NT	< 200 ug/kg	NT	< 180 ug/kg	NT
Toxaphene	< 190 ug/kg	NT	< 200 ug/kg	NT	< 180 ug/kg	NT
Metals						
Arsenic	NT	0.231 mg/l	NT	0.206 mg/l	NT	0.372 mg/l
Barium	NT	1.24 mg/l	NT	0.906 mg/l	NT	0.542 mg/l
Cadmium	NT	< 0.005 mg/l	NT	< 0.005 mg/l	NT	< 0.005 mg/l
Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Copper	NT	0.024 mg/l j	NT	< 0.02 mg/l	NT	< 0.02 mg/l
Hexavalent Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Lead	NT	< 0.1 mg/l	NT	< 0.1 mg/l	NT	< 0.1 mg/l
Mercury	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l
Selenium	NT	< 0.2 mg/l	NT	< 0.2 mg/l	NT	0.213 mg/l
Silver	NT	< 0.01 mg/l uj	NT	< 0.01 mg/l uj	NT	< 0.01 mg/l uj
Zinc	NT	1.13 mg/l	NT	0.371 mg/l	NT	0.333 mg/l
Inorganic Non-metals						
Cyanide	< 0.0579 mg/kg	NT	< 0.0648 mg/kg	NT	< 0.0562 mg/kg	NT
Sulfides as S	< 57.9 mg/kg uj	NT	< 64.8 mg/kg uj	NT	< 56.2 mg/kg uj	NT
Physical Properties						
% Solids	>0.5 %	NT	>0.5 %	NT	>0.5 %	NT
Total Solids	86.4 %	NT	77.2 %	NT	89.0 %	NT

NT-Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"L" & "H" - Above Applicable Criteria
"U" - QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-3 S-2/6-7	PH-1-3 S-2/6-7	PH-1-4 S-1/2-3	PH-1-4 S-1/2-3	PH-1-4 S-2/5-6	PH-1-4 S-2/5-6
Sample ID:		Leach of 1410666		Leach of 1410668		Leach of 1410670
Sampling Date:	05/05/94	05/05/94	05/04/94	05/04/94	05/04/94	05/04/94
Sample Number:	1410666	1410667	1410668	1410669	1410670	1410671
Cross Ref Sample:						
Semi-Volatile Organics						
Di-n-butylphthalate	< 380 ug/kg JBu	NT	< 430 ug/kg JBu	NT	< 370 ug/kg JBu	NT
Di-n-octylphthalate	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Dibenzo(a,h)anthracene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Dibenzofuran	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Diethylphthalate	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Dimethylphthalate	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Fluoranthene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Fluorene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Hexachlorobenzene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Hexachlorobutadiene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Hexachlorocyclopentadiene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Hexachloroethane	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Indeno (1,2,3-cd) pyrene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Isophorone	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
N-Nitroso-di-n-propylamin	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
N-Nitrosodiphenylamine (1	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Naphthalene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Nitrobenzene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Pentachlorophenol	< 1900 ug/kg	NT	< 2200 ug/kg	NT	< 1800 ug/kg	NT
Phenanthrene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Phenol	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Pyrene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Pyridine	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Pesticides and Herbicides						
2,4,5-TP	< 230 ug/kg uj	NT	< 260 ug/kg	NT	< 220 ug/kg	NT
2,4-D	< 230 ug/kg	NT	< 260 ug/kg	NT	< 220 ug/kg	NT
4,4'-DDD	< 19 ug/kg	NT	< 20 ug/kg	NT	< 18 ug/kg	NT
4,4'-DDE	< 19 ug/kg	NT	< 20 ug/kg	NT	< 18 ug/kg	NT
4,4'-DDT	< 19 ug/kg	NT	< 20 ug/kg	NT	< 18 ug/kg	NT
Aldrin	< 9.3 ug/kg	NT	< 10 ug/kg	NT	< 9.0 ug/kg	NT
Alpha-BHC	< 9.3 ug/kg	NT	< 10 ug/kg	NT	< 9.0 ug/kg	NT
Beta-BHC	< 9.3 ug/kg	NT	< 10 ug/kg	NT	< 9.0 ug/kg	NT
Chlordane	< 190 ug/kg	NT	< 200 ug/kg	NT	< 180 ug/kg	NT
Delta-BHC	< 9.3 ug/kg	NT	< 10 ug/kg	NT	< 9.0 ug/kg	NT
Dieldrin	< 19 ug/kg	NT	< 20 ug/kg	NT	< 16 ug/kg	NT
Endosulfan I	< 9.3 ug/kg	NT	< 10 ug/kg	NT	< 9.0 ug/kg	NT
Endosulfan II	< 19 ug/kg	NT	< 20 ug/kg	NT	< 18 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-3 S-2/6-7	PH-1-3 S-2/6-7	PH-1-4 S-1/2-3	PH-1-4 S-1/2-3	PH-1-4 S-2/5-6	PH-1-4 S-2/5-6
Sample ID:		Leach of 1410666		Leach of 1410668		Leach of 1410670
Sampling Date:	05/05/94	05/05/94	05/04/94	05/04/94	05/04/94	05/04/94
Sample Number:	1410666	1410667	1410668	1410669	1410670	1410671
Cross Ref Sample:						
Semi-Volatile Organics						
1,4-Dichlorobenzene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2,2'-oxybis(1-Chloropropa	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2,4,5-Trichlorophenol	< 1900 ug/kg	NT	< 2200 ug/kg	NT	< 1800 ug/kg	NT
2,4,6-Trichlorophenol	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2,4-Dichlorophenol	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2,4-Dimethylphenol	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2,4 Dinitrophenol	< 1900 ug/kg	NT	< 2200 ug/kg	NT	< 1800 ug/kg	NT
2,4-Dinitrotoluene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2,6-Dinitrotoluene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2 Chloronaphthalene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2 Chlorophenol	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2-Methylnaphthalene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2 Methylphenol (o Cresol)	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
2-Nitroaniline	< 1900 ug/kg	NT	< 2200 ug/kg	NT	< 1800 ug/kg	NT
2-Nitrophenol	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
3,3'-Dichlorobenzidine	< 760 ug/kg	NT	< 860 ug/kg	NT	< 740 ug/kg	NT
3-Nitroaniline	< 1900 ug/kg	NT	< 2200 ug/kg	NT	< 1800 ug/kg	NT
4,6-Dinitro 2-methylpheno	< 1900 ug/kg	NT	< 2200 ug/kg	NT	< 1800 ug/kg	NT
4-Bromophenyl-phenylether	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
4 Chloro 3-methylphenol	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
4-Chloroaniline	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
4-Chlorophenyl-phenylethe	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
4-Methylphenol(p-Cresol)	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
4-Nitroaniline	< 1900 ug/kg	NT	< 2200 ug/kg	NT	< 1800 ug/kg	NT
4-Nitrophenol	< 1900 ug/kg	NT	< 2200 ug/kg	NT	< 1800 ug/kg	NT
Acenaphthene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Acenaphthylene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Anthracene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Benzo(a)anthracene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Benzo(a)Pyrene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Benzo(b)fluoranthene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Benzo(g,h,i)perylene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Benzo(k)fluoranthene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
bis(2-Chloroethoxy)methan	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
bis(2-Chloroethyl)ether	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
bis(2-EthylHexyl)phthalat	< 380 ug/kg JBu	NT	< 430 ug/kg JBu	NT	< 370 ug/kg JBu	NT
Butylbenzylphthalate	99 ug/kg J	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Carbazole	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
Chrysene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT

NT-Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"U" = QL Not Demonstrably Below the Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-3 S-2/6-7	PH-1-3 S-2/6-7	PH-1-4 S-1/2-3	PH-1-4 S-1/2-3	PH-1-4 S-2/5-6	PH-1-4 S-2/5-6
Sample ID:		Leach of 1410666		Leach of 1410668		Leach of 1410670
Sampling Date:	05/05/94	05/05/94	05/04/94	05/04/94	05/04/94	05/04/94
Sample Number:	1410666	1410667	1410668	1410669	1410670	1410671
Cross Ref Sample:						
Volatile Organics						
1,1,1-Trichloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,1,2,2-Tetrachloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,1,2-Trichloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,1-Dichloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,1-Dichloroethene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,2-Dichloroethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,2-Dichloroethene(total)	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
1,2-Dichloropropane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
2-Butanone (MEK)	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
2-Hexanone	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
4-Methyl-2-Pentanone (MIB	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
Acetone	< 12 ug/kg JBu	NT	< 12 ug/kg uj	NT	< 18 ug/kg Bu	NT
Benzene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Bromodichloromethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Bromoform	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Bromomethane(MethylBromid	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
Carbon Disulfide	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Carbon Tetrachloride	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Chlorobenzene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Chloroethane	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
Chloroform	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Chloromethane (Methyl Chl	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
cis-1,3-Dichloropropene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Dibromochloromethane	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Ethylbenzene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Methylene Chloride	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg JBu	NT
Styrene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Tetrachloroethene (PCE)	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Toluene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Trans-1,3-Dichloropropene	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Trichloroethene (TCE)	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Vinyl Chloride	< 12 ug/kg	NT	< 12 ug/kg uj	NT	< 12 ug/kg	NT
Xylenes, Total	< 6 ug/kg	NT	< 6 ug/kg uj	NT	< 6 ug/kg	NT
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
1,2-Dichlorobenzene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT
1,3-Dichlorobenzene	< 380 ug/kg	NT	< 430 ug/kg	NT	< 370 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-1 S-1/2-3	PH-1-1 S-1/2-3	PH-1-1 S-2/5.5-6.5	PH-1-1 S-2/5.5-6.5	PH-1-3 S-1/2-3	PH-1-3 S-1/2-3
Sample ID:		Leach of 1410660		Leach of 1410662		Leach of 1410664
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410660	1410661	1410662	1410663	1410664	1410665
Cross Ref Sample:						
Hazardous Parameters						
Ignitibility, As in 49CFR	PASSES	NT	PASSES	NT	PASSES	NT
Total Releasable Cyanide	< 0.100 mg/kg	NT	< 0.100 mg/kg	NT	< 0.100 mg/kg	NT
Total Releasable Sulfide	< 50 mg/kg	NT	< 50 mg/kg	NT	< 50 mg/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"U" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-1 S-1/2-3	PH-1-1 S-1/2-3	PH-1-1 S-2/5.5-6.5	PH-1-1 S-2/5.5-6.5	PH-1-3 S-1/2-3	PH-1-3 S-1/2-3
Sample ID:		Leach of 1410660		Leach of 1410662		Leach of 1410664
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410660	1410661	1410662	1410663	1410664	1410665
Cross Ref Sample:						
Pesticides and Herbicides						
Endosulfan Sulfate	< 20 ug/kg	NT	0.30 ug/kg J	NT	< 19 ug/kg	NT
Endrin	< 20 ug/kg	NT	< 24 ug/kg	NT	0.49 ug/kg J	NT
Endrin Aldehyde	< 20 ug/kg	NT	< 24 ug/kg	NT	< 19 ug/kg	NT
Gamma-BHC (Lindane)	< 10 ug/kg	NT	< 12 ug/kg	NT	< 9.6 ug/kg	NT
Heptachlor	< 10 ug/kg	NT	< 12 ug/kg	NT	< 9.6 ug/kg	NT
Heptachlor Epoxide	0.25 ug/kg J	NT	< 12 ug/kg	NT	< 9.6 ug/kg	NT
Methoxychlor	< 100 ug/kg	NT	< 120 ug/kg	NT	< 96 ug/kg	NT
PCB-1016	< 100 ug/kg	NT	< 120 ug/kg	NT	< 96 ug/kg	NT
PCB-1221	< 100 ug/kg	NT	< 120 ug/kg	NT	< 96 ug/kg	NT
PCB-1232	< 100 ug/kg	NT	< 120 ug/kg	NT	< 96 ug/kg	NT
PCB-1242	< 100 ug/kg	NT	< 120 ug/kg	NT	< 96 ug/kg	NT
PCB-1248	< 100 ug/kg	NT	< 120 ug/kg	NT	< 96 ug/kg	NT
PCB-1254	< 200 ug/kg	NT	< 240 ug/kg	NT	< 190 ug/kg	NT
PCB-1260	< 200 ug/kg	NT	< 240 ug/kg	NT	< 190 ug/kg	NT
Toxaphene	< 200 ug/kg	NT	< 240 ug/kg	NT	< 190 ug/kg	NT
Metals						
Arsenic	NT	< 0.2 mg/l	NT	0.295 mg/l	NT	< 0.2 mg/l
Barium	NT	0.673 mg/l	NT	0.734 mg/l	NT	0.541 mg/l
Cadmium	NT	< 0.005 mg/l	NT	< 0.005 mg/l	NT	< 0.005 mg/l
Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Copper	NT	< 0.02 mg/l	NT	< 0.02 mg/l	NT	< 0.02 mg/l
Hexavalent Chromium	NT	< 0.01 mg/l	NT	< 0.01 mg/l	NT	< 0.01 mg/l
Lead	NT	< 0.1 mg/l	NT	< 0.1 mg/l	NT	< 0.1 mg/l
Mercury	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l	NT	< 0.0002 mg/l
Selenium	NT	< 0.2 mg/l	NT	< 0.2 mg/l	NT	< 0.2 mg/l
Silver	NT	< 0.01 mg/l uj	NT	< 0.01 mg/l uj	NT	< 0.01 mg/l uj
Zinc	NT	0.260 mg/l	NT	0.102 mg/l	NT	0.255 mg/l
Inorganic Non-metals						
Cyanide	< 0.0625 mg/kg	NT	< 0.0597 mg/kg	NT	< 0.0602 mg/kg	NT
Sulfides as S	< 62.5 mg/kg uj	NT	< 59.7 mg/kg uj	NT	< 60.2 mg/kg uj	NT
Physical Properties						
% Solids	>0.5 %	NT	>0.5 %	NT	>0.5 %	NT
Total Solids	80.0 %	NT	83.8 %	NT	83.1 %	NT

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"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PM-1-1 S-1/2-3	PM-1-1 S-1/2-3	PM-1-1 S-2/5.5-6.5	PM-1-1 S-2/5.5-6.5	PM-1-3 S-1/2-3	PM-1-3 S-1/2-3
Sample ID:		Leach of 1410660		Leach of 1410662		Leach of 1410664
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410660	1410661	1410662	1410663	1410664	1410665
Cross Ref Sample:						
Semi-Volatile Organics						
Di-n-butylphthalate	< 410 ug/kg JBu	NT	< 490 ug/kg JBu	NT	< 400 ug/kg JBu	NT
Di-n-octylphthalate	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Dibenzo(a,h)anthracene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Dibenzofuran	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Diethylphthalate	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Dimethylphthalate	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Fluoranthene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Fluorene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Hexachlorobenzene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Hexachlorobutadiene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Hexachlorocyclopentadiene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Hexachloroethane	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Indeno (1,2,3-cd) pyrene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Isophorone	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
N-Nitroso-di-n propylamin	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
N-Nitrosodiphenylamine (1	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Naphthalene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Nitrobenzene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Pentachlorophenol	< 2000 ug/kg	NT	< 2400 ug/kg	NT	< 2000 ug/kg	NT
Phenanthrene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Phenol	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Pyrene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Pyridine	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Pesticides and Herbicides						
2,4,5-TP	< 250 ug/kg	NT	< 290 ug/kg	NT	< 600 ug/kg	NT
2,4-D	< 250 ug/kg	NT	< 290 ug/kg	NT	< 600 ug/kg	NT
4,4'-DDD	< 20 ug/kg	NT	< 24 ug/kg	NT	< 19 ug/kg	NT
4,4'-DDE	< 20 ug/kg	NT	< 24 ug/kg	NT	0.13 ug/kg J	NT
4,4'-DDT	< 20 ug/kg	NT	< 24 ug/kg	NT	< 19 ug/kg	NT
Aldrin	< 10 ug/kg	NT	< 12 ug/kg	NT	< 9.6 ug/kg	NT
Alpha-BHC	< 10 ug/kg	NT	< 12 ug/kg	NT	< 9.6 ug/kg	NT
Beta-BHC	< 10 ug/kg	NT	< 12 ug/kg	NT	< 9.6 ug/kg	NT
Chlordane	< 200 ug/kg	NT	< 240 ug/kg	NT	< 190 ug/kg	NT
Delta-BHC	< 10 ug/kg	NT	< 12 ug/kg	NT	< 9.6 ug/kg	NT
Dieldrin	< 20 ug/kg	NT	< 24 ug/kg	NT	< 19 ug/kg	NT
Endosulfan I	< 10 ug/kg	NT	< 12 ug/kg	NT	< 9.6 ug/kg	NT
Endosulfan II	< 20 ug/kg	NT	< 24 ug/kg	NT	< 19 ug/kg	NT

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"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-1 S-1/2-3	PH-1-1 S-1/2-3	PH-1-1 S-2/5.5-6.5	PH-1-1 S-2/5.5-6.5	PH-1-3 S-1/2-3	PH-1-3 S-1/2-3
Sample ID:		Leach of 1410660		Leach of 1410662		Leach of 1410664
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410660	1410661	1410662	1410663	1410664	1410665
Cross Ref Sample:						
Semi-Volatile Organics						
1,4-Dichlorobenzene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2,2'-oxybis(1-Chloropropa	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2,4,5-Trichlorophenol	< 2000 ug/kg	NT	< 2400 ug/kg	NT	< 2000 ug/kg	NT
2,4,6-Trichlorophenol	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2,4-Dichlorophenol	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2,4-Dimethylphenol	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2,4-Dinitrophenol	< 2000 ug/kg	NT	< 2400 ug/kg	NT	< 2000 ug/kg	NT
2,4-Dinitrotoluene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2,6-Dinitrotoluene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2-Chloronaphthalene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2-Chlorophenol	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2-Methylnaphthalene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2-Methylphenol (o-Cresol)	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
2-Nitroaniline	< 2000 ug/kg	NT	< 2400 ug/kg	NT	< 2000 ug/kg	NT
2-Nitrophenol	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
3,3'-Dichlorobenzidine	< 820 ug/kg	NT	< 980 ug/kg	NT	< 800 ug/kg	NT
3-Nitroaniline	< 2000 ug/kg	NT	< 2400 ug/kg	NT	< 2000 ug/kg	NT
4,6-Dinitro-2-methylpheno	< 2000 ug/kg	NT	< 2400 ug/kg	NT	< 2000 ug/kg	NT
4-Bromophenyl-phenylether	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
4-Chloro-3-methylphenol	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
4-Chloroaniline	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
4-Chlorophenyl-phenylethe	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
4-Methylphenol(p-Cresol)	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
4-Nitroaniline	< 2000 ug/kg	NT	< 2400 ug/kg	NT	< 2000 ug/kg	NT
4-Nitrophenol	< 2000 ug/kg	NT	< 2400 ug/kg	NT	< 2000 ug/kg	NT
Acenaphthene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Acenaphthylene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Anthracene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Benzo(a)anthracene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Benzo(a)Pyrene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Benzo(b)fluoranthene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Benzo(g,h,i)perylene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Benzo(k)fluoranthene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
bis(2-Chloroethoxy)methan	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
bis(2-Chloroethyl)ether	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
bis(2-EthylHexyl)phthalat	< 1300 ug/kg Bu	NT	< 490 ug/kg JBu	NT	< 590 ug/kg Bu	NT
Butylbenzylphthalate	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Carbazole	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
Chrysene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT

NT=Not Tested
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(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-1 S-1/2-3	PH-1-1 S-1/2-3	PH-1-1 S-2/5.5-6.5	PH-1-1 S-2/5.5-6.5	PH-1-3 S-1/2-3	PH-1-3 S-1/2-3
Sample ID:		Leach of 1410660		Leach of 1410662		Leach of 1410664
Sampling Date:	05/04/94	05/04/94	05/04/94	05/04/94	05/05/94	05/05/94
Sample Number:	1410660	1410661	1410662	1410663	1410664	1410665
Cross Ref Sample:						
Volatile Organics						
1,1,1-Trichloroethane	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
1,1,2,2-Tetrachloroethane	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
1,1,2-Trichloroethane	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
1,1-Dichloroethane	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
1,1-Dichloroethene	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
1,2-Dichloroethane	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
1,2-Dichloroethene(total)	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
1,2-Dichloropropane	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
2-Butanone (MEK)	< 12 ug/kg	NT	< 14 ug/kg	NT	< 12 ug/kg	NT
2-Hexanone	< 12 ug/kg	NT	< 14 ug/kg	NT	< 12 ug/kg	NT
4-Methyl-2-Pentanone (MIB	< 12 ug/kg	NT	< 14 ug/kg	NT	< 12 ug/kg	NT
Acetone	< 12 ug/kg	NT	< 28 ug/kg Bu	NT	< 12 ug/kg JBu	NT
Benzene	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Bromodichloromethane	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Bromoform	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Bromomethane(MethylBromid	< 12 ug/kg	NT	< 14 ug/kg	NT	< 12 ug/kg	NT
Carbon Disulfide	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Carbon Tetrachloride	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Chlorobenzene	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Chloroethane	< 12 ug/kg	NT	< 14 ug/kg	NT	< 12 ug/kg	NT
Chloroform	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Chloromethane (Methyl Chl	< 12 ug/kg	NT	< 14 ug/kg	NT	< 12 ug/kg	NT
cis-1,3-Dichloropropene	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Dibromochloromethane	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Ethylbenzene	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Methylene Chloride	< 6 ug/kg JBu	NT	< 7 ug/kg JBu	NT	< 6 ug/kg	NT
Styrene	< 6 ug/kg	NT	< 7 ug/kg	NT	3 ug/kg J	NT
Tetrachloroethene (PCE)	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Toluene	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Trans-1,3-Dichloropropene	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Trichloroethene (TCE)	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Vinyl Chloride	< 12 ug/kg	NT	< 14 ug/kg	NT	< 12 ug/kg	NT
Xylenes, Total	< 6 ug/kg	NT	< 7 ug/kg	NT	< 6 ug/kg	NT
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
1,2-Dichlorobenzene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT
1,3-Dichlorobenzene	< 410 ug/kg	NT	< 490 ug/kg	NT	< 400 ug/kg	NT

NT=Not Tested
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
(S) " m " = Type A Applicable Criteria (MDL Value Used)
"h" & "H" = Above Applicable Criteria
"U" = QL Not Demonstrably Below the Applicable Criteria

Table 8

Soil Boring Samples
Jackson Drop Forge Site
Jackson, Michigan

Location:	PH-1-6 S-1/1-2	PH-1-6 S-1/1-2	PH-1-6 S-2/5-6	PH-1-6 S-2/5-6
Sample ID:	Dup	Leach of 1410678		Leach of 1410680
Sampling Date:	05/05/94	05/05/94	05/05/94	05/05/94
Sample Number:	1410678	1410679	1410680	1410681
Cross Ref Sample:				
Semi-Volatile Organics				
Diethylphthalate	..	..	47 ug/kg J	..
Pesticides and Herbicides				
Endosulfan Sulfate	0.20 ug/kg J	..	0.20 ug/kg J	..
Metals				
Arsenic	..	0.225 mg/l	..	0.355 mg/l
Barium	..	0.624 mg/l	..	0.576 mg/l
Zinc	..	0.160 mg/l	..	0.124 mg/l
Physical Properties				
% Solids	>0.5 %	..	>0.5 %	..
Total Solids	82.3 %	..	84.5 %	..
Hazardous Parameters				
Ignitibility, As in 49CFR	passes	..	PASSES	..

* * = NOT TESTED OR NOT DETECTED
(S) = (No Pre-fix) Type B Soil (20 x Drinking Water Value) Criteria
(S) " * " = Type B Direct Contact Value Criteria
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"Q" = QL Not Demonstrably Below The Applicable Criteria

United States Environmental Protection Agency
Region 5

Date: DEC 0 2 1993

Subject: ACTION MEMORANDUM - Request for Approval to Initiate a Time-Critical Removal Action at the Jackson Drop Forge Site, Jackson, Jackson County, Michigan (Site ID #1U)

From: Jason H. El-Zein, On-Scene Coordinator
Emergency and Enforcement Response Branch - Section 1

To: William E. Muno, Director
Waste Management Division

Thru: for Jodi Traub, Acting Associate Division Director
Office of Superfund

I. PURPOSE

The purpose of this Action Memorandum is to obtain your approval to expend up to $1,815,000 to abate an imminent and substantial threat to public health and the environment which exists at the Jackson Drop Forge (JDF) site in Jackson, Jackson County, Michigan.

The JDF site presents a threat to public health because of the presence of an estimated 3,000 to 5,000 drums of industrial wastes which have been dumped onto the flood plain of the Grand River. Some of these waste drums are known to contain volatile organic compounds such as benzene, toluene, ethylbenzene, and xylene, and are suspected to contain a multitude of additional contaminants, including herbicides, pesticides, and heavy metals. Continued release of the contents of badly deteriorated drums of waste and dumped/buried waste sludge constituents is likely to occur until the site has been stabilized. Such releases present an imminent and substantial threat of direct contact and fire to the local human population and threaten to continue degradation of local groundwater and surface water of the Grand River. Additionally, the now-abandoned JDF facility proper contains an estimated 100 to 200 drums of industrial waste, electroplating wastes, including unsecured vats of highly toxic and corrosive chromic acid and a number of tanks which are suspected to contain fuels.

The proposed removal action will mitigate the potential for release of hazardous substances at the site by securing (fencing) the former facility proper, fencing drum dumping areas, prevent off-site migration of hazardous wastes/substances to surface water, removal of all surface waste drums to a more secure part of the site (facility proper) and initiation of disposal arrangements. The proposed response action is a time-critical removal.

The site is not on the National Priorities List.

DEC 1993

II. SITE CONDITIONS AND BACKGROUND

CERCLIS ID #MID0000056457

The JDF site is located at 2001 Wellworth Avenue and across Wellworth Avenue in the flood plain of the Grand River in Jackson, Jackson County, Michigan. JDF operated for over 40 years as a metal forging facility (or the "facility proper") for a wide range of industries which included oil and gas exploration, automotive/trucks, and train components. The JDF facility closed around 1989. Currently, there are approximately 100 to 200 drums that are accessible and open to the weather at the facility. Across the street from the facility several thousand drums and small containers are improperly disposed of in a flood plain of the Grand River and on private residential property without the property owner's consent. The flood plain area is bordered on the north by the Grand River and on the east, west, and south by vacant and residential property on Wellworth Avenue. The nearest private residence is located approximately 30 feet from the drums and small container dumping area.

On April 12, 1991, the Michigan Department of Natural Resources (MDNR) received a complaint from an anonymous caller that there were 3,000 drums located on the banks of the Grand River near the JDF site. The MDNR confirmed there were several hundred 55-gallon, 5-gallon, and 1-gallon containers at the site. The containers were in varying stages of deterioration, with a large number having leaked their contents into the surrounding environment. The MDNR interviewed the residents of 2050 Wellworth Avenue, directly south of the dumping area. One resident told MDNR that the drums were filled with a rubber sealant used to seal joints in highway concrete sections and he indicated that he used to work for the manufacturer in Michigan City.

In April 1993, the MDNR contacted the owners of the affected property concerning the complaint of improperly disposed of barrels on JDF property across from the JDF building and MDNR's plan to collect four samples from the barrels. The MDNR returned to the site again in July 1993 to collect four additional drum samples for analysis. In August 1993, the MDNR notified Jackson Innova Corporation, owners of JDF and some of the property where the drums were dumped, of their responsibilities and actions they needed to pursue.

On October 13, 1993, the MDNR verbally requested assistance from the United States Environmental Protection Agency (U.S. EPA) in conducting a site assessment of the JDF property. On October 18, 1993, U.S. EPA observed and documented the improper disposal of several thousand 55-gallon drums, 5-gallon containers, and 1-gallon cans. Most of the containers were in deteriorated conditions due to the apparent length of time they had been exposed to the weather. All of the containers were located in the flood plain of the Grand River with many standing in the water.

On October 25, 1993, the U.S. EPA conducted a preliminary sampling study of the flood plain and the JDF facility. Three soil samples and nine container samples were collected. Soil samples were analyzed for total and TCLP metals and PCBs. Container samples were analyzed for priority pollutants, pH, flash point, and reactivity.

Analytical results appearing in Table 1 represent concentrations of primary parameters analyzed in the drum and soil samples. Drum samples revealed the presence of solvents which include ethylbenzene and toluene. Flash point analysis revealed that three drums have a flash point below 140 degrees Fahrenheit (°F), which is considered a RCRA hazardous waste based on characteristic of ignitability (40 CFR part 261.21). pH analysis revealed that one drum has a pH level below 2 units, which is considered a RCRA hazardous waste based on characteristic of corrosivity (40 Code of Federal Regulations (CFR) 261.22). Soil analysis revealed that two samples have a TCLP level of lead above 5 mg/kg, which is considered a RCRA hazardous waste based on characteristic of toxicity (40 CFR 261.24).

On October 25, 1993, Gary Klepper, Supervisor of MDNR Jackson District Office, sent a letter to the U.S. EPA requesting immediate assistance to cleanup hazardous materials at the JDF site.

III. THREATS TO PUBLIC HEALTH, WELFARE, OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

Conditions at the JDF site present an imminent and substantial endangerment to public health or welfare or the environment based upon factors set forth in the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 CFR 300.415(b)(2). These factors include:

a) Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants;

Analysis of drum samples collected by the MDNR and U.S. EPA on July 15, 1993, and October 25, 1993, documented the presence of volatile organic compounds (VOCs), toluene (51,000 ppm), ethylbenzene (22,000 ppm), xylene (2,100 ppm), benzene (38 ppb), chlorobenzene (31 ppb), and 1,1 dichloroethene (34 ppb). Access to the thousands of drums which have been dumped and piled into the flood plain of the Grand River is unrestricted and available to recreational users of the river, unsuspecting children playing in the area, and to nearby residents. This results in a potential direct contact threat to these

TABLE 1

U.S. EPA SOIL AND DRUMS SAMPLE RESULTS
JACKSON DROP FORGE SITE
JACKSON, MICHIGAN

Parameters	Soil			Drums								
	JDF1	JDF4	JDF7	JDF2	JDF3	JDF5	JDF6	JDF8	JDF9	JDF10	JDF11	JDF12
Lead (mg/l)	13[a]	29	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (mg/kg)	10[b]	30	14	45	3.8	5.1	91	104	ND	279,000	ND	ND
Flash Point (°F)	NA	NA	NA	71	112	>200	>200	98	>200	>200	>200	>200
pH (units)	NA	NA	NA	7.6	7.3	8.4	7.9	6.5	8.5	1.3	7.9	9.3
Reactive Cyanide (mg/kg)	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	2,000	ND
Reactive Sulfide (mg/kg)	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	550
Ethylbenzene (mg/kg)	NA	NA	NA	22,000	0.21	ND	ND	410	1,400	ND	ND	ND
Toluene (mg/kg)	NA	NA	NA	31,000	1.5	ND	ND	170	ND	ND	ND	ND

a - Results are TCLP
b - Results are totals
NA - Not Analyzed
ND - Not Detected at instrument detection limit

parties. At the same time, deterioration of these thousands of drums is extreme. Many drums are open and leaking and have released their contents into the flood plain. As water levels along the drum area increase, spilled contaminants are washed or leached into the river.

The presence of 100 to 200 drums of industrial wastes at the abandoned facility proper poses a similar direct contact concern. This facility is not secure, many of the site's buildings have no doors, none have locked doors. Drum samples collected by TAT contractor personnel on October 25, 1993, documented the presence of highly corrosive materials (pH - 14) contained in open drums. Leaking vats of plating solution (suspected chromic acid) likewise pose extreme direct contact threat to unknowing children or any member of the public accessing the site.

b) Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release;

As previously mentioned, virtually all of the estimated 3,000 to 5,000 surface drums at the site are in poor, deteriorated condition. Many have already released their contents to the surrounding soils and surface water. High levels of lead in the soil are an indication of release. Continued release will surely occur until these drums and their contents are removed from the flood plain and the remaining contaminated soils and fill are isolated from the river or otherwise prevented from contaminating the river.

c) High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate;

Observation of the drum/sludge dumping area reveals that the area was used to landfill bulk industrial waste sludges in the flood plain of the Grand River. The absence of cover material over these sludges, some of which have a wet, oily appearance, allows contact with the Grand River to readily occur. This contact, along with the contact from spilled, leaked wastes from deteriorated drums, is very certainly causing migration of waste constituents to the river's surface water and sediment. Analytical results of samples collected from the site soil have revealed high levels of lead (see Table 1).

It is highly suspected that additional drums, perhaps several thousand, may be buried in the flood plain along with loose waste sludges. Constituents of these wastes will continue to migrate to the river until action is taken to prevent such migration.

d) Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released;

Upcoming fall, winter, and spring weather conditions will cause the drums of waste to enter yet another cycle of flood conditions whereby contaminants and whole drums will be moved into the main river channel. Freeze/thaw conditions of winter will cause further degradation of container integrity and result in additional drums releasing their contents to the river and flood plain.

e) Threat or fire and/or explosion;

Analytical results (flash point <140°F) of waste in the drum disposal area and at the facility itself show that the waste is capable of sustaining ignition at both locations. Any uncontrolled fire at either location would likely result in the emission of extremely hazardous byproducts of incomplete combustion of the myriad of hazardous contaminants suspected to be present. Such emission would require emergency evacuation/relocation of residents downwind of the site.

f) The availability of other appropriate Federal or State response mechanisms to respond to the release;

The MDNR has requested that U.S. EPA institute response action at the site since it has no funding resources to perform a cleanup itself. This request was made by Gary Klepper of the MDNR in a letter dated October 25, 1993.

IV. ENDANGERMENT DETERMINATION

Given the nature of the site, the unrestricted access to contaminants, the location of wastes in the flood plain of the Grand River, the nature of these hazardous substances (caustics (D002), flammables (D001), solvents, and lead), and exposure pathways which include direct contact between the public and hazardous substances, and migration through ground and surface waters, if not addressed by implementing the response action proposed in this action memorandum, may present an imminent and substantial endangerment to nearby residents or the environment.

V. PROPOSED ACTIONS AND ESTIMATED COSTS

The purpose of this removal action is to mitigate the imminent and substantial threats posed to public health or welfare and the environment.

The following removal activities are proposed:

1. Develop and implement a site health and safety plan;

2. Develop and implement an air monitoring program during site activities;

3. Establish site security, including restricting access to the site by upgrading existing fences and gates around the facility and by installing new fencing around the drum dumping areas;

4. Prevent off-site migration of hazardous wastes/substances to surface water;

5. Identify, inventory, and characterize hazardous substances/wastes in drums, small containers, vats, and tanks, and properly dispose of hazardous wastes at RCRA/CERCLA-approved facilities in accordance with the U.S. EPA off-site policy;

6. Identify all waste burial locations at the site;

7. Remove and dispose of grossly contaminated surface soil associated with leaking drums and other containers; and

8. Perform an extent-of-contamination study to determine the extent to which soil, groundwater, and surface water on and around the site may have been impacted by hazardous waste deposition.

Removal activities will require approximately 100 working days to complete. The threats posed by the drums, small containers, vats and other containers, and contaminated surface soil meet criteria listed in Section 200.415(b)(2) of the National Contingency Plan (NCP) and are consistent with any long-term remedial action which may be required.

The OSC has begun planning for the provision of post-removal site control, consistent with the provisions of Section 300.415(k) of the NCP. The nature of this removal, elimination of all surface threats, is, however, expected to minimize the need for post-removal site control.

Results of the extent-of-contamination study will be turned over to pre-remedial program for consideration under SACM and/or remedial action.

The detailed contractor costs are presented in Attachment 1 and estimated project costs are summarized below:

EXTRAMURAL COSTS:	
Cleanup Contractor Costs	$1,100,000
Contingency (15%)	165,000
Subtotal	$1,265,000
Total TAT, including multiplier costs	150,000
Extramural Subtotal	$1,415,000
Extramural Contingency (20%)	283,000
TOTAL, EXTRAMURAL COSTS:	$1,698,000
INTRAMURAL COSTS:	
U.S. EPA Direct Costs [$30/hr x (1,200 Regional + 120 HQ hrs)]	$ 40,000
U.S. EPA Indirect Costs [$64/hr x (1,200 Regional hrs)]	77,000
TOTAL INTRAMURAL COSTS	$ 117,000
TOTAL REMOVAL PROJECT CEILING ESTIMATE:	$1,815,000

The response actions described in this memorandum directly address actual or threatened releases of hazardous substances, pollutants, or contaminants at the facility which may pose an imminent and substantial endangerment to public health and safety, and to the environment. These response actions do not impose a burden on affected property disproportionate to the extent to which that property contributes to the conditions being addressed.

Applicable or Relevant and Appropriate Requirements (ARARs)

All applicable or relevant and appropriate requirements (ARARs) of Federal law will be complied with to the extent practicable. A letter has been sent to the MDNR Emergency Response Division, Jackson, Michigan, office requesting that it identify State ARARs. Any State ARARs identified in a timely manner for this removal action will be complied with to the extent practicable.

VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

If action is delayed or denied, public health and environmental concerns will continue and, if delayed too long, could increase health risks to nearby residents. Release or volatilization of hazardous substances or any fire could affect nearby residents and industrial areas.

VII. OUTSTANDING POLICY ISSUES

There are no outstanding policy issues associated with this site.

VIII. ENFORCEMENT

For administrative purposes, information concerning the enforcement strategy for this site is contained in an Enforcement Confidential addendum.

IX. RECOMMENDATION

This decision document represents the selected removal action for the Jackson Drop Forge site in Jackson, Jackson County, Michigan, developed in accordance with CERCLA, as amended, and is not inconsistent with the NCP.

This decision is based on the Administrative Record for the site, the index of which is Attachment 2. Conditions at the site meet the NCP, Section 300.415(b)(2) criteria for a removal and I recommend your approval of the proposed removal action. The total project ceiling, if approved, will be $1,815,000. Of this, an estimated $1,548,000 may be used for cleanup contractor costs. You may indicate your decision by signing below.

APPROVE: _____ DATE: 12/2/93
for Director, Waste Management Division

DISAPPROVE: _____ DATE: _____
Director, Waste Management Division

Enforcement Addendum
Attachments
1. Cleanup Contractor Cost Estimate
2. Index to the Administrative Record

cc: Alan Howard, Michigan Department of Natural Resources
Sheila Huff, U.S. Department of the Interior
Terri Johnson, U.S. EPA, OERR, 5202-G

ENFORCEMENT ADDENDUM

Redacted - not relevant to the selection of the removal action.

ATTACHMENT 1

CLEANUP CONTRACTOR COST ESTIMATE
JACKSON DROP FORGE SITE
JACKSON, JACKSON COUNTY, MICHIGAN

NOVEMBER 1993

The estimated cleanup contractor costs are as follows:

Personnel and Equipment	$ 400,000
Transportation and Disposal	600,000
ERCS Subcontractors	100,000
TOTAL	$1,100,000

ATTACHMENT 2

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL ACTION

ADMINISTRATIVE RECORD
FOR
JACKSON DROP FORGE
JACKSON, MICHIGAN

November 19, 1993

DATE	AUTHOR	RECIPIENT	TITLE/DESCRIPTION	PAGES
07/15/93	Masson, P., MDNR	Site File	Analytical Results	26
10/25/93	Klepper, G., MDNR	El-Zein, J., U.S. EPA	Letter Requesting U.S. EPA Assistance	1
10/28/93	El-Zein, J., U.S. EPA	Masson, P., MDNR	Letter Requesting State ARARs	1
11/01/93	Karl, R., U.S. EPA	Recipients	General Notice of Potential Liability	4
00/00/00	Lancaster, E., E & E	Pfundheller, J., U. S. EPA	Site Assessment (Pending)	
00/00/00	El-Zein, J., U.S. EPA	Muno, W., U.S. EPA	Action Memorandum (Pending)	

Printed: 09/28/94

Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		PH1-1	PH1-1	PH1-3	PH1-4	PH1-5
Sample ID:	Applicable					
Sampling Date:	Standards	05/11/94	05/16/94	05/11/94	05/11/94	05/11/94
Sample Number:	(GW)	1411051	1411430	1411049	1411045	1411043
		1411050		1411048	1411044	1411042
Volatile Organics						
1,1,1-Trichloroethane	200.00	< 5 ug/l	NT	< 5 ug/l	< 5 ug/l	< 5 ug/l
1,1,2,2-Tetrachloroethane	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
1,1,2-Trichloroethane	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
1,1-Dichloroethane	840.00	< 5 ug/l	NT	< 5 ug/l	< 5 ug/l	< 5 ug/l
1,1-Dichloroethene	7.0	< 5 ug/l	NT	< 5 ug/l	< 5 ug/l	< 5 ug/l
1,2-Dichloroethane	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
1,2-Dichloroethene(total)	77.0	< 5 ug/l	NT	< 5 ug/l	< 5 ug/l	< 5 ug/l
1,2-Dichloropropane	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
2-Butanone (MEK)	320.00	< 10 ug/l	NT	< 10 ug/l	< 10 ug/l	< 10 ug/l
2-Hexanone	980.00	< 10 ug/l	NT	< 10 ug/l	< 10 ug/l	< 10 ug/l
4-Methyl-2-Pentanone (MIBK)	350.00	< 10 ug/l	NT	< 10 ug/l	< 10 ug/l	< 10 ug/l
Acetone	700.00	< 20 ug/l Bu	NT	< 16 ug/l u	2800 ug/l g	< 43 ug/l u
Benzene	1.20	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Bromodichloromethane	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Bromoform	4.60	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Bromomethane(MethylBromide)	9.80	< 10 ug/l G	NT	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Carbon Disulfide	770.00	< 5 ug/l	NT	< 5 ug/l	< 5 ug/l	< 5 ug/l
Carbon Tetrachloride	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Chlorobenzene	130.00	< 5 ug/l	NT	< 5 ug/l	< 5 ug/l	< 5 ug/l
Chloroethane	9.10	< 10 ug/l G	NT	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Chloroform	5.60	< 5 ug/l	NT	< 5 ug/l	< 5 ug/l	< 5 ug/l
Chloromethane (Methyl Chlorid	2.70	< 10 ug/l G	NT	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
cis-1,3-Dichloropropene	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Dibromochloromethane	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Ethylbenzene	680.00	2 ug/l J	NT	3 ug/l J	< 5 ug/l	< 5 ug/l
Methylene Chloride	4.60	< 5 ug/l JBu G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l JBu G
Styrene	1.20	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Tetrachloroethene (PCE)	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Toluene	1500.00	< 5 ug/l	NT	< 5 ug/l	< 5 ug/l	< 5 ug/l
Trans-1,3-Dichloropropene	m 1.00	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Trichloroethene (TCE)	2.20	< 5 ug/l G	NT	< 5 ug/l G	< 5 ug/l G	< 5 ug/l G
Vinyl Chloride	m 1.00	< 10 ug/l G	NT	< 10 ug/l G	< 10 ug/l G	< 10 ug/l G
Xylenes, Total	13000.00	18 ug/l	NT	27 ug/l	3 ug/l J	8 ug/l
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	110.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
1,2-Dichlorobenzene	600.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
1,3-Dichlorobenzene	600.00	NT	< 11 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l

NT=Not Tested
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria

Printed: 09/28/94

Table 10

Groundwater Samples
Jackson Drop Forge Site
Jackson, Michigan

Location ID:		PH1-6	PH-1-6
Sample ID:	Applicable		
Sampling Date:	Standards	05/11/94	05/16/94
Sample Number:	(GW)	1411047	1411429
		1411046	
Volatile Organics			
Ethylbenzene	680.00	3 ug/l J	..
Trichloroethene (TCE)	2.20	3 ug/l J g	..
Xylenes, Total	13000.00	34 ug/l	..
Semi-Volatile Organics			
bis(2-Ethylhexyl)phthalate	m 5.00	..	3 ug/l J
Butylbenzylphthalate	1100.00	..	1 ug/l J
Metals			
Barium	FILTER 2.4	0.054 mg/l	..

".." = NOT TESTED OR NOT DETECTED
(GW) = (No Pre-Fix)Type B Groundwater Health Based Drinking Water Criteria
(GW) = "m" - Type A Applicable Criteria (MDL Value Used)
"g" = Above Applicable Criteria Hits
"G" = QL Above Applicable Criteria
"Q" = QL Not Demonstrably Below The Applicable Criteria