EQ Tracking #_____

WASTE CHARACTERIZATION REPORT

TO EXPEDITE YOUR WASTE APPROVAL, PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Please Choose One EQ Management Facility

☐ Michigan Disposal Waste Treatment Plant (Stabilization and Treatment)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ Wayne Disposal, Inc. Site #2 Landfill (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 048 090 633
☒ Michigan Recovery Systems, Inc. (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road Phone: 800-521-0998	Romulus, MI 48174 Fax: 734-326-9375	EPA ID # MID 060 975 844
☐ EQ/S – Transfer & Processing (Hazardous/Non-Hazardous Liquid Processing)	1010 Old Rawsonville Road Phone: 734-547-1000	Ypsilanti, MI 48197 Fax: 734-480-9195	EPA ID # MIR 000 033 969

Section 1 - Generator & Customer Information

A

SIC # ____

Generator EPA ID # OHR 000 100 081

Generator USEPA Region V - Jefferson Processing

Facility Address 42-03 County Road 74

City Mingo Junction State OH Zip 43938

Mailing Address (if different) 770 Jackson Blvd

City Chicago State IL Zip 60604

Generator Contact Thomas Cook

Title OSC

Phone 312 886 7182 Fax 312 353 9176

EQ Customer No. ____

Invoicing Company Capitol Environmental

Address 8229 Boone Blvd Suite 310

City Vienna State VA Zip 22182

Country USA

Invoicing Contact Nicole White

Phone 703-356-3135 Fax 703-356-4198

Technical Contact Susan Schult

Phone 301-218-6607 Fax 301-218-6612

Section 2 - Shipping and Packaging Information

2.1) Shipping volume: 1 x 55 gal

Shipping frequency: ☒ One Time Only ☐ Annual

2.2) DOT Shipping name: (1) Waste Flammable liquids (water, Petroleum Distillates) 3 UN1993 PG III

2.3) Packaging: (check all that apply)

- ☐ Bulk Solid (Yd³ < 2000 lbs/yd³)
- ☐ Bulk Solid (Ton > 2000 lbs/yd³)
- ☐ Bulk Liquids (Gallons)
- ☐ Cubic Yard Boxes
- ☒ Drums
- ☐ Other (pallet-wrap, 5 gal pails, etc.) ____

Quoted bulk disposal charges for solid materials will be billed by the cubic yd. If waste density is less than 2,000 lbs. per cubic yd. If waste density is greater than 2,000 lbs. per cubic yd., then bulk disposal charges will be billed by the ton regardless of the approved container.

Section 3 - Physical Characteristics

WASTE COMMON NAME: Flammable Liquid - item A

3.1) Color (described): ____

3.2) Odor (described): mild organic

3.3) Physical state at 70°F: (check all that apply)

☐ Solid ☐ Dust ☒ Liquid ☐ Sludge

3.4) Does this waste contain: (check all that apply)

☒ Free liquids ☐ Metal fines ☐ Powders ☐ Oily residue

☐ Biodegradable sorbents ☐ NONE

3.5) Does this waste contain: (check all that apply) ☒ NONE

☐ Asbestos - friable ☐ Pyrophoric waste

☐ Asbestos - non-friable ☐ Reactive waste

☐ Dioxins ☐ Shock Sensitive waste

☐ Furans ☐ Radioactive waste

☐ Biohazard ☐ Explosives

3.6) Describe the composition of the waste (i.e. key chemical compounds, soil, water, pipe, debris, etc.):

Aqueous Solution contaminated w/ Petroleum distillates	0 to 100 %
Sludge	0 to 5 %
	____ to ____ %
	____ to ____ %
	Total = 100 %

3.7) Does this waste contain > 50% contaminated soil? ☐ Yes ☒ No

3.8) Does this waste contain >50% debris by volume? ☐ Yes ☒ No (debris is greater than 2.5 inches in size)

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EPA Region 5 Records Ctr.

388221

Section 4 - Generating Process and Regulatory Information

4.1) Provide a detailed description of the process (es) generating this waste (attach flow diagram if available)

Cleanup of a former site

Based upon RCRA waste regulations (40 CFR 261) and Michigan Act 451 Rules:

			Waste Code(s)
4.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)?	☐ Yes	☒ No	
4.3) Is this a MICHIGAN hazardous waste (Other than RCRA)?	☐ Yes	☒ No	
4.4) Is this a MICHIGAN nonhazardous liquid industrial waste?	☐ Yes	☒ No	
4.5) Is this a UNIVERSAL waste?	☐ Yes	☒ No	
4.6) Does this waste exceed LDR treatment standards?	☒ Yes	☐ No	
4.7) Is this an EPA RCRA characteristic hazardous waste(D001-D043)?	☒ Yes	☐ No	D001

4.8) What is the flash point of this waste? ☐ <90°F ☒ 90-140°F ☐ >140°F ☐ >200°F

4.9) Is the waste an oxidizer?	☐ Yes	☒ No
4.10) What is the pH of this waste? ☐ <2 ☐ 2-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5		
4.11) Does this waste contain reactive cyanide ≥ 250 ppm?	☐ Yes	☒ No
4.12) Does this waste contain reactive sulfide > 500 ppm?	☐ Yes	☒ No
4.13) Is the waste surcharge exempt? (attach surcharge form)	☐ Yes	☒ No

Code		Regulatory Level TCLP (mg/L)	Concentration (if above)	Code		Regulatory Level TCLP (mg/L)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above ____	D024	m-Cresol	200	☒ Below ☐ Above ____
D005	Barium	100	☒ Below ☐ Above ____	D025	p-Cresol	200	☒ Below ☐ Above ____
D006	Cadmium	1	☒ Below ☐ Above ____	D026	Cresols	200	☒ Below ☐ Above ____
D007	Chromium	5	☒ Below ☐ Above ____	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above ____
D008	Lead	5	☒ Below ☐ Above ____	D028	1,2-Dichloroethane	0.5	☒ Below ☐ Above ____
D009	Mercury	0.2	☒ Below ☐ Above ____	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above ____
D010	Selenium	1	☒ Below ☐ Above ____	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above ____
D011	Silver	5	☒ Below ☐ Above ____	D031	Heptachlor	0.008	☒ Below ☐ Above ____
D012	Endrin	0.02	☒ Below ☐ Above ____	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above ____
D013	Lindane	0.4	☒ Below ☐ Above ____	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above ____
D014	Methoxychlor	10	☒ Below ☐ Above ____	D034	Hexachloroethane	3.0	☒ Below ☐ Above ____
D015	Toxaphene	0.5	☒ Below ☐ Above ____	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above ____
D016	2,4-D	10	☒ Below ☐ Above ____	D036	Nitrobenzene	2	☒ Below ☐ Above ____
D017	2,4,5-TP(Silvex)	1	☒ Below ☐ Above ____	D037	Pentachlorophenol	100	☒ Below ☐ Above ____
D018	Benzene	0.5	☒ Below ☐ Above ____	D038	Pyridine	5	☒ Below ☐ Above ____
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above ____	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above ____
D020	Chlordane	0.03	☒ Below ☐ Above ____	D040	Trichloroethylene	0.5	☒ Below ☐ Above ____
D021	Chlorobenzene	100	☒ Below ☐ Above ____	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above ____
D022	Chloroform	6.0	☒ Below ☐ Above ____	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above ____
D023	o-Cresol	200	☒ Below ☐ Above ____	D043	Vinyl Chloride	0.2	☒ Below ☐ Above ____

4.14) The hazardous constituent information is based on: ☐ Analysis (Please attach for review) ☐ Generator Knowledge ☒ Both

4.15) If this is a characteristic (D-coded) hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No ☐ N/A

- If yes, indicate all hazardous constituents and their concentrations in the table provided in Section 5.

Section 5 - Constituent Information

Review the following items in the EQ Resource Guide and indicate their concentrations below:

1) MVOC (MDWTP Volatile Organic Compounds) 2) CCVOC (Subpart CC Volatile Organic Compounds)
3) UHC (Underlying Hazardous Constituents) 4) TRI (Toxic Release Inventory Constituents)

Indicate all constituents in your waste stream, their concentrations and circle Yes or No for UHC:

UHC? Yes-No	Yes-No UHC?
Yes-No	Yes-No
Yes-No	Yes-No

Section 6 - PCB & TSCA Information

6.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm

6.2) Does the waste contain PCB contamination from a source with a concentration ≥50 ppm? ☐ Yes ☒ No

6.3) Does the waste contain free liquids? (use paint filter test) ☒ Yes ☐ No

6.4) Has this waste been processed into a non-liquid form? ☐ Yes ☒ No

If yes, what was the concentration of PCBs prior to processing? ☒ N/A ☐ 0-499 ppm ☐ 500+ ppm

6.5) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☒ No

6.6) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No

6.7) Has the PCB article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 7 - Benzene NESHAP Information

NESHAP SIC CODES		
2812	2836	2871
2816	2841	2879
2818	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2865	2899
2824	2865	29[illegible]
2835	2869	33[illegible]
2834	2872	49[illegible]
2835	2874	95[illegible]

7.1) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☒ No

7.2) Does your company manage wastes from facilities with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☒ No

→ *If you answered "NO" to question 7.1 AND 7.2 please skip to Section 8.*

7.3) Does the waste contain >10 % water? ☐ Yes ☐ No

7.4) What is the TAB quantity for your facility? _____ Mg/Year

7.5) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No

7.6) What is the total Benzene concentration in your waste? _____ percent or _____ ppmw

→ *(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602, and 624.)*

Section 8 - Waste Constituent Information

→ COMPLETE FOR MICHIGAN DISPOSAL WASTE TREATMENT PLANT AND WAYNE DISPOSAL AND RUST T&P

8.1) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? ☐ Yes ☒ No

8.2) Does this waste contain any MVOC constituents as defined in the EQ Resource Guide? ☐ Yes ☒ No

8.3) Is this waste subject to Subpart CC regulation (i.e., contain ≥500ppm (VOCs) Volatile Organic Compounds)? ☐ Yes ☒ No

→ If 8.1, 8.2 or 8.3 is "yes" --please indicate the constituents and their concentrations in the table provided in Section 5

Section 9 - Reclamation/Recycling/Fuel Blending

→ Complete for Michigan Recovery Systems ONLY

9.1) Heat Value (BTU/lb) < 5000 lb 9.3) Water (%) 260

9.2) Chlorine (%) < 1 % 9.4) Solids (%) < 5 %

Section 10 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature _____ Printed Name _____

Company _____ Title _____ Date _____

The generator's signature must appear on the EQ Waste Characterization Report. If the generator has authorized a third-party to certify this document, a written notice (on generator letterhead) must accompany this submittal.
Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

10102 Rocket Blvd. - Orlando, FL 32824 ph 407-459-4441 Fax: 407-855-2812
10550 Allen Rd. - Brownstown, MI 48193 313-283-9251 Fax: 734-282-1655
1822 James P. Rodgers Circle - Valdosta 912-244-0474 Fax: 912-333-0328

WASTE MATERIAL PROFILE

Please Print

A: GENERATOR: USEPA Region 5 - Jefferson Township EPA ID: OHR 000 100 081
4392 County Road 74, Village Junction, OH 43938
STREET ADDRESS STATE ZIP
77 W. Jackson Blvd. Chicago IL 60604
MAILING ADDRESS STATE ZIP
CONTACT: Thomas Cook PHONE: 312 886 7182 FAX: 312 353 9176

B: BILL TO: Capital Environmental Services, Inc.
8229 Boone Blvd., Suite 310 Vienna, VA 22182
MAILING ADDRESS STATE ZIP
CONTACT: Susan Schuh PHONE: 301-218-6607 FAX: 301-218-6612

C: COMMON NAME OF THE WASTE (PLEASE PRINT) Flammable / Corrosive drum. - Item 6
GENERATING PROCESS (attach flow diagram if available):
Clean up of cercla site

IS THIS WASTE

	YES	NO		YES	NO
Spent	☐	☒	Spill	☐	☒
Virgin	☐	☒	Labpack	☐	☒ (Attach Inventory Sheet)
Off-Spec	☒	☐	Subject to an exemption?	☐	☒ (Check Below)
WWT sludge	☐	☒			

☐ Household waste? ☐ Soil from UST removal ☐ Other?

D: COMPOSITION OF WASTE: List all chemical/components. Provide MSDS's or analysis if available

Chemicals/components	%	Chemicals/compounds	%	Chemicals/compounds	%
Water	45-65%				
Sodium hydroxide	4-15%				
petroleum distillates	20-40%				

Total Must = 100

E: HAZARDOUS CHARACTERISTICS:

	YES	NO		
Is this waste a: Radioactive	☐	☒		
Bio-Hazard	☐	☒		
Polymerizable	☐	☒		
Does this waste contain: asbestos	☐	☒		
PCBs > 50 ppm	☐	☒	→	☐ Flmable ☐ Non Flmable?
Heavy Metal: Chromium	☐	☒	→	Conc? ____ ppm
HOCs > 1000ppm	☐	☒	→	Conc? ____ ppm
VOCs > 500ppm	☒	☐	→	Conc? ____ ppm
			→	Conc? ____ ppm (flash point 200 & 203 minimum cut) ☐

F: PHYSICAL DATA:

Odor	Flash Point	pH	Spec. Grav.	BTU/lb	Cyanide % by wt	Water % by vol
Strong ☐	<73 ☐	0 ☐	0.8 ☐	<5000 ☒	<1 ☒	<5 ☐
Mild ☐	73-99 ☐	2.1-7 ☐	0.8-1.0 ☐	5-10000 ☐	2-5 ☐	5-10 ☐
None ☐	100-139 ☒	7.1-12.4 ☐	1.1-1.7 ☒	>10000 ☐	5-8 ☐	10-15 ☐
Describe	140-200 ☐	>12.5 ☒	>1.7 ☐		8-11 ☐	15-20 ☐
	>200 ☐	N/A ☐			11-14 ☐	20-25 ☐
	N/A ☐				>14 ☐	>25 ☒

Size: Solids: ____ % → Dust: ☐ Granular ☐ Chunks ☐ Monolith ☐ in Gal: ____
Sludge ____ % → Pumpable: ☒ Yes ☐ No Pourable: ☒ Yes ☐ No ☐ in Gals ____
Liquid 100 % → Free Liquids: ☒ Yes ☐ No Viscosity: ☒ Low ☐ Medium ☐ High
Debris ____ % → Describe (size & content):

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G. WASTE CHARACTERIZATION:

	YES	NO
1. Is this a listed EPA RCRA hazardous waste (F,K,P,U) as defined in 40 CFR 261.30	☐	☒
2. a. Is this a liquid waste with a flash point <140F as defined in 40 CFR 261.21 (D001)	☐	☒
b. Is this an ignitable solid as defined in 40 CFR 261.21 (D001)	☐	☒
c. Is this an oxidizer as defined in 49 CFR 173.127. (D001)	☐	☒
d. If yes to a,b, or c. Is this a High TOC waste	☐	☒
3. a. Is this a liquid waste with a pH<2 or >12.5. (D002)	☐	☒
b. Is this a liquid waste that corrodes steel as defined in 40 CFR 261.22 (D002).	☐	☒
4. Is this a reactive waste as defined in 40 CFR 261.23. (D003)	☐	☒

If yes, check the subcategory: ☐ Water Reactive ☐ Air Reactive ☐ Explosive ☐ Other Reactive

Reactive Cyanide: conc. _____ ppm Reactive Sulfide: conc. _____ ppm

Waste Code	Constituent	< Than	Reg Level	> Than	Conc	Waste Code	Constituent	< Than	Reg Level	> Than	Conc
D004	Arsenic	☒	5.0	☐		D024	m-Cresol	☒	200	☐	
D005	Barium	☒	100	☐		D025	p-Cresol	☒	200	☐	
D006	Cadmium	☒	1.0	☐		D026	Cresol(m, m, p)	☒	200	☐	
D007	Chromium	☒	5.0	☐		D027	1,4 Dichlorobenzene	☒	7.5	☐	
D008	Lead	☒	5.0	☐		D028	1,2-Dichloroethane	☒	0.5	☐	
D009	Mercury	☒	0.2	☐		D029	1,1-Dichloroethylene	☒	0.7	☐	
D010	Selenium	☒	1.0	☐		D030	2,4-Dinitrotoluene	☒	0.13	☐	
D011	Silver	☒	5.0	☐		D031	Heptachlor	☒	0.008	☐	
D012	Endrin	☒	0.02	☐		D032	Hexachlorobenzene	☒	0.13	☐	
D013	Lindane	☒	0.4	☐		D033	Hexacholorobutadiene	☒	0.5	☐	
D014	Methoxychlor	☒	10	☐		D034	Hexachloroethane	☒	3.0	☐	
D015	Toxaphene	☒	0.5	☐		D035	Methyl Ethyl Ketone	☒	200	☐	
D016	2,4 - D	☒	10	☐		D036	Nitrobenzene	☒	2.0	☐	
D017	2,4,5-TP(Silvex)	☒	1	☐		D037	Pentachlorophenol	☒	100	☐	
D018	Benzene	☒	0.5	☐		D038	Pyridine	☒	5.0	☐	
D019	Carbon Tetrachloride	☒	0.5	☐		D039	Tetrachloroethylene	☒	0.7	☐	
D020	Chlordane	☒	0.03	☐		D040	Trichloroethylene	☒	0.5	☐	
D021	Chlorobenzene	☒	100	☐		D041	2,4,5-Trichlorophenol	☒	400	☐	
D022	Chloroform	☒	6.0	☐		D042	2,4,6-Trichlorophenol	☒	2.0	☐	
D023	o-Cresol	☒	200	☐		D043	Vinyl Chloride	☒	0.2	☐	

Based on: Total Analysis ☒ TCLP Analysis ☐ Generator Knowledge ☒

	YES	NO
5. Is this a EPA Toxic Waste (D004-D043)* as defined in 40 CFR 261.24?	☐	☒
If D009: is the total Mercury concentration above 260 ppm?	☐	☒
* If this is a D001, D002, D003(reactive) or D004-D043 does it contain any of the Underlying Hazardous Constituents (UHC) above Universal Treatment Standards(UTS)? If Yes, include a UTS/UHC form with the profile	☐	☒
6. Is this waste a Dioxin Or Furan per 40 CFR 261.31?	☐	☒
7. a. Is this a Non-Hazardous Waste?	☐	☒
FOR WASTE DISPOSAL AT PERMA-FIX OF MICHIGAN ONLY:		
b. Is this a hazardous Waste by state regulation only	☐	☒
c. Is this a Michigan Act 451 listed hazardous waste?	☐	☒

If you answered Yes to any question in Section C, enter the appropriate waste code(s) on the lines below.

Waste Codes: D001 D002 _____ _____ _____ _____ _____

Please list any Toxic Release Inventory Constituents per EPCRA Section 313 not identified above.

_____

_____

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H. BENZENE NESHAP 40 CFR 61, SUBPART FF (Hazardous waste with Benzene Gray) — YES ☐ NO ☒

If question 1, 2 or 3 is No, proceed to section I.

1. Is this waste stream generated at a facility with a SIC code listed under NESHAP, or a TSDF that treats NESHAP waste? SIC Code _____ (Listed codes: 2800-2899, 2911, or 3312) — ☐ ☒
2. Does the waste contain > 10% water — ☐ ☒
3. Is the total Annual Benzene quantity from the facility waste greater than 10Mg/Yr (22,000lbs/yr). — ☐ ☒

If Question 1, 2, or 3 is No, proceed to Section I

4. What is the total Benzene concentration in Your Waste? _____ % or _____ ppmw.
(Do not use TCLP results. Acceptable laboratory methods include 8020, 8240, 8260, 602, and 624)
5. What is the TAB quantity for the generator facility? _____ Mg/Year

I. PACKAGING QUANTITY

1. Non-Bulk: ☐ 1 gal ☐ 5 gal ☐ 55 gal ☒ 85 gal ☐ Other _____
Cubic Yard ☐ Boxes ☐ Bags ☐ Totes ☐ Pallets ☐ Other _____
Quantity 1 Per: ☐ Month ☐ Quarter ☐ Year ☒ Once
2. Bulk: ☐ Tanker ☐ Vac Truck ☐ Rolloff ☐ Dump Trailer ☐ Closed Top ☐ Open Top
☐ Gallons ☐ Pounds ☐ Yards ☐ Tons
Quantity _____ lbs. Per: ☐ Month ☐ Quarter ☐ Year ☐ Once

J. DOT SHIPPING INFORMATION:

Enter proper DOT shipping name from 49 CFR 172.101 table:

"RQ" Waste Flammable liquid, corrosive, n.o.s.

List 2 major components: petroleum distillates / sodium hydroxide

Hazard Class 3 UN/NA code UN2924 PG III

K. ATTACHMENTS: (Check all that apply and include with profile)

- ☒ UTS/D/C Form
- ☐ Analysis
- ☐ Additional Description
- ☐ Process Flow Diagram
- ☐ PCB source statement
- ☐ Material Safety Data Sheet
- ☐ Generator authorization
- ☐ Labpack inventory sheet
- ☒ Land Disposal Notification

L. CERTIFICATION:

I hereby certify that all the information submitted in this and all attached documents is complete and accurate. All known and suspected hazards have been disclosed. By signing below, I give Forma-Fix Environmental Services, Inc., and all of its subsidiaries, permission to make minor changes to this profile prior to its acceptance should they find an error or omission.

Printed Name: _____ Signature: X _____ Date: _____

**Signatures other than the generator are required to submit an approved authorization letter from the generator to certify this profile

INTERNAL USE ONLY Review 1 _____ 2 _____ 3 _____

Profile I.D. No. _____ APPROVED ☐ REJECTED ☐ Form Code B _____

Waste Codes _____

DOT _____

Destination/Consolidation Code _____ Price & Initial _____

Out Bound Approval _____ Facility _____

Notes: _____

Chemical Conservation Corp. 7LDR055778 | Forma-Fix of Michigan, Inc. MID094983514 | Chemical Conservation of Georgia CAD093380814

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List all constituents on both pages of this document that are present in D001 (except for TOC2 (PIL), D002, D003 and D004-D043 waste streams in concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an asterisk. (# Explosive, water reactive and other reactive only) (WW = Wastewater, NWW = Non-Wastewater). Insert the manifest line identifier (M.L.) in the boxed to the left of the constituents. If using this form in association with a profile, place an X in the box next to the appropriate constituent(s).

M.L.		WW	NWW
	A2213	0.042	1.4
	Acenaphthene	0.059	3.4
	Acenaphthylene	0.059	3.4
	Acetone	0.28	160
	Acetonitrile	5.6	38
	Acetophenone	0.01	9.7
	2-Acetylaminofluorene	0.059	140
	Acrolein	0.29	N/A
	Acrylamide	19	23
	Acrylonitrile	0.24	84
	Aldicarb sulfone	0.056	0.28
	Aldrin	0.021	0.066
	4-Aminobiphenyl	0.13	N/A
	Aniline	0.81	14
	Anthracene	0.059	3.4
	Aramite	0.36	N/A
	Barban	0.056	1.4
	Benfluralin	0.056	1.4
	Benzidine phenol	0.056	1.4
	Benzoyl	0.056	1.4
	Benz (a) anthracene	0.059	3.4
	Benzal Chloride	0.056	6
	Benzene	0.14	10
	Benzo (b) fluoranthene	0.11	6.8
	Benzo (k) fluoranthene	0.11	6.8
	Benzo (A,H,I) perylene	0.0055	1.8
	Benzo (a) pyrene	0.061	3.4
	alpha-BHC	0.00014	0.066
	beta-BHC	0.00014	0.066
	delta-BHC	0.023	0.066
	gamma-BHC (Lindane)	0.0017	0.066
	Bromochloromethane	0.75	15
	Bromomethane (Methyl bromide)	0.11	15
	4-Bromophenyl phenyl ether	0.055	15
	n-Butyl alcohol	5.6	2.6
	Butyl benzyl phthalate	0.017	28
	Butylate	0.042	1.4
	Sec-Butyl 4,6-dinitrophenol (Dinoseb)	0.066	2.5
	Carbaryl	0.006	0.14
	Carbendazim	0.056	1.4
	Carbofuran	0.006	0.14
	Carbophenothion phenol	0.056	1.4
	Carbon disulfide	3.8	4.8
	Carbon tetrachloride	0.057	6
	Carbosulfan	0.028	1.4
	Chlordane (alpha & gamma)	0.0033	0.26
	p-Chloroaniline	0.46	16
	Chlorobenzene	0.057	6
	Chlorobenzilate	0.1	N/A
	2-Chloro-1,3-butadiene	0.057	0.28
	Chlorodibromomethane	0.057	15
	Chloroethane	0.27	6
	bis-(2-Chloroethoxy)methane	0.036	7.2
	bis-(2-Chloroethyl)ether	0.033	6
	2-Chloroethyl vinyl ether	0.062	N/A
	Chloroform	0.046	6
	bis-(2-Chloroisopropyl)ether	0.055	7.2
	p-Chloro-m-cresol	0.018	14
	Chloromethane (Methyl chloride)	0.19	30
	2-Chloronaphthalene	0.055	5.6
	2-Chlorophenol	0.044	5.7
	3-Chloropropylene	0.036	30
	Chrysene	0.059	3.4
	o-Cresol	0.11	5.6
	Cresol (m- or p-isomers)	0.77	5.6

M.L.		WW	NWW
	m-Cumenyl methylcarbamate	0.056	1.4
	Cyclohexanone	0.36	0.757
	o,p'- DDD	0.023	0.087
	p,p'- DDD	0.023	0.087
	o,p'- DDE	0.031	0.087
	p,p'- DDE	0.031	0.087
	o,p'- DDT	0.0039	0.087
	p,p'- DDT	0.0039	0.087
	Dibenz(a,h)anthracene	0.055	8.2
	Dibenz(a,j)acridine	0.041	N/A
	1,2-Dibromo-3-chloropropane	0.11	15
	1,2- Dibromoethane (Ethylene dibromide)	0.028	15
	Dibromomethane	0.11	15
	m-Dichlorobenzene	0.338	6
	o- Dichlorobenzene	0.088	6
	p- Dichlorobenzene	0.09	6
	Dichlorodifluoromethane	0.23	7.2
	1,1- Dichloroethane	0.059	6
	1,2- Dichloroethane	0.21	6
	1,1- Dichloroethylene	0.025	6
	trans-1,2- Dichloroethylene	0.054	30
	2,4- Dichlorophenol	0.044	14
	2,6- Dichlorophenol	0.044	14
	2,4-Dichlorophenoxyacetic acid (2,4-D)	0.72	10
	1,2- Dichloropropane	0.85	18
	cis-1,3-Dichloropropylene	0.036	18
	trans-1,3-Dichloropropylene	0.036	18
	Dieldrin	0.017	0.13
	Diethyl phthalate	0.2	28
	Diethylene glycol, dicarbamate	0.058	1.4
	p-Dimethylaminoazobenzene	0.13	N/A
	2,4-Dimethyl phenol	0.036	14
	Dimethyl phthalate	0.047	28
	Dinoseb	0.056	2.5
	Di-n-butyl phthalate	0.057	28
	1,4-Dinitrobenzene	0.32	2.3
	4,6-Dinitro-o-cresol	0.28	160
	2,4-Dinitrophenol	0.12	160
	2,4-Dinitrotoluene	0.32	140
	2,6-Dinitrotoluene	0.55	28
	Di-n-octyl phthalate	0.017	28
	Di-n-propylnitrosamine	0.4	14
	1,4-Dioxane	12	170
	Diphenylamine	0.92	13
	Diphenylnitrosamine	0.92	13
	1,2-Diphenylhydrazine	0.087	N/A
	Disulfoton	0.017	6.2
	Dithiocarbamates (total)	0.028	28
	Endosulfan I	0.023	0.066
	Endosulfan II	0.029	0.13
	Endosulfan sulfate	0.029	0.13
	Endrin	0.0028	0.13
	Endrin aldehyde	0.025	0.13
	EPTC	0.042	1.4
	Ethyl acetate	0.34	33
	Ethyl benzene	0.057	10
	Ethyl cyanide (Propanenitrile)	0.24	360
	Ethyl ether	0.12	160
	Ethyl methacrylate	0.14	160
	Ethylene oxide	0.12	N/A
	bis(2-Ethylhexyl) phthalate	0.28	28
	Famphur	0.017	15
	Fluoranthene	0.068	3.4
	Fluorene	0.059	3.4
	Formparanate hydrochloride	0.056	1.4

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Generator Name: _____ Manifest No: _____

M.I.		MW	MMW
	Pentachlorophenol	0.056	1.4
	Heptachlor	0.0012	0.002
	Heptachlor epoxide	0.016	0.006
	Hexachlorobenzene	0.055	10
	Hexachlorobutadiene	0.055	5.6
	Hexachlorocyclopentadiene	0.057	2.4
	Hexachloroethane	0.055	30
	Hexachlorophene	0.055	30
	HxCDDs(All Hexachlorodibenzo-p-dioxins)	0.000063	0.001
	HxCDFs(All Hexachlorodibenzofurans)	0.000063	0.001
	Indeno (1,2,3-c,d) pyrene	0.0055	3.4
	Isobutanol	0.10	85
	Isobutyl alcohol	5.6	170
	Isodrin	0.021	0.066
	Isophorone	0.056	1.4
	Isosafrole	0.081	2.6
	Kepone	0.0011	0.13
	Methacrylonitrile	0.24	84
	Methanol	5.6	0.75*
	Methylene chloride	0.081	1.8
	Methoxychlor	0.056	1.4
	Methomyl	0.028	0.14
	Methoxychlor	0.25	0.18
	Methyl ethyl ketone	0.28	36
	Methyl isobutyl ketone	0.14	33
	Methyl methacrylate	0.14	160
	Methyl methanesulfonate	0.018	N/A
	Methyl parathion	0.014	4.6
	2-Methylbenzenamine	0.0055	10
	4,4-Methylene bis(2-chloroaniline)	0.5	30
	Methylene chloride	0.089	30
	Metribuzin	0.035	1.8
	Mevinphos	0.036	1.4
	Mirex	0.042	1.4
	Molinate	0.028	5.6
	2-Naphthylamine	0.52	N/A
	p-Nitroaniline	0.27	14
	p-Nitrobenzene	0.028	20
	Nitrobenzene	0.068	14
	5-Nitro-o-toluidine	0.32	28
	4-Nitrophenol	0.028	19
	p-Nitrosophenol	0.12	29
	N-Nitrosodiethylamine	0.4	28
	N-Nitrosodimethylamine	0.4	2.3
	N-Nitrosodi-n-butylamine	0.4	17
	N-Nitrosomethylethylamine	0.4	2.3
	N-Nitrosomorpholine	0.4	2.3
	N-Nitrosopiperidine	0.013	35
	N-Nitrosopyrrolidine	0.013	35
	Oxamyl	0.056	0.28
	Parathion	0.014	4.6
	Total PCBs	0.1	10
	Pebulate	0.042	1.4
	Pentachlorobenzene	0.055	10
	PeCDDs (All Pentachlorodibenzo-p-dioxins)	0.000063	0.001
	PeCDFs(All Pentachlorodibenzofurans)	0.000035	0.001
	Pentachloroethane	0.055	8
	Pentachloronitrobenzene	0.028	4.8
	Pentachlorophenol	0.089	7.4
	Phenacetin	0.081	16
	Phenanthrene	0.059	5.6
	Phenol	0.039	6.2
	p-Phenylenediamine	0.068	5.6
	Phorate	0.021	4.6
	Phthalic acid	0.065	20
	Phthalic anhydride	0.065	28
	Physostigmine	0.056	1.4

M.I.		MW	MMW
	Physostigmine salicylate	0.056	1.4
	Picloram	0.053	1.5
	Piperonyl	0.056	1.4
	Propham	0.056	1.4
	Propoxur	0.042	1.4
	Pronamide	0.067	5.7
	Pyrene	0.614	15
	Pyridine	0.381	32
	Silvex	0.72	7.9
	Silvex (2,4,5-TP)	0.035	14
	1,2,4,5-Tetrachlorobenzene	0.000063	0.001
	TCDDs (All Tetrachlorodibenzo-p-dioxins)	0.000063	0.001
	TCDFs (All Tetrachlorodibenzofurans)	0.057	6
	1,1,1,2-Tetrachloroethane	0.057	6
	1,1,2,2-Tetrachloroethane	0.056	6
	Tetrachloroethylene	0.05	7.4
	2,3,4,6-Tetrachlorophenol	0.010	1.4
	Tetradifon	0.020	1.4
	Tetraethyl-methyl	0.056	0.28
	Tiepate	0.08	10
	Toluene	0.0085	2.5
	Toxaphene	0.042	1.4
	Triallate	0.63	15
	Tribromomethane (Bromoform)	0.055	19
	1,2,4-Trichlorobenzene	0.054	5
	1,1,1-Trichloroethane	0.054	5
	1,1,2-Trichloroethane	0.054	5
	Trichloroethylene	0.05	30
	Trichloromonofluoromethane	0.18	7.4
	2,4,5-Trichlorophenol	0.035	7.4
	2,4,6-Trichlorophenol	0.72	7.9
	2,4,6-Trichlorophenoxyacetic acid(2,4,5-T)	0.65	30
	1,2,3-Trichloropropane	2.057	30
	1,1,2-Trichloro-1,2,2-trifluoroethane	0.081	1.5
	Triethylamine	0.11	0.1
	tris-(2,3-Dibromopropyl) phosphate	0.042	1.4
	Vernolate	0.27	6
	Vinyl chloride	0.32	30
	Xylene(s)	1.2	880
	Cyanides (Total)	0.86	30
	Cyanides (Amenable)	33	N/A
	Fluoride*	14	N/A
	Sulfide	1.9	1.18*
	Antimony	1.4	6.0*
	Arsenic	1.2	21.0*
	Barium	0.82	1.22*
	Beryllium	0.89	0.11*
	Cadmium	2.77	0.60*
	Chromium (Total)	0.84	0.75*
	Lead	N/A	0.20*
	Mercury (Nonwastewater from Retort)	0.16	0.025*
	Mercury (All others)	3.66	11.0*
	Nickel	0.83	5.7*
	Selenium	0.43	0.14*
	Silver	1.4	0.20*
	Thallium	1.3	1.6*
	Vanadium**	2.61	4.3*
	Zinc*		

* TCLP Values

** Not UHC in characteristic wastes (268.2(i))

Do the waste stream(s) identified on the manifest listed above or on the attached sheet contain any of the constituents listed on this table in concentrations above the regulatory levels?

☐ YES ☒ NO

Signature X _____ Date: _____

REVISED

TOTAL P.07

AUG 27-2000 08:51 FROM CHEMTEC SERVICES TO 71301216651A

Generator Name: USEPA Region 5 - Skokie Laboratory

Manifest No. _____ Page ____ of ____

☐ This is a wastewater stream.

☒ This is a non-wastewater stream.

NOTE: BOXES CORRESPOND TO MANIFEST LINE ITEM

a b c d

This waste(s) described above, does not meet the applicable treatment standards in 40 CFR 268, Subpart D.

☑ SUBPART CC: INDICATE WHETHER WASTES ON THE MANIFEST ARE REGULATED UNDER SUBPART CC FOR CONTAINING VOC'S IN CONCENTRATION LEVELS EQUAL TO OR GREATER THAN 500 PPMW BY ENTERING "Y" FOR "YES" OR "N" FOR "NO" AS APPROPRIATE.

A. CHARACTERISTIC WASTE

M	L	I	CODE	SUBCATEGORY / CONSTITUENTS
☑			D001*	Ignitable Wastes (TOC>10%)
			D001*	Ignitable Wastes (TOC<10%)
☒			D002*	Corrosive Wastes
			D003	Reactive Sulfides based on 261.23(a)(5)
			D003*	Explosives based on 261.23(a) (6),(7),(8)
			D003	Unexploded ordnance/explosive
			D003*	Other Reactive based on 261.23(a)(1)
			D003*	Water Reactive based on 261.23(a) (2),(3),(4)
			D003	Reactive Cyanides based on 261.23(a) (5)
			D004*	Arsenic
			D005*	Barium
			D006*	Cadmium
			D006*	Cadmium Containing Batteries
			D007*	Chromium
			D008*	Lead
			D008*	Lead Acid Batteries
			D009*	High Mercury-Organic
			D009*	High Mercury-Inorganic
			D009*	Low Mercury
			D009*	Mercury Wastewater
			D010*	Selenium
			D011*	Silver
			D012*	Endrin
			D013*	Lindane
			D014*	Methoxychlor
			D015*	Toxaphene
			D016*	2,4-D
			D017*	2,4,5-TP (Silvex)
			D018*	Benzene
			D019*	Carbon Tetrachloride
			D020*	Chlordane
			D021*	Chlorobenzene
			D022*	Chloroform
			D023*	o-Cresol
			D024*	m-Cresol
			D025*	p-Cresol
			D026*	Cresol (total)
			D027*	p-Dichlorobenzene
			D028*	1,2-Dichloroethane
			D029*	1,1-Dichloroethylene
			D030*	2,4-Dinitrotoluene
			D031*	Heptachlor
			D032*	Hexachlorobenzene
			D033*	Hexachlorobutadiene
			D034*	Hexachloroethane
			D035*	Methyl ethyl ketone
			D036*	Nitrobenzene
			D037*	Pentachlorophenol
			D038*	Pyridine
			D039*	Tetrachloroethylene
			D040*	Trichloroethylene
			D041*	2,4,5-Trichlorophenol
			D042*	2,4,6-Trichlorophenol
			D043*	Vinyl chloride

B. LISTED WASTE

M	L	I	CODE	SUBCATEGORY / CONSTITUENTS
			F001	Spent Halogenated Solvents
			F002	Spent Halogenated Solvents
			F003	Spent Non-Halogenated Solvents
			F004	Spent Non-Halogenated Solvents
			F005	Spent Non-Halogenated Solvents

CHECK REGULATED CONSTITUENTS FOR LISTED WASTES IDENTIFIED ABOVE (F001-F039):

				Acetone
				Benzene
				n-Butyl alcohol
				Carbon disulfide
				Carbon tetrachloride
				Chlorobenzene
				o-Cresol
				m-Cresol
				p-Cresol
				Cresol
				Cyclohexanone
				o-Dichlorobenzene
				Ethyl acetate
				Ethyl benzene
				Ethyl ether
				Isobutyl alcohol
				Methanol
				Methylene chloride
				Methyl ethyl ketone
				Methyl isobutyl ketone
				Nitrobenzene
				Pyridine
				Tetrachloroethylene
				Toluene
				1,1,1-Trichloroethane
				1,1,2-Trichloroethane
				1,1,2-Trichloro-1,2,2-trifluoroethane
				Trichloroethylene
				Trichlorofluoromethane
				Xylenes
				2-Nitropropane
				2-Ethoxyethanol

			F006	Electroplating WWT sludge
			F035	Wood preserving wastewater
			F037	Petroleum refinery primary oil/water separation sludge
			F038	Petroleum refinery secondary oil/water separation sludge
			F039	Multi-source Leachate
			K088	Dissolved air flotation float
			K062	Slop oil emulsion solids

Does the waste identified by an asterisk (*) contain any Underlying Hazardous Constituents per 268.7(a)(1)?

☐ YES

☒ NO

IF YES, "attach a completed UTS&UHC form to this document"

C. OTHER WASTES (for wastes not listed above)

M	L	I	Enter waste code/subcategory, if applicable, in the table below.

Signature: X _____ Date: _____

AUG-21-2000 09:30 FROM CHEM NET SERVICES TO 713012186612
10100 Rocket Blvd. - Orlando, FL 32824 407-859-4441 Fax: 407-855-2812
13550 Allen Rd. - Brownstown, MI 48192 800-282-9251 Fax: 734-287-1656
1613 James P. Rodgers Circle - Valdosta 912-244-0474 Fax: 912-233-0318

WASTE MATERIAL PROFILE

Please Print C

A: GENERATOR: USEPA Region V - Sediment Processing EPA ID: OHR 000 100 041
4242 County Road 74, Mingo Junction, OH 43938
CITY ADDRESS STATE ZIP
77 W. Jackson Blvd. Chicago IL 60604
MAILING ADDRESS STATE ZIP
CONTACT: Thomas Cook PHONE: 312 886 7192 FAX: 312 353 9176

B: BILL TO: Capital Environmental Services, Inc.
8229 Boone Blvd. Suite 310 Vienna, VA 22182
MAILING ADDRESS STATE ZIP
CONTACT: Susan Schult PHONE: 301-218-6607 FAX: 301-218-6612

C: COMMON NAME OF THE WASTE (PLEASE PRINT) Inorganic solids - item C
GENERATING PROCESS (attach flow diagram if available): Clean-up of Cercla site

IS THIS WASTE:

	YES	NO		YES	NO
Spent	☐	☒	Spill	☐	☒
Virgin	☐	☒	Labpack	☐	☒ (Attach Inventory Sheet)
Off-Spec	☒	☐	Subject to an exemption?	☐	☒ (Check Below)
WWT sludge	☐	☒			

☐ Household waste? ☐ Soil from UST removal ☐ Other?

D: COMPOSITION OF WASTE: List all chemical/compounds. Provide MSDS's or analysis if available.

Chemicals/compounds	%	Chemicals/compounds	%	Chemicals/compounds	%
Inorganic Solids	100%				
Solids w/ Trace					
Mercury					

Total Must = 100

E: HAZARDOUS CHARACTERISTICS:

		YES	NO		
Is this waste a:	Radioactive	☐	☒		
	Bio-Hazard	☐	☒		
	Polymerizable	☐	☒		
Does this waste contain	asbestos	☐	☒	→	☐ Friable ☐ Non Friable?
	PCBs > 50 ppm	☐	☒	→	Conc? ____ ppm
	Hexavalent Chrome	☐	☒	→	Conc? ____ ppm
	HOCs > 1000ppm	☐	☒	→	Conc? ____ ppm
	VOCs > 500ppm	☐	☒	→	Conc? ____ ppm (see 264 & 265 subpart cc) ☐

F: PHYSICAL DATA:

Odor	Flash Point	pH	Spec. Grav.	BTU/lb	Chloride % by wt	Water % by vol
Strong ☐	<73 ☐	<2 ☐	0.8 ☐	<5000 ☒	<2 ☒	<5 ☒
Mild ☐	73-99 ☐	2.1-7 ☒	0.8-1.0 ☐	5-10000 ☐	2-5 ☐	5-10 ☐
None ☐	100-139 ☐	7.1-12.4 ☐	1.1-1.7 ☐	>10000 ☐	5-8 ☐	10-15 ☐
Describe	140-200 ☐	>12.5 ☐	>1.7 ☒		8-11 ☐	15-20 ☐
	>200 ☒	N/A ☐			11-14 ☐	20-25 ☐
	N/A ☐				>14 ☐	>25 ☐

State: Solids 100 % → Dust ☐ Crystals ☐ Monolith ☐ in Gals ____
Sludge ____ % → Pourable: ☐ Yes ☒ No Pourable: ☒ Yes ☐ No ☐ in Gals ____
Liquid ____ % → Free liquids: ☐ Yes ☐ No Viscosity: ☐ Low ☐ Medium ☒ High
Debris ____ % → Describe(use # counts):

REV 9/5/00

G: WASTE CHARACTERIZATION:

	YES	NO
1 Is this a listed EPA RCRA hazardous waste (F,K,P,U) as defined in 40 CFR 261.30.	☐	☒
2 a. Is this a liquid waste with a flash point <140F as defined in 40 CFR 261.21 (D001).	☐	☒
b. Is this an ignitable solid as defined in 40 CFR 261.21.(D001)	☐	☒
c. Is this an oxidizer as defined in 49 CFR 173.127. (D001)	☐	☒
d. If yes to a,b, or c. Is this a High TOC waste	☐	☒
3 a. Is this a liquid waste with a pH<2 or >12.5. (D002)	☐	☒
b. Is this a liquid waste that corrodes steel as defined in 40 CFR 261.22 (D002).	☐	☒
4 Is this a reactive waste as defined in 40 CFR 261.23. (D003)	☐	☒

If yes, check the subcategory: ☐ Water Reactive ☐ Air Reactive ☐ Explosive ☐ Other Reactive

Reactive Cyanide: conc. _____ ppm Reactive Sulfide: conc. _____ ppm

Waste Code	Constituent	< Than	Reg Level	> Than	Conc	Waste Code	Constituent	< Than	Reg Level	> Than	Conc
D004	Arsenic	☒	5.0	☐		D024	m-Cresol	☒	200	☐	
D005	Barium	☒	100	☐		D025	p-Cresol	☒	200	☐	
D006	Cadmium	☒	1.0	☐		D026	Cresol(o, m, p)	☒	200	☐	
D007	Chromium	☒	5.0	☐		D027	1,4 Dichlorobenzene	☒	7.5	☐	
D008	Lead	☒	5.0	☐		D028	1,2-Dichloroethane	☒	0.5	☐	
D009	Mercury	☐	0.2	☒	.329	D029	1,1-Dichloroethylene	☒	0.7	☐	
D010	Selenium	☒	1.0	☐		D030	2,4-Dinitrotoluene	☒	0.13	☐	
D011	Silver	☒	5.0	☐		D031	Heptachlor	☒	0.008	☐	
D012	Endrin	☒	0.02	☐		D032	Hexachlorobenzene	☒	0.13	☐	
D013	Lindane	☒	0.4	☐		D033	Hexachlorobutadiene	☒	0.5	☐	
D014	Methoxychlor	☒	10	☐		D034	Hexachloroethane	☒	3.0	☐	
D015	Toxaphene	☒	0.5	☐		D035	Methyl Ethyl Ketone	☒	200	☐	
D016	2,4 - D	☒	10	☐		D036	Nitrobenzene	☒	2.0	☐	
D017	2,4,5-TP(Silvex)	☒	1	☐		D037	Pentachlorophenol	☒	100	☐	
D018	Benzene	☒	0.5	☐		D038	Pyridine	☒	5.0	☐	
D019	Carbon Tetrachloride	☒	0.5	☐		D039	Tetrachloroethylene	☒	0.7	☐	
D020	Chlordane	☒	0.03	☐		D040	Trichloroethylene	☒	0.5	☐	
D021	Chlorobenzene	☒	100	☐		D041	2,4,5-Trichlorophenol	☒	400	☐	
D022	Chloroform	☒	6.0	☐		D042	2,4,6-Trichlorophenol	☒	2.0	☐	
D023	o-Cresol	☒	200	☐		D043	Vinyl Chloride	☒	0.2	☐	

Based on: Total Analysis ☐ TCLP Analysis ☒ Generator Knowledge ☒

	YES	NO
5 Is this a EPA Toxic Waste (D004-D043)* as defined in 40 CFR 261.24? If D009: Is the total Mercury concentration above 260 ppm?	☒	☐
* If this is a D001, D002, D003(reactive) or D004-D043 does it contain any of the Underlying Hazardous Constituents (UHC) above Universal Treatment Standards(UTS)? If Yes, include a UTS/UHC form with the profile	☒	☐
6 Is this waste a Dioxin Or Furan per 40 CFR 261.31?	☐	☒
7 a. Is this a Non-Hazardous Waste?	☐	☒
FOR WASTE DISPOSAL AT PERMA-FIX OF MICHIGAN ONLY:		
b. Is this a hazardous Waste by toxic regulation only	☐	☒
c. Is this a Michigan Act 451 listed hazardous waste?	☐	☒

If you answered Yes to any question in Section C, enter the appropriate waste code(s) on the lines below.

Waste Codes: D009 _____ _____ _____ _____ _____ _____

Please list any Toxic Release Inventory Constituents per EPCRA Section 313 not identified above.

_____

_____

REV 06/00

H. BENZENE NESHAP 40 CFR 61, SUBPART FF (Hazardous waste with Benzene Only) — YES ☐ NO ☒

If question 1, 2 or 3 is No, proceed to section I.

1. Is this waste stream generated at a facility with a SIC code listed under NESHAP, or a TSDF that treats NESHAP waste? SIC Code _____ (Listed codes: (2800-2899, 2911, or 5312) — ☐ ☒
2. Does the waste contain > 10% water — ☐ ☒
3. Is the total Annual Benzene quantity from the facility waste greater than 10Mg/Yr (2,200lbs/yr) — ☐ ☒
   If Question 1, 2, or 3 is No, proceed to Section I
4. What is the total Benzene concentration in Your Waste? _____ % or _____ ppmw.
   (Do not use TCLP results. Acceptable laboratory methods include 8020, 8240, 8260, 602, and 624)
5. What is the TAB quantity for the generator facility? _____ Mg/Year

I. PACKAGING/QUANTITY

1. Non-Bulk: ☐ 1 gal ☐ 5 gal ☐ 55 gal ☒ 85 gal ☐ Other _____
   Cubic Yard ☐ Boxes ☐ Bags ☐ Totes ☐ Pallets ☐ Other _____
   Quantity 2 drs Per: ☐ Month ☐ Quarter ☐ Year ☐ Once
2. Bulk: ☐ Tanker ☐ Vac Truck ☐ Roll-off ☐ Dump Trailer ☐ Closed Top ☐ Open Top
   ☐ Gallons ☐ Pounds ☐ Yards ☐ Tons
   Quantity _____ lbs. Per: ☐ Month ☐ Quarter ☐ Year ☐ Once

J. DOT SHIPPING INFORMATION:

Enter proper DOT shipping name from 49 CFR 172.101 table:

"RQ" Hazardous Waste Solid, N.O.S.

List 2 major components: MERCURY

Hazard Class 9 UN/NA code NA 3077 PG III

K. ATTACHMENTS: (Check all that apply and include with profile)

- ☒ UTS/BIC Form
- ☐ Analysis
- ☐ Additional Description
- ☐ Process Flow Diagram
- ☐ PCB source statement
- ☐ Material Safety Data Sheet
- ☐ Generator authorization
- ☐ Lab pack inventory sheet
- ☒ Land Disposal Notification

L. CERTIFICATION:

I hereby verify that all the information submitted in this and all attached documents is complete and accurate. All known and suspected hazards have been disclosed. By signing below, I give Perma-Fix Environmental Services, Inc., and all of its subsidiaries, permission to make minor changes to this profile prior to its acceptance should they find an error or omission.

Printed Name: _____ Signature: X _____ Date: _____

**Signatures other than the generator are required to submit an approved authorization letter from the generator to certify this profile

INTERNAL USE ONLY: Review 1 _____ 2 _____ 3 _____

Profile I.D. No. _____ APPROVED ☐ REJECTED ☐ Form Code B _____

Waste Codes _____

DOT _____

Destination/Consolidation Code _____ Price & Initial _____

Out Bound Approval _____ Facility _____

Notes _____

Chemical Conservation Corp. FLD980659228 | Perma-Fix of Michigan, Inc. MSD095963194 | Chemical Conservation of Georgia GAD093380816

REV 7/6/00

Use all constituents on both pages of this document that are present in D001(except for TOC≥ 10%), D002, D003 and D004-D043 waste streams in concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an asterisk. (R Explosive, water reactive and other reactive only) (WW = Wastewater; NWW = Non-Wastewater). Insert the manifest line identifier (MLI) in the boxes to the left of the constituents. If using this form in association with a profile, place an X in the box next to the appropriate constituent(s).

MLI		WW	NWW
	A2213	0.042	1.4
	Acenaphthene	0.059	3.4
	Acenaphthylene	0.059	3.4
	Acetone	0.28	160
	Acetonitrile	5.6	38
	Acetophenone	0.01	9.7
	2-Acetylaminofluorene	0.059	140
	Acrolein	0.29	N/A
	Acrylamide	19	23
	Acrylonitrile	0.24	84
	Aldicarb sulfone	0.056	0.28
	Aldrin	0.021	0.066
	4-Aminobiphenyl	0.13	N/A
	Aniline	0.81	14
	Anthracene	0.059	3.4
	Aramite	0.36	N/A
	Barban	0.056	1.4
	Bendiocarb	0.056	1.4
	Benodanil phenol	0.056	1.4
	Benomyl	0.056	1.4
	Benz (a) anthracene	0.059	3.4
	Benzal Chloride	0.055	6
	Benzene	0.14	10
	Benzo (b) fluoranthene	0.11	6.8
	Benzo (k) fluoranthene	0.11	6.8
	Benzo (g,h,i) perylene	0.0055	1.8
	Benzo (a) pyrene	0.061	3.4
	alpha-BHC	0.00014	0.066
	beta-BHC	0.00014	0.066
	delta-BHC	0.023	0.066
	gamma-BHC (Lindane)	0.0017	0.066
	Bromodichloromethane	0.35	15
	Bromomethane (Methyl bromide)	0.11	15
	4-Bromophenyl phenyl ether	0.055	15
	n-Butyl alcohol	5.6	2.6
	Butyl benzyl phthalate	0.017	28
	Butylate	0.042	1.4
	2-sec-Butyl 4,6-dinitrophenol (Dinoseb)	0.066	2.5
	Carbaryl	0.006	0.14
	Carbendazim	0.056	1.4
	Carbofuran	0.006	0.14
	Carbofuran phenol	0.056	1.4
	Carbon disulfide	3.8	4.8*
	Carbon tetrachloride	0.057	6
	Carboxin	0.028	1.4
	Chlordane(alpha & gamma)	0.0033	0.26
	p-Chloroaniline	0.46	16
	Chlorobenzene	0.057	6
	Chlorobenzilate	0.1	N/A
	2-Chloro-1,3-butadiene	0.057	0.28
	Chlorodibromomethane	0.057	15
	Chloroethane	0.27	6
	bis-(2-Chloroethoxy)methane	0.036	7.2
	bis-(2-Chloroethyl)ether	0.033	6
	2-Chloroethyl vinyl ether	0.062	N/A
	Chloroform	0.046	6
	bis-(2-Chloroisopropyl)ether	0.055	7.2
	p-Chloro-m-cresol	0.018	14
	Chloromethane (Methyl chloride)	0.19	30
	2-Chloronaphthalene	0.055	5.6
	2-Chlorophenol	0.044	5.7
	3-Chloropropylene	0.034	30
	Chrysene	0.059	3.4
	o-Cresol	0.11	5.6
	Cresol (m- or p-isomers)	0.77	5.6

MLI		WW	NWW
	m-Cumenyl methylcarbamate	0.056	1.4
	Cyclohexanone	0.36	0.75*
	o,p'-DDD	0.023	0.087
	p,p'-DDD	0.023	0.087
	o,p'-DDE	0.031	0.087
	p,p'-DDE	0.031	0.087
	o,p'-DDT	0.0039	0.087
	p,p'-DDT	0.0039	0.087
	Dibenz(a,h)anthracene	0.055	8.2
	Dibenz(a,j)acrylamide	0.061	N/A
	1,2-Dibromo-3-chloropropane	0.11	15
	1,2-Dibromoethane (Ethylene dibromide)	0.028	15
	Dibromomethane	0.11	15
	m-Dichlorobenzene	0.036	6
	o-Dichlorobenzene	0.088	6
	p-Dichlorobenzene	0.09	6
	Dichlorodifluoromethane	0.23	7.2
	1,1-Dichloroethane	0.059	6
	1,2-Dichloroethane	0.21	6
	1,1-Dichloroethylene	0.025	6
	trans-1,2-Dichloroethylene	0.054	30
	2,4-Dichlorophenol	0.044	14
	2,6-Dichlorophenol	0.044	14
	2,4-Dichlorophenoxyacetic acid (2,4-D)	0.72	10
	1,2-Dichloropropane	0.85	18
	cis-1,3-Dichloropropylene	0.036	18
	trans-1,3-Dichloropropylene	0.036	18
	Dieldrin	0.017	0.13
	Diethyl phthalate	0.2	28
	Diethylene glycol, dicarbamate	0.056	1.4
	p-Dimethylaminoazobenzene	0.13	N/A
	2,4-Dimethyl phenol	0.036	14
	Dimethyl phthalate	0.047	28
	Dinoseb	0.056	1.4
	Di-n-butyl phthalate	0.057	28
	1,4-Dinitrobenzene	0.32	2.3
	4,6-Dinitro-o-cresol	0.28	160
	2,4-Dinitrophenol	0.12	160
	2,4-Dinitrotoluene	0.32	140
	2,6-Dinitrotoluene	0.55	28
	Di-n-octyl phthalate	0.017	28
	Di-n-propylnitrosamine	0.4	14
	1,4-Dioxane	12	170
	Diphenylamine	0.92	13
	Diphenylnitrosamine	0.92	13
	1,2-Diphenylhydrazine	0.087	N/A
	Diquat	0.017	8.2
	Disulfoton	0.028	28
	Dithiocarbamates (total)	0.028	0.066
	Endosulfan I	0.023	0.13
	Endosulfan II	0.029	0.13
	Endosulfan sulfate	0.0028	0.13
	Endrin	0.028	0.13
	Endrin aldehyde	0.042	1.4
	EPTC	0.34	33
	Ethyl acetate	0.057	33
	Ethyl benzene	0.24	10
	Ethyl cyanide (Propanenitrile)	0.24	360
	Ethyl ether	0.12	160
	Ethyl methacrylate	0.14	160
	Ethylene oxide	0.12	N/A
	bis(2-Ethylhexyl) phthalate	0.28	28
	Famphur	0.017	15
	Fluoranthene	0.068	3.4
	Fluorene	0.059	3.4
	Formetanate hydrochloride	0.056	1.4

Generator Name: USEPA [illegible] Manifest No.: _____ Page 2 of 2

M.L.I.		MAX	MMOX
	Pentachlorophenol	0.056	1.4
	Heptachlor	0.0012	0.056
	Heptachlor epoxide	0.016	0.056
	Hexachlorobenzene	0.055	10
	Hexachlorobutadiene	0.055	5.6
	Hexachlorocyclopentadiene	0.057	2.4
	Hexachloroethane	0.055	30
	Hexachloropropylene	0.035	30
	HxCDDs(All Hexachlorodibenzo-p-dioxins)	0.000063	0.001
	HxCDFs(All Hexachlorodibenzofurans)	0.000063	0.001
	Indeno (1,2,3-c,d) pyrene	0.0055	3.4
	Isobutanol/Hexane	0.19	85
	Isobutyl alcohol	5.6	170
	Isodrin	0.021	0.056
	Isosafrole	0.056	1.4
	Isotrichloralkane	0.081	2.8
	Kepone	0.0011	0.13
	Methacrylonitrile	0.24	84
	Methanol	5.6	3.75*
	Methapyrilene	0.081	1.5
	Methiocarb	0.056	1.4
	Methomyl	0.028	0.14
	Methoxychlor	0.25	0.14
	Methyl ethyl ketone	0.28	28
	Methyl isobutyl ketone	0.14	33
	Methyl methacrylate	0.14	160
	Methyl methanesulfonate	0.018	NA
	Methyl parathion	0.014	4.6
	3-Methylcholanthrene	0.0055	15
	4,4-Methylene bis(2-chloroaniline)	0.5	30
	Methylene chloride	0.089	30
	Metolcarb	0.056	1.4
	Mexacarbate	0.056	1.4
	Mirex	0.042	1.4
	Naphthalene	0.059	5.6
	2-Naphthylamine	0.52	NA
	o-Nitroaniline	0.27	14
	p-Nitroaniline	0.028	28
	Nitrobenzene	0.068	14
	5-Nitro-o-toluidine	0.32	28
	o-Nitrophenol	0.028	13
	p-Nitrophenol	0.12	29
	N-Nitrosodiethylamine	0.4	2.3
	N-Nitrosodimethylamine	0.4	2.3
	N-Nitroso-di-n-butylamine	0.4	17
	N-Nitrosomethylethylamine	0.4	2.3
	N-Nitrosomorpholine	0.4	2.3
	N-Nitrosopiperidine	0.013	35
	N-Nitrosopyrrolidine	0.013	35
	Oxamyl	0.056	0.28
	Parathion	0.014	4.6
	Total PCBs	0.1	10
	Pebulate	0.042	1.4
	Pentachlorobenzene	0.055	10
	PeCDDs (All Pentachlorodibenzo-p-dioxins)	0.000063	0.001
	PeCDFs(All Pentachlorodibenzofurans)	0.000035	0.001
	Pentachloroethane	0.055	6
	Pentachloronitrobenzene	0.055	4.8
	Pentachlorophenol	0.089	7.4
	Phenacetin	0.081	16
	Phenanthrene	0.059	5.6
	Phenol	0.039	6.2
	p-Phenylenediamine	0.056	5.6
	Phorate	0.021	4.6
	Phthalic acid	0.055	28
	Phthalic anhydride	0.055	28
	Physostigmine	0.056	1.4

M.L.I.		MAX	MMOX
	Physostigmine salicylate	0.056	1.4
	Pronamide	0.056	1.4
	Propanil	0.093	1.5
	Propham	0.056	1.4
	Propoxur	0.056	1.4
	Pronosulfocarb	0.042	1.4
	Pyrene	0.067	8.2
	Pyridine	0.014	16
	Reserpine	0.081	32
	Silvex (2,4,5-TP)	0.72	7.9
	1,2,4,5-Tetrachlorobenzene	0.055	14
	TCDDs (All Tetrachlorodibenzo-p-dioxins)	0.000063	0.001
	TCDFs (All Tetrachlorodibenzofurans)	0.000063	0.001
	1,1,1,2-Tetrachloroethane	0.057	6
	1,1,2,2-Tetrachloroethane	0.057	6
	Tetrachloroethylene	0.056	5
	2,3,4,6-Tetrachlorophenol	0.03	7.4
	Tetradifon	0.019	1.4
	Tetrahydrofuran	0.056	1.4
	Thiodicarb	0.056	0.28
	Thiram	0.05	10
	Toluene	0.0885	2.8
	Toxaphene	0.042	1.4
	Triallate	0.03	15
	Tribromomethane (Bromoform)	0.055	19
	1,2,4-Trichlorobenzene	0.054	5
	1,1,1-Trichloroethane	0.054	5
	1,1,2-Trichloroethane	0.054	5
	Trichloroethylene	0.054	5
	Trichloromonofluoromethane	0.02	30
	2,4,5-Trichlorophenol	0.18	7.4
	2,4,6-Trichlorophenol	0.035	7.4
	2,4,5-Trichlorophenoxyacetic acid(2,4,5-T)	0.72	7.9
	1,2,3-Trichloropropane	0.85	30
	1,1,2-Trichloro-1,2,2-trifluoroethane	0.057	30
	Triethylamine	0.081	1.5
	tris-(2,3-Dibromopropyl) phosphate	0.11	0.1
	Vernolate	0.042	1.4
	Vinyl chloride	0.27	6
	Xylene(t)	0.32	30
	Cyanides (Total)	1.2	590
	Cyanides (Amenable)	0.86	30
	Fluoride**	35	N/A
	Sulfide	14	N/A
	Antimony	1.9	1.15*
	Arsenic	1.4	5.0*
	Barium	1.2	21.0*
	Beryllium	0.82	1.22*
	Cadmium	0.92	0.11*
	Chromium (Total)	3.77	0.60*
	Lead	0.86	0.75*
	Mercury (Nonwastewater from Retort)	N/A	0.20*
	Mercury (All others)	0.18	0.025*
	Nickel	3.68	11.0*
	Selenium	0.82	5.7*
	Silver	0.43	0.14*
	Thallium	1.4	0.20*
	Vanadium**	4.3	1.6*
	Zinc**	2.81	4.3*

* TCLP Values

** Not UHC in characteristic waste (268.2(i)).

Do the waste stream(s) listed on the manifest listed above or on the attached profile contain any of the constituents listed on this table in concentrations above the regulatory levels?

[X] YES [ ] NO

Signature X _____ Date: _____

REV99

TOTAL P.07

Generator Name: USEPA Clayton v. Jefferson Processing

Manifest No. _____ Page ____ of ____

[ ] This is a wastewater stream.

[X] This is a non-wastewater stream.

NOTE: BOXES CORRESPOND TO MANIFEST LINE ITEM

a b c d

The waste(s) described above does not meet the applicable treatment standards in 40 CFR 268 Subpart D.

[N] SUBPART CC: INDICATE WHETHER WASTES ON THE MANIFEST ARE REGULATED UNDER SUBPART CC FOR CONTAINING VOC'S IN CONCENTRATION LEVELS EQUAL TO OR GREATER THAN 500 PPMW BY ENTERING A "Y" FOR "YES" OR "N" FOR "NO" AS APPROPRIATE.

A. CHARACTERISTIC WASTE

M L I	CODE	SUBCATEGORY / CONSTITUENTS
	D001	Ignitable Wastes (TOC>10%)
	D001*	Ignitable Wastes (TOC<10%)
	D002*	Corrosive Wastes
	D003	Reactive Sulfides based on 261.23(a)(5)
	D003*	Explosives based on 261.23(a) (6),(7),(8)
	D003	Unexploded ordnance/explosive
	D003*	Other Reactive based on 261.23(a)(1)
	D003*	Water Reactive based on 261.23(a) (2),(3),(4)
	D003	Reactive Cyanides based on 261.23(a) (5)
	D004*	Arsenic
	D005*	Barium
	D006*	Cadmium
	D007*	Cadmium Containing Batteries
	D008*	Chromium
	D009*	Lead
	D009*	Lead Acid Batteries
	D010*	High Mercury-Organic
	D009*	High Mercury-Inorganic
X	D009*	Low Mercury
	D009*	Mercury Wastewater
	D010*	Selenium
	D011*	Silver
	D012*	Endrin
	D013*	Lindane
	D014*	Methoxychlor
	D015*	Toxaphene
	D016*	2,4-D
	D017*	2,4,5-TP (Silvex)
	D018*	Benzene
	D019*	Carbon Tetrachloride
	D020*	Chlordane
	D021*	Chlorobenzene
	D022*	Chloroform
	D023*	o-Cresol
	D024*	m-Cresol
	D025*	p-Cresol
	D026*	Cresol (total)
	D027*	p-Dichlorobenzene
	D028*	1,2-Dichloroethane
	D029*	1,1-Dichloroethylene
	D030*	2,4-Dinitrotoluene
	D031*	Heptachlor
	D032*	Hexachlorobenzene
	D033*	Hexachlorobutadiene
	D034*	Hexachloroethane
	D035*	Methyl ethyl ketone
	D036*	Nitrobenzene
	D037*	Pentachlorophenol
	D038*	Pyridine
	D039*	Tetrachloroethylene
	D040*	Trichloroethylene
	D041*	2,4,5-Trichlorophenol
	D042*	2,4,6-Trichlorophenol
	D043*	Vinyl chloride

B. LISTED WASTE

M L I	CODE	SUBCATEGORY / CONSTITUENTS
	F001	Spent Halogenated Solvents
	F002	Spent Halogenated Solvents
	F003	Spent Non-Halogenated Solvents
	F004	Spent Non-Halogenated Solvents
	F005	Spent Non-Halogenated Solvents

CHECK REGULATED CONSTITUENTS FOR LISTED WASTES IDENTIFIED ABOVE (F001-F005):

	Acetone
	Benzene
	n-Butyl alcohol
	Carbon disulfide
	Carbon tetrachloride
	Chlorobenzene
	o-Cresol
	m-Cresol
	p-Cresol
	Cresol
	Cyclohexanone
	o-Dichlorobenzene
	Ethyl acetate
	Ethyl benzene
	Ethyl ether
	Isobutyl alcohol
	Methanol
	Methylene chloride
	Methyl ethyl ketone
	Methyl isobutyl ketone
	Nitrobenzene
	Pyridine
	Tetrachloroethylene
	Toluene
	1,1,1-Trichloroethane
	1,1,2-Trichloroethane
	1,1,2-Trichloro-1,2,2-trifluoroethane
	Trichloroethylene
	Trichlorofluoromethane
	Xylenes
	2-Nitropropane
	2-Ethoxyethanol

	F006	Electroplating WWT sludge
	F025	Wood preserving wastewater
	F037	Petroleum refinery primary oil/water separation sludge
	F038	Petroleum refinery secondary emulsion separation sludge
	F039	Multi-source Leachate
	K061	Dissolved air flotation float
	K062	Slop oil emulsion solids

Does the waste identified by an Asterisk (*) contain any Land Ban Hazardous Constituents (per 268.7(b)(1))?

[X] YES

[ ] NO

If YES, "attach a completed LDR/UHC form to this document"

C. OTHER WASTES (for codes not listed above)

M L I	Enter waste code/description/category, if applicable, in the table below.

Signature: X _____ Date: _____

EQ Tracking #_____

WASTE CHARACTERIZATION REPORT

TO EXPEDITE YOUR WASTE APPROVAL, PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Please Choose One EQ Management Facility

D

☐ Michigan Disposal Waste Treatment Plant (Stabilization and Treatment)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ Wayne Disposal, Inc. Site #2 Landfill (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 048 090 633
☒ Michigan Recovery Systems, Inc. (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road Phone: 800-521-0998	Romulus, MI 48174 Fax: 734-326-9375	EPA ID # MID 060 975 849
☐ EQIS - Transfer & Processing (Hazardous/Non-Hazardous Liquid Processing)	1010 Old Rawsonville Road Phone: 734-547-1000	Ypsilanti, MI 48197 Fax: 734-480-9195	EPA ID # MIR 000 035 969

Section 1 - Generator & Customer Information

SIC #

Generator EPA ID # OHR 000 100 081

Generator USEPA Region V - Jefferson Processing

Facility Address 42443 County Road 74

City Mingo Junction State OH Zip 43938

Mailing Address (if different) 776 Jackson Blvd.

City Chicago State IL Zip 60604

Generator Contact Thomas Cook

Title OSC

Phone 312 886 7182 Fax 312 353 9176

EQ Customer No. _____

Invoicing Company Capitol Environmental

Address 8229 Boone Blvd. Suite 310

City Vienna State VA Zip 22182

Country USA

Invoicing Contact Nicole White

Phone 703-356-3135 Fax 703-356-4198

Technical Contact Susan Schutt

Phone 301-218-6607 Fax 301-218-6612

Section 2 - Shipping and Packaging Information

2.1) Shipping volume 4 X 85 gal

Shipping frequency: ☒ One Time Only ☐ Annual

2.2) DOT shipping name "RQ" Hazardous waste liquid, N.O.S. (oil, lead), NA 3082, PG III (D008)

2.3) Packaging: (check all that apply)

- ☐ Bulk Solid (Yd³ < 2000 lbs/yd³)
- ☐ Bulk Solid (Ton >2000 lbs/yd³)
- ☐ Bulk Liquids (Gallons)
- ☐ Cubic Yard Boxes
- ☒ Drums 85 gal.
- ☐ Other (palletized, 5 gal. pails, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yd. if waste density is less than 2,000 lbs. per cubic yd. If waste density is greater than 2,000 lbs. per cubic yd., then bulk disposal charges will be billed by the ton regardless of the approved container.

Section 3 - Physical Characteristics

WASTE COMMON NAME Organic liquid drums - item D

3.1) Color (describe) brown

3.2) Odor (describe) petroleum

3.3) Physical state at 70°F (check all that apply)

☐ Solid ☐ Dust ☒ Liquid ☐ Sludge

3.4) Does this waste contain?: (check all that apply)

☒ Free Liquids ☐ Metal fines ☐ Powders ☐ Oily residue

☐ Biodegradable solvents ☐ NONE

3.5) Does this waste contain?: (check all that apply) ☒ NONE

☐ Asbestos - friable ☐ Pyrophoric waste

☐ Asbestos - non-friable ☐ Reactive waste

☐ Dioxins ☐ Shock Sensitive waste

☐ Furans ☐ Radioactive waste

☐ Biohazard ☐ Explosives

3.6) Describe the composition of the waste (i.e. key chemical compounds, soil, water, ppe, debris, etc.):

oil	75 to 95 %
dirt/dust, etc.	5 to 5 %
	___ to ___ %
	___ to ___ %
	Total = 100 %

3.7) Does this waste contain > 50% contaminated soil? ☐ Yes ☒ No

3.8) Does this waste contain > 50% debris by volume? ☐ Yes ☒ No (debris is greater than 2.5 inches in size)

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Section 4 - Generating Process and Regulatory Information

4.1) Provide a detailed description of the process (es) generating this waste (attach flow diagram if available):

Cleanup of a CERCLA site

Based upon RCRA waste regulations (40 CFR 261) and Michigan Act 451 Rules

			Waste Code(s)
4.2) Is this an EPA RCRA listed hazardous waste (e.g. K, P or U)?	☐ Yes	☒ No	
4.3) Is this a MICHIGAN hazardous waste (Other than RCRA)?	☐ Yes	☒ No	
4.4) Is this a MICHIGAN nonhazardous liquid industrial waste?	☐ Yes	☒ No	
4.5) Is this a UNIVERSAL waste?	☐ Yes	☒ No	
4.6) Does this waste exceed LDR treatment standards?	☒ Yes	☐ No	
4.7) Is this an EPA RCRA characteristic hazardous waste(D001-D043)?	☒ Yes	☐ No	D008

4.8) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ >140°F ☒ >200°F

4.9) Is the waste an oxidizer? ☐ Yes ☒ No

4.10) What is the pH of this waste? ☐ <2 ☐ 2-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

4.11) Does this waste contain reactive cyanide ≥ 250 ppm? ☐ Yes ☒ No

4.12) Does this waste contain reactive sulfide ≥ 500 ppm? ☐ Yes ☒ No

4.13) Is the waste surcharge exempt? (attach surcharge form) ☐ Yes ☒ No

Code		Regulatory Level TCLP (mg/L)	Concentration (if above)	Code		Regulatory Level TCLP (mg/L)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above 23.4 ppm	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☐ Below ☒ Above 1380 ppm	D028	1,2-Dichloroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP(Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

4.14) The hazardous constituent information is based on: ☐ Analysis (Please attach for review) ☐ Generator Knowledge ☒ Both

4.15) If this is a characteristic (D-coded) hazardous waste, does it contain underlying hazardous constituents? ☒ Yes ☐ No ☐ N/A

- If yes, indicate all hazardous constituents and their concentrations in the table provided in Section 5.

Section 5 - Constituent Information

Review the following items in the EQ Resource Guide and indicate their concentrations below:

1) MVOC (MDWTP Volatile Organic Compounds) 2) CCVOC (Subpart CC Volatile Organic Compounds)
3) UHC (Underlying Hazardous Constituents) 4) TRI (Toxic Release Inventory Constituents)

Indicate all constituents in your waste stream, their concentrations and circle Yes or No for UHC:

UHC?		(Yes) No	Xylene 38.6 ppm
Yes-No	lead	UHC?	
Yes-No	Zinc	Yes (No)	Ethyl Benzene 4.47 ppm
Yes-No	Toluene 7.68 ppm	Yes-No	

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Section 6 - PCB & TSCA Information

6.1) What is the concentration of PCBs in the waste? ☐ None ☑ 0-5 ppm ☐ 6-49 pp ☐ 50-499 ppm ☐ 500+ppm

6.2) Does this waste contain PCB contamination from a source with a concentration ≥50 ppm? ☐ Yes ☑ No

6.3) Does this waste contain free liquids? (use paint filter test) ☑ Yes ☐ No

6.4) Has this waste been processed into a non-liquid form? ☐ Yes ☑ No

If yes, what was the concentration of PCBs prior to processing? ☑ N/A ☐ 0-499 ppm ☐ 500+ ppm

6.5) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☑ No

6.6) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☑ No

6.7) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☑ N/A ☐ Yes ☐ No

Section 7 - Benzene NESHAP Information

NESHAP SIC CODES		
2812	2836	2879
2873	2861	2879
2816	2842	289.
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3317
2834	2871	4953
2835	2879	951

7.1) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☑ No

7.2) Does your company manage wastes from facilities with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☑ No

→ *If you answered "NO" to question 7.1 AND 7.2 please skip to Section 8.*

7.3) Does the waste contain >10 % water? ☐ Yes ☐ No

7.4) What is the TAB quantity for your facility? _____ Mg/Year

7.5) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No

7.6) What is the total Benzene concentration in your waste? _____ percent or _____ ppm/w.

(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602, and 624.)

Section 8 - Waste Constituent Information

→ COMPLETE FOR MICHIGAN DISPOSAL WASTE TREATMENT PLANT AND WAYNE DISPOSAL AND EQIS T&P

8.1) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? ☐ Yes ☐ No

8.2) Does this waste contain any MVOC constituents as defined in the EQ Resource Guide? ☐ Yes ☐ No

8.3) Is this waste subject to Subpart CC regulation (i.e., contain ≥500ppm (VOCs) Volatile Organic Compounds)? ☐ Yes ☐ No

→ If 8.1, 8.2 or 8.3 is "yes"—please indicate the constituents and their concentrations in the table provided in Section 5

Section 9 - Reclamation/Recycling/Fuel Blending

→ Complete for Michigan Recovery Systems ONLY

9.1) Heat value (BTU/lb): 23,500 ppm 9.3) Water (%): <1%

9.2) Chlorine(%): <1% 9.4) Solids (%): <1%

Section 10 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature: X [signature] Printed Name: THOMAS COLE

Company: U.S. E.P.A Title: OSC Date: 10/23/00

The generator's signature must appear on the EQ Waste Characterization Report. If the generator has authorized a third-party to certify this document, a written notice (on generator letterhead) must accompany this submittal.
Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

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[redacted]

Safety-Kleen

MATERIAL PROFILE

Safety-Kleen (SK) Use Only	If applicable: Intercompany Billing Facility #	Number	SK Line Of Business #:	Facility Profile #:

A. GENERATOR INFORMATION

☐ *Check if Billing Information is same as Generator Information*

Generator Name: US EPA Region 5, (Jefferson Processing)

Billing Company: SAFETY-KLEEN (PPM) INC.

Facility Address (No P.O. Box): 4243 COUNTY ROAD 74

Billing Address: 1672 EAST HIGHLAND ROAD

City/State/Zip: MINGO JUNCTION, OH 43938

City/State/Zip: TWINSBURG, OH 44087

Technical Contact: THOMAS COOK

Billing Contact: LYNN FRITZ

Phone: 740-284-1515 Fax: 740-284-1721

Phone: 330-425-3825 Fax: 330-487-5784

Generator Location (*If different from Facility Address*): 77 West Jackson Blvd., (HSE-5J) Chicago, IL 60604-3590

SIC Code: _____ ☐ CESQG ☐ SQG US EPA ID #: OHSFN0508038 State Generating ID #: _____

B. SHIPPING INFORMATION

☐ *DOT Assistance Requested* ☐ *Check if SK Transportation Services are requested*

US DOT Proper Shipping Name: RQ, POLYCHLORINATED BIPHENYLS

Hazard Class / Division #: 9 ID # (UN /NA): UN2315 Packing Group (PG): II RQ: 1 pound

Non-Bulk Shipping Containers

Size	Steel	Poly	Fiber	Quantity	Frequency
____ Gal	☐	☐	☐		
____ Gal	☐	☐	☐		
____ Gal	☐	☐	☐		
____ Gal	☐	☐	☐		

Bulk Shipping Containers

Container Type	Quantity & Size	Frequency
☐ Yd.³ Box or ☐ Super Sack		
☐ Hard Top or ☐ Tarped Bin		
☐ End Dump (Tarped) Trailer		
☐ Tank or ☐ Vacuum Trailer		

C. GENERAL MATERIAL & REGULATORY INFORMATION

Name of Material: ASKAREL

Process Generating The Material: TRANSFORMER DISPOSAL

Odor: ☒ None ☐ Mild ☐ Strong; Describe: _____

Yes	No	
☐	☒	Regulated or Licensed Radioactive Waste
☐	☒	Regulated Medical / Infectious Waste
☐	☒	Waste Subject To Benzene NESHAP Regulations
☒	☐	TSCA Regulated PCB Waste (*List any PCB level in Sec.D*)
☐	☒	Regulated Subpart CC Waste (VOs ≥ 500 ppm)
☐	☒	Regulated Ozone Depleting Substances
☒	☐	CERCLA Regulated (Superfund) Waste
☐	☒	Hazardous Debris (Subject to alternative LDR treatment standards)
☐	☒	Waste Contains UHCs/Constituents of Concern

If Yes, list in ☐ Sec. D *or* ☐ Constituent Addendum

Yes	No	
☐	☒	Meets LDR Standards or ☐ Partially Meets (For Landfill Only)
☐	☒	Commingled Waste (Two or more hazardous wastes mixed or done)
☐	☒	Sorbent Added; If Yes, is sorbent biodegradable? ☐ Yes ☐ No
☐	☒	Exempt Waste: If Yes, list reference 40 CFR _____
☐	☒	State Hazardous Waste: State Code _____
☐	☒	EPA Hazardous Waste

EPA Waste Codes (indicating any LDR subcategories, e.g., D001 Water Reactive).

EPA Haz Waste Only Origin Code: ☐1 ☐2 ☐3 ☐4 ☐5 Source Code: A _____ Form Code: B _____ System Code: M _____

D. MATERIAL COMPOSITION

1. Chemical / Physical Constituents: List all detectable components by chemical name, including physical material, e.g., sorbent, debris.

Chemical Constituents & Composition	ppm	☐ wt % ☐ vol %	Chemical Constituents & Composition	ppm	☐ wt % ☐ vol %
POLYCHLORINATED BIPHENYLS	PURE	100			

Section D continues on the next page for Elemental Constituents ☞

Range Total ≥ 100%

ORIGINAL

[redacted]

Note: Completion of Sections D.2 & F is optional for: ☐ Analytical Profile (representative sample submitted; test results used to complete D.2 & F)

Completion of Sections D.2, E & F is optional for: ☐ Standard Industry Profile (Safety-Kleen Corp. historical data utilized to complete D.2, E. & F)

D. MATERIAL COMPOSITION (Cont...)

2. Elemental Constituents ☒ *Check if this waste contains No Detectable Elements / Metals, unless listed below.*

Check either: ☐ Total Analysis *or* ☐ TCLP Method *or* ☐ Generator Knowledge, then enter data below.

Constituent	ppm	Constituent	ppm	Constituent	ppm	Constituent	ppm	Constituent	ppm
Aluminum		Cadmium		Fluorine		Nickel		Sodium	
Antimony		Chloride		Lead		Phosphorous		Sulfur	
Arsenic		Chromium		Lithium		Potassium		Thallium	
Barium		Cobalt		Manganese		Selenium		Titanium	
Beryllium		Copper		Mercury		Silicon		Vanadium	
Bromine		Iodine		Molybdenum		Silver		Zinc	

E. REACTIVE CHARACTERISTICS

☒ *Check if this waste exhibits No Reactive Characteristics*

Yes	No		Yes	No		Yes	No	
☐	☐	Explosive	☐	☐	Oxidizer	☐	☐	Reactive Cyanide ____ ppm
☐	☐	Shock Sensitive	☐	☐	Water Reactive	☐	☐	Reactive Sulfide ____ ppm
☐	☐	Pyrophoric	☐	☐	Air Reactive	☐	☐	Polymerizable
☐	☐	Other Incompatibles; Describe ____						

F. MATERIAL PHYSICAL CHARACTERISTICS @ 70° F.

# of Phases	1	Color	CLEAR	Flash Point	____ °F (if < 73 °F)	pH	☐ Liquids > 20% H_2O or ☒ Non-Aqueous
Liquid %	100	Specific Gravity	1.5	☐ 73 - <100°F	☐ 100 - 141°F		☐ ≤ 2 pH ☐ > 2 - 4 pH ☒ > 4 - 10 pH
Sludge %		Viscosity cps	<200	☐ 142°F - <200° F	☒ ≥200° F		☐ > 10 - < 12.5 pH ☐ ≥ 12.5 pH
Solid %		Density	12.4	Boiling Point (if < 130°F)		BTUs / lb. or Range	
Powder %		☐ lbs./ gal. ☐ lbs./ cu. ft.		Ash % (Bridgeport Only)			
Gel %		Comments					

G. GENERATOR PROFILE CERTIFICATION

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator that the information supplied on this form and on any attachments or supplements hereto is complete and accurate, and that all known or suspected hazards of the material(s) described herein have been disclosed. I agree that if the sample test results indicate a discrepancy with any information supplied on this form, that either Safety-Kleen or the generator may initiate further testing and evaluation in accordance with the terms and conditions of the contract between Safety-Kleen and the generator and that this profile certification may be amended accordingly.

Generator's Authorized Signature — Thomas Cook OSC — Name & Title (Printed or Typed) — 8 / 25 / 00 Date

Comments ____

Safety-Kleen Use Only ☐ SKOS ☐ SKVS ☐ Non-haz Evaluation ☐ Standard Industry Profile: SIP Index # ____

SK Sales Rep. Name ____ Rep.# ____ Territory/Branch # ____

Process Approval # ____ Product Code or Part # ____ TRI Flowpath # ____ Pricing ____

Waste Approval & Certification

I certify acceptability of this waste stream and that all appropriate permits have been obtained, as indicated by Safety-Kleen's facility approval below:

Safety-Kleen's Authorized Facility Signature — Name & Title (Printed or Typed) — ___ / ___ / ___ Date

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ORIGINAL

WASTE PRODUCT SURVEY

ROSS®
Ross Incineration Services, Inc.

3670 Giles Road, Grafton, Ohio 44044 1-800-858-ROSS (7677) (440) 748-2171 Fax (440) 748-1267 USEPA ID # OHD 048 415 663

Please do not leave any blank spaces

1. WPS # [redacted] (If applicable)
Former AFS #

2. GENERATOR INFORMATION

Generator ID#
U.S. EPA ID # OHSFN0508038
Plant Address 4243 County Rd. 74
City, State, Zip Mingo Junction, OH 43938
Ship from address
City, State, Zip
Service Agreement Entity
Primary business activity at generating facility Metal Smelter

Business Contact/Title Chris Lee
Mailing Address 8229 Boone Blvd Ste 310
City, State, Zip Vienna VA 22182
Phone 703 356 3135 Ext. Fax 703 356 4194
Technical Contact/Title
Mailing Address
City, State, Zip
Phone Ext. Fax
24-hour Emergency phone 800 500 2374
After Hours phone

Is facility a "90 Mg Generator" per 40 CFR at 540? Yes X No
Does this facility process, use or receive munitions or explosives? Yes X No

3. GENERAL INFORMATION

Waste Name Transformer Oil
Physical Description Liquid
Generator code N/A (optional)
SIC code N/A
Process that generates the waste CERCLA Removal Action
Rate of generation 1000 gals - 1 Time
Current accumulation drums
bulk (gallons) 12,000 gallons

Waste this waste generated from a CERCLA (Superfund) activity?
Yes X No
Do you receive RCRA hazardous waste from any other facility?
Yes No X
Is your company the original generator of this waste?
Yes No X
Is the disposal of this material controlled under TSCA (PCB >50 ppm, asbestos not amenable to incineration, etc.)?
Yes No X

4. SHIPPING INFORMATION

Dimensions & Volume	Material of Construction	Container Type (drum, Gaylord, etc.)

Bladder drum Y (N) Overpack Drum Y (N)
All containers must meet applicable DOT and RCRA requirements

5. CHEMICAL COMPOSITION

Components including but not limited to 40 CFR 261 Subpart B, C & D, ACGIH/OSHA/CERCLA information provided: Y N

Chemical Components	Concentration Range WT %		PPM
Transformer oil	100	to	
<50 ppm PCB		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	
		to	
Benzene		to	
Water		to	
Total>	100%		

Per subpart CC, VOC > 500 ppm Yes No

6. SOURCE OF INFORMATION

Analytical (please check)

Grab sample X Composite sample
MSDS Generator Knowledge X
Other (please specify)

7. SPECIFIC ANALYSIS OF WASTE

Do not leave any blanks in this section. If not present put "0"

A. Organic Bound Concentration Range (Wt%)		Total Concentration Range (WT %)		B. Total Metals Content (report in ppm)			
S	0 to		to	Sb	0 ppm	Pb	0 ppm
Cl	0 to	0.01	to	As	0 ppm	Hg	0 ppm
F	0 to		to	Ba	0 ppm	Ni	0 ppm
Br	0 to		to	Be	0 ppm	Se	0 ppm
I	0 to		to	Cd	0 ppm	Ag	0 ppm
N	0 to		to	Cr	0 ppm	Tl	0 ppm
P	0 to		to	Cu	0 ppm	Zn	0 ppm
				Mo	0 ppm		
				Al	0 %	Si	0 %
				Mg	0 %	Na	0 %
				K	0 %	Li	0 %

C. Does this waste contain:
PCBs: 0 ppm (1-49 ppm*) >= or equal to 50 ppm*
Asbestos Yes No X
Insecticides, pesticides, herbicides, rodenticides Yes (No)
*If yes, identify each and list concentrations

Dioxin* Yes No X
Total available cyanides > 250 ppm Yes No X
Amenable cyanides: Yes No X ppm
Total available sulfides > 500 ppm Yes No X
Toxicity: eye ingestion dermal
(explain) inhalation carcinogen other
*If present attach supporting data, including detection limit

8. PHYSICAL PROPERTIES

Physical State at 70°F (Circle all that apply): Liquid, Semi-Solid, Solid, Powder, Sludge, Gas

Viscosity at 70°F: Med

Is this material pumpable at 70°F (<2,000 cP)? Yes X No

Describe Consistency: Medium Viscosity liquid

Dusting Hazard? Yes No X

Is the material multi-layered? Yes No X

Description of Layer: From To Fixed

Dissolved Solids %WT

Suspended Solids %WT

BTU/lb: 6,000 to 10,000

Ash Content: < 10 %WT

Flash Point: > 200 °F

Vapor Pressure at 70°F mmHg

Specific Gravity: 1.8 to 1.2

pH: 7

Corrosivity MPY (circle one): ≤ 10, 31 - 50, 51 - 250, > 250

Color: Brown Black

Odor: N/A

Describe

10. EPA AND DOT INFORMATION

A. Is this waste hazardous as defined in 40 CFR Part 261 (OAC) 3745-51? Yes No X

B. EPA Haz Waste No (s) — Reasons for Selection

C. State Haz Waste No (s) — Reason for Selection

D. DOT description: Non Regulated material

DOT "Poison inhalation hazard"? Yes No X

Container label(s)

Placards

9. REACTIVITY AND STABILITY

A. Reactivity group number(s) for this waste: N/A

B. Is this material stable? X Yes No*

(i.e. polymerizes with age, water/air reactive)

C. Is this material shock heat or friction sensitive? Yes* No X

*Explain

COMMENTS

Section	Comments
	Generator Mailing Address US EPA Region V 77 W. Jackson Blvd Chicago, IL 60606

11. LAND DISPOSAL RESTRICTIONS

A. Have treatment standards/methods been established? Yes X No

If yes, refer to 40 CFR 268.40 for the Universal Treatment Standards.

B. Wastewater .10 Non-Wastewater 10

C. Is this waste a lab-pack? Yes No X

12. ACCOUNTABILITY STATEMENT

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete and all known and suspected hazards have been disclosed.

Authorized Signature — Date: 8/25/00

Thomas Cook — Print Name

OSC — Print Title

Urgent / Rush

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Mailing Address: 77 W. Jackson Blvd, Chicago IL 60604

Service Agreement on File? ☒ YES ☐ NO

☐ Hazardous ☐ Non-Hazardous ☒ TSCA

Profile Number: WM CS 3622

Renewal Date: / /

A. Waste Generator Information

1. Generator Name: US EPA Region V (Site Processing)
2. SIC Code: N/A
3. Facility Street Address: 4243 County Rd. 74
4. Phone: (740) 284 1515
5. Facility City: Mingo Junction
6. State/Province: OH
7. Zip/Postal Code: 43938
8. Generator USEPA/Federal ID #: OHS FNO 548 838
9. County:
10. State/Province ID #:
11. Customer Name: Earth Tech
12. Customer Phone: (815) 262 1880
13. Customer Contact: James Sabau
14. Customer Fax: 815 639 0728
15. Billing Address: ☐ Same as above

B. Waste Stream Information

1. **Description**

a. Name of Waste: PPE / Debris Contaminated w/ PCB's Debris consists Plastic, Wood, Siding, Floor Sweepings

b. Process Generating Waste: CERCLA Removal Action @ an abandoned Ferro-Alloy Plant

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range
multi	N/A	☒ Solid ☐ Liquid ☐ Gas ☐ Sludge ☐ Other	☒ Single Layer ☐ Multi-layer	Ø to Ø %
				h. pH: Range 5 to 8 %

i. Liquid Flash Point: ☐ <73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☐ ≥ 200°F ☒ Not applicable

j. Chemical Composition (List all constituents (including halogenated organics, debris, and UHC's) present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
PCB Contaminated PPE	100%		
Debris			

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

k. ☐ Oxidizer ☐ Pyrophoric ☐ Explosive ☐ Radioactive ☐ Carcinogen ☐ Infectious ☐ Shock Sensitive ☐ Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j) ☐ YES ☒ NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j) ☐ YES ☒ NO

n. Does the waste represented by this profile contain asbestos? ☐ YES ☒ NO
If yes ☐ friable ☐ non-friable

o. Does the waste represented by this profile contain benzene? ☐ YES ☒ NO
If yes, concentration _____ ppm
Is the waste subject to the benzene waste operations NESHAP? ☐ YES ☒ NO

p. Is the waste subject to RCRA Subpart CC controls? ☐ YES ☒ NO
If no, does the waste meet the organic LDR Exemption? ☐ YES ☒ NO
If no, does the waste contain <500 ppmw volatile organic (VO)? ☒ YES ☐ NO
Volatile organic concentration <500 ppmw

q. Does the waste contain any Class I or Class II ozone-depleting substances? ☐ YES ☒ NO

r. Does the waste contain debris? (list in Ssection B.1.j) ☒ YES ☐ NO

2. **Quantity of Waste**
Estimated Annual Volume 1X20 yd³ Roll-off ☐ Tons ☒ Yards ☐ Drums ☐ Other (specify) _____

3. **Shipping Information**

a. Packaging
☒ Bulk Solid, Type/Size: 20yd³ Roll-off ☐ Bulk Liquid: Type/Size: _____
☐ Drum, Type; Size: _____ ☐ Other: _____

b. Shipping Frequency: Units 1 Per: ☐ Month ☐ Quarter ☐ Year ☒ One time ☐ Other _____

c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ☒ YES ☐ NO

WM WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

CS 3622

PLEASE PRINT IN INK OR TYPE

d. Reportable Quantity (lbs., kgs.): 1 lb e. Hazard Class/ID #: 9 UN2315

f. USDOT Shipping Name: RQ, Polychlorinated Biphenyls, Solid 9 UN2315

g. Personal Protective Equipment Requirements: PCBs

h. Transporter/Transfer Station:

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2. ☐YES ☒NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U)
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes, list in Section B.1.j) ☐YES ☐NO N/A
   c. Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) ☒YES ☐NO
2. Is this a state hazardous waste? ☐YES ☒NO
   Identify ALL state hazardous waste codes
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☒YES ☐NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up, provide relevant documentation.
4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐YES ☒NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.j) ☒YES ☐NO
   a. If yes, were the PCBs imported into the U.S.? ☐YES ☒NO
6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste been disclosed to the Contractor? ☒YES ☐NO
7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒YES ☐NO

☒ Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: [signature] Title: On-Scene-Coordinator

Name (Type or Print): Thomas Cook Company Name: U.S. EPA Date: 10/17/00

☐ Check if additional information is attached. Indicate the number of attached pages

D. WM Management's Decision — FOR WM USE ONLY

1. Management Method ☐ Landfill ☐ Non-hazardous Solidification ☐ Bioremediation ☐ Incineration ☐ Hazardous Stabilization ☐ Other (Specify)
2. Proposed Ultimate Management Facility:
3. Precautions, Special Handling Procedures, or Limitation on Approval:

4. Waste Form 5. Source 6. System Type

Special Waste Decision ☐ Approved ☐ Disapproved

Salesperson's Signature: Date:

Division Approval Signature (Optional): Date:

Special Waste Approvals Person Signature: Date:

998-8117