



**Michigan Disposal Waste Treatment
Plant**

Waste Stabilization & Treatment

Wayne Disposal, Inc. Site #2 Landfill
Hazardous & PCB Waste Landfill

EQ Detroit, Inc.

Waste Stabilization & Wastewater
Treatment

EQ Resource Recovery, Inc.

Solvent Recovery, Fuel Blending &
Wastewater Treatment

EQ North Carolina

Waste Stabilization, Treatment &
Labpack Decommissioning

EQ Florida, Inc.

Drum Consolidation & Labpack
Decommissioning

EQ Transfer & Processing

Universal Waste Handling & Container
Transfer Services

EQ Indianapolis

Nonhazardous Waste Processing,
Universal Waste Handling & Container
Transfer Services

EQ Atlanta

Nonhazardous Waste Processing,
Universal Waste Handling & Container
Transfer Services

EQ Augusta, Inc.

Nonhazardous Wastewater Treatment

**Resource
Guide
For
New
Approvals**

www.eqonline.com

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Approval Requirements

The following chart specifies approval requirements for each EQ facility. All facilities require a completed EQ Waste Characterization Report for approval. We also request that you include all supporting documentation that is available (i.e.: MSDS, analysis, process diagrams, site maps, etc.)

This table should be used as a reference guide only. There are cases outside of this where samples or additional documentation may be required. Please feel free to contact your EQ Resource Coordinator or Industrial Service Coordinator for further information.

| EQ Facility → | Michigan Disposal Waste Treatment Plant | Wayne Disposal, Inc. Site # 2 Landfill | EQ Detroit, Inc. | EQ Resource Recovery, Inc. | EQ North Carolina | EQ Florida, Inc. | EQ Transfer & Processing (Ypsilanti) | EQ Transfer & Processing (Indianapolis) | EQ Transfer & Processing (Atlanta) | EQ Augusta, Inc. |
|--|---|--|------------------------|----------------------------|------------------------|------------------------|--------------------------------------|---|------------------------------------|------------------------|
| Hazardous Liquids, Solids, and Sludges | WCR* & Analysis | WCR & Analysis | WCR & Analysis | WCR | WCR & Analysis | WCR & Analysis | N/A | N/A | N/A | N/A |
| Hazardous Debris | WCR | WCR | WCR | WCR | WCR | WCR & Analysis | N/A | N/A | N/A | N/A |
| Non Hazardous Liquids, Solids, and Sludges | WCR & MSDS or Analysis | WCR & MSDS or Analysis | WCR & MSDS or Analysis | WCR | WCR & MSDS or Analysis | WCR & MSDS or Analysis | WCR | WCR | WCR | WCR & MSDS or Analysis |
| Virgin Products | WCR & MSDS | WCR & MSDS | WCR & MSDS | WCR & MSDS | WCR & MSDS | WCR & MSDS | WCR & MSDS | WCR & MSDS | WCR & MSDS | WCR & MSDS or Analysis |
| TSCA (PCB) Solids | N/A | WCR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| State of Michigan Hazardous Wastes | WCR | WCR | WCR | WCR | WCR | N/A | N/A | N/A | N/A | N/A |

*WCR – Waste Characterization Report

Sample Requirements

Samples submitted for approval should be representative of the waste stream. (I.E.: A waste is 10% liquid, 90% solid, the sample should be 10% liquid and 90% solid.)

Please label the sample with the site/generator's name, waste stream common name, sample date and the name of the responsible party. (I.E.: Engineering firm.) Also, please include a chain of custody when shipping the sample to help expedite the identification of the sample.

EQ – The Environmental Quality Company

EQ represents a group of related companies that provide services and solutions for safely managing hazardous and nonhazardous wastes. EQ professionals are dedicated to operating modern waste management facilities in full compliance with all applicable federal and state regulations to protect the environment and the public. EQ utilizes advanced waste management technologies that enable industries and municipalities nationwide to properly dispose of the wastes produced as a byproduct of our modern lifestyle.

Michigan Disposal Waste Treatment Plant

EPA ID#: MID 000 724 831
49350 N I-94 Service Drive, Belleville, MI 48111
Phone: 800-592-5489
Fax: 800-592-5329

Michigan Disposal Waste Treatment Plant is one of the largest treatment facilities in the United States. The plant treats industrial wastes and remedial action projects to meet land disposal requirements. Employing the Best Demonstrated Available Technology (BDAT), EQ's treatment services include stabilization and neutralization of hazardous and nonhazardous sludges, soils, slurries, liquids, powders, and dusts. Organic wastes are chemically oxidized prior to disposal, and pozzolanic stabilization is employed for metal-bearing wastes. These treatments render an insoluble, solid, material for safe land disposal.

Wayne Disposal, Inc. Site #2 Landfill

EPA ID#: MID 048 090 633
49350 N I-94 Service Drive, Belleville, MI 48111
Phone: 800-592-5489
Fax: 800-592-5329

Wayne Disposal, Inc. Site #2 Landfill is a fully permitted Subtitle C landfill and can accept over 600 different waste codes that meet all land disposal restrictions. It is constructed using a state-of-the-art, double composite synthetic liner. Wayne Disposal is also fully permitted for handling TSCA solids.

EQ Detroit, Inc.

EPA ID#: MID 980 991 566
1923 Frederick Street, Detroit, MI 48211
Phone: 313-923-0080
Fax: 313-923-3375

EQ Detroit, Inc. offers essential treatment services for hazardous and non-hazardous liquids, solids, sludges, and debris. These services include wastewater treatment, stabilization and solidification. EQ Detroit, Inc. is a RCRA Part B permitted facility that can handle nearly all Federal and State of Michigan waste codes.

EQ Resource Recovery, Inc.

EPA ID#: MID 060 975 844
36345 Van Born Road, Romulus, MI 48174
Phone: 866-373-8357
Fax: 734-326-4033

EQ Resource Recovery, Inc. (EQRR) is a specialist in the recycling and reclamation of industrial organic solvents for direct reuse. These materials include halogenated and nonhalogenated solvents, solvent blends, paint, adhesives, inks, gasoline and other petroleum by-products, high boiling solvents, chemicals, and spent aircraft deicing fluid. EQRR also manages various hydrocarbon waste streams by blending them into a fuel burned by cement kilns.

EQ North Carolina

EPA ID#: NCD 982 170 292
1005 Investment Blvd, Apex, NC 27502
Phone: 919-363-4700
Fax: 919-363-4714

EQ North Carolina is a fully permitted RCRA Part B waste treatment plant. The plant can treat a wide diversity of industrial and remedial action wastes to meet land disposal restrictions. The facilities diverse capabilities include lab packing and de-packing, and LTL services.

EQ Florida, Inc.

EPA ID#: FLD 981 932 494
7202 East 8th Ave
Tampa, FL 33619
Phone: 813-623-5463
Fax: 813-628-0842

EQ Florida, Inc. offers a single source option for your waste management needs. This RCRA Part B permitted facility can manage nearly all waste codes and specializes in lab-packing, small quantity services including LTL, and household hazardous waste management. Additional services include remediation and industrial cleaning and maintenance.

EQ – Transfer and Processing

EPA ID#: MIK 939 928 313
1000 Ferry Street
Detroit, MI 48211
Phone: 313-923-0080
Fax: 313-922-8419

EQ Indianapolis

EPA ID#: IND 161 049 309
4000 West 10th Street,
Indianapolis, IN 46206
Phone: 317-247-7160
Fax: 317-247-7170

EQ Atlanta

EPA ID#: GAR 000 039 776
5600 Fulton Industrial Blvd
Southwest
Atlanta, GA 30336
Phone: 404-494-3520
Fax: 404-494-3560

EQ Transfer and Processing facilities provide an important link between EQ customers and the organization's fixed-based treatment, disposal and recycling facilities. All three locations are fully permitted facilities for coordinating container transfer and LTL services for hazardous and nonhazardous materials, processing for nonhazardous wastes, and Universal Waste sorting, bulking and final disposition. These facilities also offer services such as lab packing; spill response and RCRA empty drum handling.

EQ Augusta, Inc.

EPA ID#: GAR 000 011 817
3920 Goshen Industrial Blvd
Augusta, GA 30906
Phone: 706-771-9100
Fax: 706-771-9124

EQ Augusta, Inc. provides nonhazardous wastewater treatment for industrial clients. Based in Augusta, Georgia, the facility was recently updated to comply with the Federal Centralized Wastewater Treatment discharge standards. Our methods include oil/water separation, physical, chemical and biological treatments. EQ Augusta also provides tanker washing.

Section 1 Generator & Customer Information

Waste Common Name: _____

Section 1 – Generator & Customer Information

| | |
|--|--|
| <p style="text-align: right;">SIC/NAICS* _____</p> <p>Generator EPA ID # _____</p> <p>Generator _____</p> <p>Facility Address _____</p> <p>City _____ State _____ Zip _____</p> <p>County _____</p> <p>Mailing Address _____</p> <p>City _____ State _____ Zip _____</p> <p>Generator Contact _____</p> <p>Title _____</p> <p>Phone _____ Fax _____</p> <p><small>*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.</small></p> | <p><i>Internal Use Only: EQ Division</i> _____</p> <p style="text-align: right;">EQ Customer No. _____</p> <p>Invoicing Company _____</p> <p>Address _____</p> <p>City _____ State _____ Zip _____</p> <p>Country _____</p> <p>Invoicing Contact _____</p> <p>Phone _____ Fax _____</p> <p>Technical Contact _____</p> <p>Phone _____ Fax _____</p> <p>Mobile _____ Pager _____</p> <p>E-mail _____</p> |
|--|--|

Waste Common Name – Please provide the common name of the waste stream. This name will be used to identify the waste on all correspondences.

NAICS/SIC Number – Several waste streams are SIC specific, this number helps to avoid confusion and can confirm waste stream origins. For a list of NAICS codes, please see pages 18 – 19.

Generator EPA ID # - This 12 digit alpha numeric identification number must be completed for all hazardous waste, PCB waste, and non-hazardous, liquid industrial waste streams.

Michigan Generators – Please contact the Michigan Department of Environmental Quality (MDEQ) at 517-373-2730. The MDEQ will require a one-time application fee of \$50.00 and a completed EP 5150 form, available on line at: www.michigan.gov/deq.

Out of State Generators – Please contact your regional U.S. Environmental Protection Agency (U.S. EPA) office.

Liquid Industrial Waste Generators – If the generator only generates liquid industrial waste, and does not have an EPA ID #, then a Michigan Nonhazardous ID number may be obtained by calling the MDEQ at (517) 373-2730. The MDEQ will require a one-time application fee of \$50.00 and a completed EP 5150 form, available on line at: www.michigan.gov/deq.

Generators Outside of the U.S.A. – Please contact your Resource Coordinator or Industrial Service Coordinator for further instructions.

Generator Name, Address, City, State, Zip – Please enter the appropriate SITE information, including the name of the parent corporation, if applicable.

Generator Mailing Address – If the mailing address is different from the site address, please provide the mailing information. This is the address that will be used to send notifications, certificates of disposal, and manifest copies. This address will help us to insure timely delivery. Also, please include all mail codes, etc.

Generator Contact – Please provide the name, phone, and fax of the generator’s employee responsible for the proper management of this waste.

EQ Customer Number – The EQ Customer Number is a required field for invoicing purposes. The customer number serves as the invoicing account. If you need to establish an invoicing account, please fill out the New Account Application. To request a copy of the application, please contact your Resource Coordinator or Industrial Service Coordinator.

Invoicing Company – Please provide the proper company name and address for invoicing purposes.

Invoicing Contact – Please provide the name, phone, and fax for the person responsible for processing invoices.

Technical Contact – Please provide the appropriate information for the person with knowledge of the waste stream. This is the person EQ will contact to resolve any issues with the waste stream approval or with the actual waste shipment. The more information provided, the faster we will be able to expedite the paperwork.

Section 2 Shipping & Packaging Information

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency _____
 One Time Only Year Quarter Month

2.2) DOT Shipping Name _____

2.3) Is this waste surcharge exempt? Yes No
Please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging (**check all that apply**)

- Bulk Solid (Yd³ < 2000 lbs/yd³)
- Bulk Solid (Ton >2000 lbs/yd³)
- Bulk Liquids (Gallon)
- Totes, Size _____
- Cubic Yard Boxes/Bags
- Drums, Size _____
- Other (palletized, 5 gal. Pail, etc.) _____

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

2.1) Shipping Volume & Frequency – Please enter the estimated volume of the waste and indicate the frequency of shipment.

2.2) DOT Shipping Name – Please provide the proper DOT Shipping Name to be used on the shipping papers.

2.3) Is this waste surcharge exempt? – Please indicate whether this waste stream is surcharge exempt. For a description, please see page 6 of this section. If you answered ‘yes’, please complete the Surcharge Exemption Certification (Page 6) and submit it with your profile for approval. This document must also be sent with each shipment of waste.

2.4) Packaging – Please mark the type of packaging anticipated to be used. Please check all that may apply. If waste is shipped in packaging other than noted on the profile, you may experience delays at the time of waste receipt.



SURCHARGE EXEMPTION CERTIFICATION

Please check one:

Michigan Disposal Waste Treatment Plant

49350 North I-94 Service Drive
Belleville, MI 48111
Phone: (800) 592-5489
Fax: (800) 592-5329

EQ Detroit, Inc.

1923 Frederick Street
Detroit, MI 48211
Phone: (313) 923-0080
Fax: (313) 923-3375

Wayne Disposal, Inc., Site #2 Landfill

49350 North I-94 Service Drive
Belleville, MI 48111
Phone: (800) 592-5489
Fax: (800) 592-5329

This is a certification, pursuant to 324.11108 of Act 451 of 1994 (the Hazardous Waste Management Act) that the hazardous waste identified herein is exempt from the surcharge provided in the Act.

Waste Code(s): _____

Waste Description: _____

Quantity and Units: _____

Manifest Number: _____

EQ Approval Number: _____

This shipment is exempt from the surcharge because the waste is:

- Ash that results from the incineration of hazardous waste or the incinerations of solid waste as defined in part 115.
- Hazardous waste exempted by rule because of its character or the treatment it has received.
- Hazardous waste that is removed from a site of environmental contamination that is included in a list submitted to the legislature pursuant to section 20105, or hazardous waste that is removed as part of a site cleanup activity at the expense of the state [*Michigan*] or federal government.
- Solidified hazardous waste produced by a solidification facility licensed pursuant to section 11123 and destined for land disposal.
- Hazardous waste generated pursuant to a 1-time closure or site cleanup activity in this state if the closure or cleanup activity has been authorized in writing by the department. Hazardous waste resulting from the cleanup of inadvertent releases which occur after March 30, 1988 is not exempt from the fee.
- Primary and secondary wastewater treatment solids from a wastewater treatment plant that includes an aggressive biological treatment facility as defined in section 3005(j)(12)(B) of subtitle C of the solid waste disposal act, title II of Public Law 89-272, 42 U.S.C. 6925.
- Emission control dust or sludge from the primary production of steel in electric furnaces.

Generator Signature _____ Company Name _____

Printed Name _____ Date _____

Section 3 Physical Characteristics

Section 3 – Physical Characteristics

| | |
|---|--|
| 3.1) Color _____ | 3.2) Odor _____ |
| 3.3) Does this waste contain any “Potentially Odorous Constituents” as defined in the EQ Resource Guide? (Section 3) <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 3.4) Physical State at 70°F: | <input type="checkbox"/> Solid <input type="checkbox"/> Dust/Powder <input type="checkbox"/> Liquid <input type="checkbox"/> Sludge |
| 3.5) What is the pH of this waste? | <input type="checkbox"/> ≤2 <input type="checkbox"/> 2.1-4.9 <input type="checkbox"/> 5-10 <input type="checkbox"/> 10.1-12.4 <input type="checkbox"/> ≥12.5 |
| 3.6) What is the flash point of this waste? | <input type="checkbox"/> <90°F <input type="checkbox"/> 90-140°F <input type="checkbox"/> 140-199°F <input type="checkbox"/> >200°F |
| 3.7) Does this waste contain? (check all that apply) | |
| <input type="checkbox"/> Biodegradable Sorbants | <input type="checkbox"/> Amines |
| <input type="checkbox"/> Shock Sensitive Waste | <input type="checkbox"/> Reactive Waste |
| <input type="checkbox"/> Asbestos – non-friable | <input type="checkbox"/> Asbestos – friable |
| <input type="checkbox"/> Ammonia | <input type="checkbox"/> Radioactive Waste |
| <input type="checkbox"/> None | <input type="checkbox"/> Explosives |
| <input type="checkbox"/> Free Liquids | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Pyrophoric Waste | <input type="checkbox"/> Biohazard |
| <input type="checkbox"/> Furans | <input type="checkbox"/> Metal Fines |
| | <input type="checkbox"/> Aluminum |
| | <input type="checkbox"/> Isocyanates |

3.1) Color – Describe the color of the waste, please include any variations.

3.2) Odor – Please describe any odor associated with the waste.

3.3) Potentially Odorous Constituents – Michigan Disposal Waste Treatment Plant cannot accept wastes that contain these potentially odorous constituents. Any odorous constituents found on the list on page 8 of this section should be identified in Section 11.

3.4) Physical State – Please check all that apply.

3.5) pH – Please indicate the most appropriate pH range for your waste stream.

3.6) Flash Point – Please indicate the most appropriate flash point range for your waste stream.

3.7) Does this waste contain? – Please check all that apply. If none of these are present in your waste stream, please check ‘none’.

Section 3
Potentially Odorous Constituents

This List Applies to Michigan Disposal Waste Treatment Plant and EQ Detroit Only!

| Michigan Disposal Waste Treatment Plant | | | EQ Detroit, Inc. | | |
|--|---|-------------------|-------------------------|---|-------------------|
| Reference Number | Potentially Odorous Constituents | CAS Number | Reference Number | Potentially Odorous Constituents | CAS Number |
| 300 | Methylamine | 74-89-5 | 300 | Methylamine | 74-89-5 |
| 301 | Benzylamine | 100-46-9 | 301 | Benzylamine | 100-46-9 |
| 302 | Dimethylamine | 124-40-3 | | | |
| 303 | Tetramethylammonium chloride | 75-57-0 | | | |
| 304 | Trimethylamine | 75-50-3 | 304 | Trimethylamine | 75-50-3 |
| 305 | Diisobutyl ketone | 108-83-8 | 305 | Diisobutyl ketone | 108-83-8 |
| 306 | Butyric acid | 107-92-6 | 306 | Butyric acid | 107-92-6 |
| 307 | Methanethiol | 74-93-1 | | | |
| 308 | 2-Butanethiol | 513-53-1 | 308 | 2-Butanethiol | 513-53-1 |
| 309 | Dimethyl sulfide | 75-18-3 | 309 | Dimethyl sulfide | 75-18-3 |
| 310 | Thioglycolic acid | 68-11-1 | 310 | Thioglycolic acid | 68-11-1 |
| 311 | Thiram | 137-26-8 | 311 | Thiram | 137-26-8 |
| 312 | Thionyl chloride | 7719-09-7 | 312 | Thionyl chloride | 7719-09-7 |
| 313 | Diethyl sulfide | 352-93-2 | 313 | Diethyl sulfide | 352-93-2 |
| 314 | Ethanethiol | 75-08-1 | 314 | Ethanethiol | 75-08-1 |
| | | | 315 | Diethylamine | 109-89-7 |
| | Mercaptans | | | | |

Section 4 Waste Composition and Generating Process

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

_____ to _____ % _____ to _____ %
_____ to _____ % _____ to _____ %

Total : 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

4.1) Waste Composition – Please provide as much information as possible. Please include all possible items. (i.e.: PPE, soil, filtercake, etc.)

4.2) Detailed Process Description – Please provide as much information as possible describing the complete process that generated the waste. This information is used to determine if the waste is from a regulated process. Flow diagrams and pictorial representations help eliminate concerns. For remediation sites: Please explain the source of the contamination and provide a site map or site history when available.

Section 5 Is This Hazardous Waste?

Section 5 – Is This Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules:

Please list applicable waste code(s):

- | | | | |
|---|-------------------------------|-----------------------------|-------|
| 5.1) Is this an <u>EPA RCRA listed</u> hazardous waste (F, K, P or U)? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <hr/> |
| 5.2) Is this an <u>EPA RCRA characteristic</u> hazardous waste (D001-D043)? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <hr/> |
| 5.3) Do any <u>State Hazardous Waste Codes</u> apply? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <hr/> |
| 5.4) Is this waste intended for wastewater treatment? | <input type="checkbox"/> Yes* | <input type="checkbox"/> No | |

*If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.*

5.1) Listed Wastes – For a complete list of RCRA listed wastes and definitions, please refer to 40 CFR Part 261.31 – 261.33.

5.2) Characteristic Wastes – For a complete list of characteristic waste codes and definitions, please refer to 40 CFR 261.24.

5.3) State Waste Codes – The State of Michigan regulates some materials in addition to the U.S. EPA. For a complete list of Michigan Act 451 hazardous wastes and definitions, please see pages 10 - 11 of this section. Other states may or may not regulate additional wastes, if necessary, please provide the appropriate State Waste Code in this area.

5.4) Wastewater Treatment – Several EQ operations offer wastewater treatment services. In order to properly manage your waste, please check yes or no as appropriate. If you answer yes, please complete the Waste Characterization Report Addendum found on page 15 of this guide.

Section 5
Michigan Act 451 Hazardous Waste Codes

| Waste Code | Waste Description | Waste Code | Waste Description |
|-------------------|--|-------------------|--|
| 001S | Aflatoxin | 030U | Chlorinated dibenzofurans (other than those listed in Table 202) |
| 002S | 2,3,7,8-Tetrachlorodibenzo-p-dioxin | 031U | Chlorinated dioxins (other than those listed in Table 202) |
| 003S | 1,2,3,7,8-Pentachlorodibenzo-p-dioxin | 032U | Chlorine gas |
| 004S | 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | 033U | 2-Chloroethanol |
| 005S | 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | 034U | 3-(Chloromethyl) pyridine hydrochloride |
| 006S | 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | 150U | p-chlorophenol |
| 007S | 2,3,7,8-Tetrachloridibenzo furan | 162U | 1-chloro-4-phenoxybenzene |
| 001K | Residues, including emission control sludges, from the production process and packaging of 4,4'-Methylenebis (2-chloroaniline) | 036U | 4-chloro-m-phenylenediamine |
| 002K | Wash acids generated after the effective date of these rules from the production of 3,3'-Dichlorobenzidine & still bottoms from the recovery of these acids, excluding wash acids that are recycled or any materials that are recycled or any materials that are reclaimed from the wash acids and used beneficially | 037U | 4-chloro-o-phenylenediamine |
| 001U | Actinomycin D | 038U | Chloroprene |
| 002U | Allyl chloride | 163U | 1-chloropropene |
| 003U | 2-aminoanthraquinone | 151U | 5-chloro-o-toluidene |
| 004U | Aminoazobenzene | 040U | Clonitralid |
| 005U | 0-aminoazotoluene | 041U | Cobalt (when in the form of particles 100 microns or less) |
| 006U | 4-aminobiphenyl | 042U | Coumaphos |
| 007U | 3-amino-9-ethyl carbazole | 043U | p-Cresidine |
| 157U | 3-amino-9-ethyl carbazole hydrochloride | 044U | Crotoxyphos |
| 008U | 1-amino-2-methyl anthraquinone | 046U | Cycloheximide |
| 009U | Anilazine | 164U | P,P' DDE |
| 158U | Aniline hydrochloride | | |
| 011U | o-Anisidine | 048U | 2,4-Diaminoanisoie sulfate |
| 012U | o-Anisidine hydrochloride | 049U | 4,4'-Diaminodiphenyl ether |
| 013U | Antimony (when in the form of particles 100 microns or less) | 050U | 2,4-Diaminotoluene |
| 014U | Antimycin A | 051U | Diazinon |
| 147U | Azinphos-ethyl | 052U | Dichlone |
| 148U | Azinphos-methyl | 054U | Dichlorvos |
| 159U | Azobenzene | 055U | Dichrotophos |
| 015U | Barban | 056U | Diethyl sulfate |
| 016U | Bendiocarb | 165U | N,N'Diethylthiourea |
| 017U | Benomyl | 057U | Dinocap |
| 020U | Bromoxynil | 058U | Dioxathion |
| 160U | 1,3-Butadiene | 059U | EPN |
| 161U | Butyl benzl phthalate | 166U | 1,2-Epoxybutane |
| 022U | Captafol | 061U | Ethion |
| 023U | Captan | 063U | Fensulfothion |
| 024U | Carbaryl | 064U | Fenthion |
| 025U | Carbofuran | 065U | Fluchloralin |
| 027U | Carbophenothion | 068U | Hexamethyl phosphoramidate |
| 028U | Chloramines | 070U | Hydroquinone |
| 152U | Chlorfenuinphos | 071U | N-(2-Hydroxyethyl) ethyleneimine |
| 029U | Chloropyrifos | 072U | Hypochlorite |

Section 5
Michigan Act 451 Hazardous Waste Codes

| Waste Code | Waste Description | Waste Code | Waste Description |
|-------------------|--|-------------------|--|
| 073U | Isonicotinic acid hydrazine | 114U | Phenesterin |
| 167U | Kanechlor C | 115U | Phenobarbitol |
| 074U | Ketene | 116U | Phenytoin |
| 075U | Lactonitril | 117U | Phenytoin sodium |
| 076U | Leptophos | 118U | Phosazetim |
| 077U | Lithium and compounds | 119U | Phosmet |
| 078U | Malachite green | 120U | Phosphamidon |
| 079U | Malathion | 121U | Piperonyl sulfoxide |
| 082U | 4,4'-Methylenebis(2-methylaniline) | 122U | Polybrominated biphenyls (PBB) |
| 083U | 4,4'-Methylenebis(n,N-dimethlaniline) | 124U | Propiolactone |
| 086U | 1-Methylnaphthalene | 127U | Propylthiouracil |
| 088U | Mevinphos | 128U | Rotenone |
| 089U | Mexacarbate | 129U | Semicarbazide |
| 090U | mirex | 170U | Semicarbazide hydrochloride |
| 092U | monocrotophos | 153U | Sodium fluoroacetate |
| 093U | Mustard gas | 131U | Styrene |
| 094U | Naled | 132U | Sulfallate |
| 095U | 1,5-Naphthalenediamine | 134U | TDE |
| 096U | Nickel (when in the form of particles 100 microns or less) | 135U | TEPP |
| 097U | Niridazole | 136U | Terbufos |
| 098U | Nithazide | 137U | Tetrachlorvinphos |
| 099U | 5-Nitroacenaphthene | 138U | 4,4'-Thiodianiline |
| 100U | Nitro-o-anisidine | 139U | o-Toluidine |
| 101U | 4-Nitrobiphenyl | 140U | Triaryl phosphate esters |
| 102U | Nitrofen | 154U | Bis(tri-n-butyl tin) oxide |
| 103U | N-(4-(5-nitro-2-furanyl)-2-thiazolyl)-acetamide | 171U | Tributyltin (and other salts and esters) |
| 104U | Nitrogen mustard | 172U | 1,2,3-Trichlorobenzene |
| 106U | p-Nitrosodiphenylamine | 173U | 1,2,4-Trichlorobenzene |
| 168U | N-nitrosomethylvinylamine | 141U | Trichlorfon |
| 108U | N-nitroso-N-phenylhydroxylamine, ammonium salt | 142U | Trifluralin |
| 169U | Octachlorostyrene | 143U | 2,4,5-Trimethylaniline |
| 110U | Oxydemeton-methyl | 174U | Urethane |
| 111U | Paraquat dichloride | 175U | Vinyl bromide |
| 112U | Peroxyacetic acid | 155U | Vinylidene chloride |
| 113U | Phenazopyridine hydrochloride | 146U | Ziram |

Section 6 Hazardous Wastes

Section 6 – Hazardous Wastes

- 6.1) Does this waste exceed Land Disposal Restriction levels? Yes No
 6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? Yes No
 6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) Yes No
 6.2) Is the waste an oxidizer (D001)? Yes No
 6.3) Does this waste contain reactive cyanide \geq 250 ppm (D003)? Yes No
 6.4) Does this waste contain reactive sulfide \geq 500 ppm (D003)? Yes No
 6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either “Below” or “Above” **MUST** be checked for each constituent.

Based On: **Generator Knowledge** **Analysis*** **MSDS***
 *Please attach a copy. Analysis or MSDS are required for EQFL Non-hazardous wastes.

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

- 6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? Yes No
 If yes, please list the constituents in Section 11.

6.1) Land Disposal Restrictions – For a complete list of Land Disposal Restrictions, please refer to 40 CFR Part 268.40.

6.2) Oxidizer – Please indicate whether this waste stream is an oxidizer (D001).

6.3 – 6.4) Cyanide and Sulfide – Please indicate whether this waste stream contains either compound in excess of the levels stated (D003).

6.5) TCLP Certification – Each constituent must be marked either below or above. The information may be based on either generator knowledge, analysis, or an MSDS. This section of the Waste Characterization Report is based on 40 CFR 261.24.

6.6) Underlying Hazardous Constituents (UHC’s) – For D001 – D043 Waste Codes, please identify whether or not your characteristic waste stream contains any UHC’s that will require treatment prior to land disposal. Please refer to pages 21 - 25 of Section 11 for a list of UHC’s.

Section 7 Non-Hazardous Wastes

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code: _____

- | | | | |
|--|-------------------------------|-----------------------------|--|
| 7.1) Is this a <u>Michigan non-hazardous</u> liquid industrial waste? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 7.2) Is this a <u>Universal</u> waste? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 7.3) Is this a <u>Recyclable Commodity</u> ? (e.g.: computer monitors, free mercury, etc.) | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 7.4) Is this waste a recoverable petroleum product? | <input type="checkbox"/> Yes* | <input type="checkbox"/> No | |
| 7.5) Is this waste used oil as defined by 40 CFR Part 279? | <input type="checkbox"/> Yes* | <input type="checkbox"/> No | |

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

7.1) Michigan Nonhazardous Liquids Industrial Wastes – For a complete list of Michigan Act 451 liquid industrial wastes, please see page 14 of this section.

7.2) Universal Wastes – For a list of Universal Wastes, please refer to page 14 of this section.

7.3) Recyclable Commodity – For a list of Recyclable Commodities, please refer to page 14 of this section.

7.4 – 7.5) Recoverable Petroleum Product or Used Oil – If you answer yes to either of these questions, please complete the EQ Waste Characterization Report Addendum found on page 15 of this section.

Section 8 TSCA Information

Section 8 – TSCA Information

- | | | | | | |
|---|-------------------------------|----------------------------------|-----------------------------------|-------------------------------------|--|
| 8.1) What is the concentration of PCBs in the waste? | <input type="checkbox"/> None | <input type="checkbox"/> 0-5 ppm | <input type="checkbox"/> 6-49 ppm | <input type="checkbox"/> 50-499 ppm | <input type="checkbox"/> 500+ ppm |
| 8.2) Does the waste contain PCB contamination from a source with a concentration \geq 50 ppm? | | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <i>If you answered "no" to 8.1 and 8.2, please skip to Section 9.</i> | | | | | |
| 8.3) Has this waste been processed into a non-liquid form? | | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| If yes, what was the concentration of PCBs prior to processing? | | | <input type="checkbox"/> N/A | <input type="checkbox"/> 0-499 ppm | <input type="checkbox"/> 500+ ppm |
| 8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? | | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? | | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8.6) 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)? | | | | <input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No |
-

8.1 – 8.2) PCB Concentration & Source – These two questions are designed to help us determine if the waste is regulated by TSCA. If you answer “no” to both of these questions, please continue to section 9. If you answer “yes” to either of these questions, please complete 8.3 – 8.6.

8.3 – 8.6) Source & Processing – These four questions relate to the source and any processing that may have occurred prior to disposal. Please answer all three to the best of your knowledge.

Section 7

**Michigan Nonhazardous Liquid Industrial Wastes
Universal Wastes & Recyclable Commodities**

Michigan Nonhazardous Liquid Industrial Wastes

| Waste Code | Waste Description |
|------------|---|
| 007L | Mixed Solvents |
| 014L | Pharmaceutical |
| 017L | Crankcase Oil |
| 019L | Coolants and Waste Soluble Oils |
| 021L | Other Oil (Describe in Item 11 or J) |
| 022L | Brine |
| 026L | PCB |
| 029L | Other Wastes (Describe in Item 11 or J) |
| 030L | Antifreeze |

** Please refer to the back of the Michigan Hazardous Waste Manifest for additional information on State regulated waste codes.

Common Universal Wastes

| Waste Stream | Specific Types |
|-----------------------|------------------------------------|
| Light Bulbs | Fluorescent 4' and compacts |
| | Fluorescent 5' and greater |
| | Fluorescent Tubes |
| | U Shaped and Circular |
| | HID |
| | Incandescent |
| Batteries | Nickel Cadmium |
| | Lead Acid AAA-D Dry Only |
| | Polaroid |
| | Mercury Batteries |
| | Lithium |
| | Silver Oxide |
| | Carbon – Aire |
| | Automotive Lead Acid – Non Leaking |
| Lead Acid – Wet Large | |
| Mercury Wastes | Motorcycle – Lead Acid Wet |
| | Switches |
| | Phone Relays |
| | Ignition Tubes |

Common Recyclable Commodities

| Waste Stream | Specific Types |
|-------------------|--------------------------------|
| Batteries | Alkaline AAA through D |
| | Alkaline Lantern |
| | Automotive Lead Acid – Leaking |
| Monitors | |
| Elemental Mercury | |
| Ballasts | PCB Ballasts |
| | Non-PCB Ballasts |



WASTE CHARACTERIZATION REPORT ADDENDUM

For Recoverable Petroleum Products, Wastewaters and Used Oil Waste Streams

Please complete this form and submit with the Waste Characterization Report and sample. Analysis must be conducted in conformance with U.S. EPA SW-846 or 40 CFR 136.

Generator Name: _____ Waste Stream Description: _____

Evaluation based on: Analysis (Please attach for review) Generator Knowledge

Wastewater and Recoverable Petroleum Products

| Constituent | Mg/l | Actual Concentration | Constituent | Mg/l | Actual Concentration |
|------------------------------------|--|----------------------|----------------------------|-------------------------------------|--|
| Bis (2-ethylhexyl) phthalate | <input type="checkbox"/> <0.158 | _____ | Total Antimony | <input type="checkbox"/> <0.141 | _____ |
| Carbazole | <input type="checkbox"/> <0.233 | _____ | Total Arsenic | <input type="checkbox"/> <0.104 | _____ |
| o-Cresol | <input type="checkbox"/> <0.561 | _____ | Total Cadmium | <input type="checkbox"/> <0.0962 | _____ |
| p-Cresol | <input type="checkbox"/> <0.205 | _____ | Total Chromium | <input type="checkbox"/> <0.487 | _____ |
| n-Decane | <input type="checkbox"/> <3.31 | _____ | Total Cobalt | <input type="checkbox"/> <0.124 | _____ |
| Fluoranthene | <input type="checkbox"/> <0.393 | _____ | Total Copper | <input type="checkbox"/> <0.301 | _____ |
| n-Octadecane | <input type="checkbox"/> <0.925 | _____ | Total Cyanide | <input type="checkbox"/> <2.0 | _____ |
| 2,4,6-Trichlorophenol | <input type="checkbox"/> <0.106 | _____ | Total Iron | <input type="checkbox"/> <1,000.0 | _____ |
| Phosphorus | <input type="checkbox"/> <500.0 | _____ | Total Lead | <input type="checkbox"/> <0.172 | _____ |
| Total Chlorinated Phenolics | <input type="checkbox"/> <0.5 | _____ | Total Mercury | <input type="checkbox"/> <0.000739 | _____ |
| 2-Chlorophenol | | _____ | Total Nickel | <input type="checkbox"/> <1.45 | _____ |
| 2,4-Dichlorophenol | | _____ | Total Silver | <input type="checkbox"/> <0.0351 | _____ |
| 2,4,6-Trichlorophenol | | _____ | Total Tin | <input type="checkbox"/> <0.12 | _____ |
| 4-Chloro-3-Methyl Phenol | | _____ | Total Titanium | <input type="checkbox"/> <0.0618 | _____ |
| Pentachlorophenol | | _____ | Total Vanadium | <input type="checkbox"/> <0.0662 | _____ |
| Total Organic Carbon | N/A | _____ | Total Zinc | <input type="checkbox"/> <0.641 | _____ |
| Total PCB's | <input type="checkbox"/> <0.00006 (ND) | _____ | | | |
| Acidity/Alkalinity | <input type="checkbox"/> >5 & < 11.5 | _____ | Priority Pollutants | | |
| | | | Volatiles (8240) | <input type="checkbox"/> Non-Detect | <input type="checkbox"/> Attached Analysis |
| FOG (Fats, Oils & Greases) | <input type="checkbox"/> <2,000.0 | _____ | Semi-Volatiles (8270) | <input type="checkbox"/> Non-Detect | <input type="checkbox"/> Attached Analysis |
| TSS (Total Suspended Solids) | <input type="checkbox"/> <10,000.0 | _____ | Pesticides (8080) | <input type="checkbox"/> Non-Detect | <input type="checkbox"/> Attached Analysis |
| BOD (Biological Oxygen Demand) | <input type="checkbox"/> <10,000.0 | _____ | Herbicides (8150) | <input type="checkbox"/> Non-Detect | <input type="checkbox"/> Attached Analysis |

Used Oil

- 1) Used oil is regulated under 40 CFR 279 if it is (1) a used oil, (2) has been refined from crude oil, and (3) as a result of use is contaminated by physical (e.g., solids) or chemical impurities (e.g., metals). Is this waste a used oil? Yes No
- 2) Has the waste oil been mixed with listed and/or characteristic hazardous waste? Yes* No
 *If yes, what is the hazardous waste code(s) with which it has been mixed? _____
 *If yes, the waste is regulated as a hazardous waste rather than a used oil (40 CFR 279.10(b)(1)).
- 3) Is the total halogen content of the used oil waste stream greater than 1,000 ppm? Yes* No
 *If yes, what is the source of the halogen content?
 This is a metalworking oil/fluid containing chlorinated paraffins.
 This is used oil contaminated with chlorofluorocarbons from refrigeration units.
 This oil contains halogenated solvents. List specific solvents: _____

 Other, describe: _____

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 Standard Terms and Conditions associated with the original Waste Characterization Report. (The Standard Terms and Conditions are incorporated into the Waste Characterization Report as Page 4.)

Generator Signature: _____ Company: _____

Printed Name: _____ Date: _____

The generator's signature must appear on the EQ Waste Characterization Report Addendum Form. 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 on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Section 9 Clean Air Act Information

Section 9 – Clean Air Act Information

| NESHAP SIC* | | |
|-------------|------|------|
| 2812 | 2836 | 2875 |
| 2813 | 2841 | 2879 |
| 2816 | 2842 | 2891 |
| 2819 | 2843 | 2892 |
| 2821 | 2844 | 2893 |
| 2822 | 2851 | 2895 |
| 2823 | 2861 | 2899 |
| 2824 | 2865 | 2911 |
| 2833 | 2869 | 3312 |
| 2834 | 2873 | 4953 |
| 2835 | 2874 | 9511 |

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? Yes No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP’s or Volatile Organic Compounds – VOC’s?)
For a complete list of VOHAP’s, please see Section 11 of the EQ Resource Guide

9.2) Is the site, or waste, subject to any other MACT or NESHAP? Yes, please specify: _____ No

9.3) Does this waste stream contain Benzene? Yes No

If you answered “no” to 9.3, please skip to Section 10.

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

9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? Yes No

For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.

If you answered “no” to question 9.4 and 9.5, please skip to Section 10.

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

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

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

9.9) 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.)

**For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.*

9.1) Volatile Organic Hazardous Air Pollutants (VOHAP’s) and Volatile Organic Compounds (VOC’s) – Waste streams with VOHAP concentrations ≥ 500 ppm or hazardous wastes with VOC concentrations ≥ 500 ppm are subject to additional regulatory requirements when treated. Please refer to page 17 of this section for a list of VOHAP and VOC compounds.

9.2 – 9.8) Benzene NESHAP – If your facilities SIC (Standard Industrial Code) is listed in the table in section 9, your waste may be regulated under 40 CFR Part 61, Subpart FF of the National Emission Standards for Hazardous Air Pollutants. Please complete this section as instructed. Please use the worksheet on page 18 to help calculate the Total Annual Benzene (TAB) for your facility. For a list of NAICS codes, please see pages 18 – 19 in this section.

Section 10 Fuel Blending Information

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? Yes* No

*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____

10.2) Is this waste intended for reclamation? Yes No (5-Gallon Sample required for all reclaim waste streams)

Please complete this section for EQRR only.

10.1) Fuel Blending and Waste Composition – Please provide the estimated concentrations of each.

10.2) Reclamation – If this waste stream is for reclamation, please contact your Resource Coordinator to arrange delivery of the sample.

Facility Total Annual Benzene (TAB) Calculation Worksheet

| Waste Stream | Enter Annual Benzene Concentration (ppm) | Divided by 1,000,000 (ppm/whole) | Enter Total Average Amount of Benzene (Divide Col.1 by Col. 2) | Enter Total Pounds of Waste Produced Per Year (lbs/yr) | Enter Total Amount Average Pounds of Benzene (lbs/yr) (Multiply Col. 3 by Col. 4) | Multiply by the Conversion Factor (0.000454 mg/lb) | Enter the Total Annual Mass of Benzene (mg/yr) (Multiply Col. 5 by Col. 6) |
|--------------|--|----------------------------------|--|--|---|--|--|
| Example | 42 ppm | / 1,000,000 | 0.000042 | 20,000 lbs/yr | 0.84 | X 0.000454 mg/lb | 0.00038 mg/yr |
| | | / 1,000,000 | | | | X 0.000454 mg/lb | |
| | | / 1,000,000 | | | | X 0.000454 mg/lb | |
| | | / 1,000,000 | | | | X 0.000454 mg/lb | |
| | | / 1,000,000 | | | | X 0.000454 mg/lb | |
| | | / 1,000,000 | | | | X 0.000454 mg/lb | |
| | | / 1,000,000 | | | | X 0.000454 mg/lb | |
| | | / 1,000,000 | | | | X 0.000454 mg/lb | |
| | | / 1,000,000 | | | | X 0.000454 mg/lb | |
| | | | | | | Total Sum of Column 7: | |

If more than seven (7) waste streams are present, please make and use additional copies of this worksheet. The Total Annual Benzene (TAB) for your facility is the sum of Column 7. Please report this quantity in Question 7.5 in Section 7 of the EQ Waste Characterization Report.

Section 9
NAICS/SIC Conversion Table

| 1987 SIC | SIC Description | | 1997 NAICS | NAICS Description |
|-----------------|--|--|-------------------|--|
| 2812 | Alkalies and Chlorine | | 325181 | Alkalies and Chlorine Manufacturing |
| 2813 | Industrial Gases | | 32512 | Industrial Gas Manufacturing |
| 2816 | Inorganic Pigments | Except Bone and Lamp Black | 325131 | Inorganic Dye and Pigment Manufacturing |
| | | Bone and Lamp Black | 325182 | Carbon Black Manufacturing |
| 2819 | Industrial Inorganic Chemicals, NEC | Recovering Sulfur from Natural Gas | 211112 | Natural Gas Liquid Extraction |
| | | Activated Carbon and Charcoal | 325998 | All Other Miscellaneous Chemical Product and Preparation Manufacturing |
| | | Alumina | 331311 | Alumina Refining |
| | | Inorganic Dyes | 325131 | Inorganic Dye and Pigment Manufacturing |
| | | Other | 325188 | All Other Basic Inorganic Chemical Manufacturing |
| 2821 | Plastics material and Synthetic Resins, and Nonvulcanizable Elastomers | | 325211 | Plastics Material and Resin Manufacturing |
| 2822 | Synthetic Rubber | | 325212 | Synthetic Rubber Manufacturing |
| 2823 | Cellulosic Manmade Fibers | | 325221 | Cellulosic Organic Fiber Manufacturing |
| 2824 | Manmade Organic Fibers, Except Cellulosic | | 325222 | Noncellulosic Organic Fiber Manufacturing |
| 2833 | Medicinal Chemicals and Botanical Products | | 325411 | Medicinal and Botanical Manufacturing |
| 2834 | Pharmaceutical Preparations | | 325412 | Pharmaceutical Preparation Manufacturing |
| 2835 | In Vitro and In Vivo Diagnostic Substances | Except in Vitro Diagnostic | 325412 | Pharmaceutical Preparation Manufacturing |
| | | In Vitro Diagnostic Substances | 325413 | In-Vitro Diagnostic Substance Manufacturing |
| 28365 | Biological Products, Except Diagnostic Substances | | 325414 | Biological Product (except Diagnostic) Manufacturing |
| 2841 | Soaps and Other Detergents, Except Specialty Cleaners | | 325611 | Soap and Other Detergent Manufacturing |
| 2842 | Specialty Cleaning, Polishing and Sanitary Preparations | | 325612 | Polish and Other Sanitation Good Manufacturing |
| 2843 | Surface Active Agents, Finishing Agents, Sulfonated Oils, and Assistants | | 325613 | Surface Active Agent Manufacturing |
| 2844 | Perfumes, Cosmetics and Other Toilet Preparations | Toilet Preparations, Except Toothpaste | 32562 | Toilet Preparation Manufacturing |
| | | Toothpaste | 325611 | Soap and Other Detergent Manufacturing |
| 2851 | Paints, Varnishes, Lacquers, Enamels and Allied Products | | 32551 | Paint and Coating Manufacturing |
| 2861 | Gum and Wood Chemicals | | 325191 | Gum and Wood Chemicals |
| 2865 | Cyclic Organic Crudes and Intermediates, and Organic Dyes and Pigments | Aromatics | 32511 | Petrochemical Manufacturing |
| | | Organic Dyes and Pigments | 325132 | Synthetic Organic Dye and Pigment Manufacturing |
| | | Other | 325192 | Cyclic Crude and Intermediate Manufacturing |

Section 9
NAICS/SIC Conversion Table

| 1987 SIC | SIC Description | | 1997 NAICS | NAICS Description |
|-----------------|---|---|-------------------|--|
| 2869 | Industrial Organic Chemicals, NEC | Aliphatics | 32511 | Petrochemical Manufacturing |
| | | Carbon Bisulfide | 325188 | All Other Basic Inorganic Chemical Manufacturing |
| | | Ethyl Alcohol | 325193 | Ethyl Alcohol Manufacturing |
| | | Fluorocarbon Gases | 32512 | Industrial Gas Manufacturing |
| | | Other | 325199 | All Other Basic Organic Chemical Manufacturing |
| 2873 | Nitrogenous Fertilizers | | 325311 | Nitrogenous Fertilizer Manufacturing |
| 2874 | Phosphatic Fertilizers | | 325312 | Phosphatic Fertilizer Manufacturing |
| 2875 | Fertilizers, Mixing Only | | 325314 | Fertilizer (Mixing Only) Manufacturing |
| 2879 | Pesticides and Agricultural Chemicals, NEC | | 32532 | Pesticide and Other Agricultural Chemical Manufacturing |
| 2891 | Adhesives and Sealants | | 32552 | Adhesive Manufacturing |
| 2892 | Explosives | | 32592 | Explosives Manufacturing |
| 2893 | Printing Ink | | 32591 | Printing Ink Manufacturing |
| 2895 | Carbon Black | | 325182 | Carbon Black Manufacturing |
| 2899 | Chemicals and Chemical Preparations | Frit | 32551 | Paint and Coating Manufacturing |
| | | Table Salt | 311942 | Spice and Extract Manufacturing |
| | | Fatty Acids | 325199 | All Other Basic Organic Chemical Manufacturing |
| | | Other | 325998 | All Other Miscellaneous Chemical Product and Preparation Manufacturing |
| 2911 | Petroleum Refining | | 32411 | Petroleum Refineries |
| 3312 | Steel Works, Blast Furnaces (Including Coke Ovens), and Rolling Mills | Coke Ovens, not integrated with steel mills | 324199 | All Other Petroleum and Coal Products Manufacturing |
| | | Hot Rolling Purchased Steel | 331221 | Rolled Steel Shape Manufacturing |
| | | Except Coke Ovens not integrated with steel mills and hot rolling purchased steel | 331111 | Iron and Steel Mills |
| 4953 | Refuse Systems | Material Recovery Facilities | 56292 | Material Recovery Facilities |
| | | Hazardous Waste Treatment and Disposal | 562211 | Hazardous Waste Treatment and Disposal |
| | | Solid Waste Landfills | 562212 | Solid Waste Landfill |
| | | Solid Waste Combustors and Incinerators | 562213 | Solid Waste Combustors and Incinerators |
| | | Other Nonhazardous Waste Treatment and Disposal | 562219 | Other Nonhazardous Waste Treatment and Disposal |
| 9511 | Air and Water Resource and Solid Waste Management | | 92411 | Administration of Air and Water Resource and Solid Waste Management Programs |

Section 11 Constituent Information

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: *Underlying Hazardous Constituents (UHC's)*, *Volatile Organic Hazardous Air Pollutants (VOHAP's)*, *Volatile Organic Compounds (VOC's)* and *Toxic Release Inventory Constituents (TRI)*

| Constituent | Concentration | UHC? | | Constituent | Concentration | UHC? | |
|-------------|---------------|------------------------------|-----------------------------|-------------|---------------|------------------------------|-----------------------------|
| _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No | _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No | _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No | _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No | _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No | _____ | _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Constituent Table – Several sections of the Waste Characterization Report request constituent information, this section is where the information should be provided. To assist you in filling out this section, the applicable constituent lists and descriptions can be found on the following pages:

Underlying Hazardous Constituents – Pages 21 - 25

Volatile Organic Hazardous Air Pollutants – Pages 26 - 27

Toxic Release Inventory Constituents – Due to the length of the list, please refer to 40 CFR Part 372.65.

Any other regulated constituents in your waste stream should also be included in this section.

Section 12 Certification

Section 12 – 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.

Certification – The generator signature is required to appear on the Waste Characterization Report, copies and faxes are acceptable. If the generator has authorized a third party to sign on their behalf, a written notice (on generator letterhead) must accompany the Waste Characterization Report when submitted for approval.

Section 11
Underlying Hazardous Constituents (UHC)
& Land Disposal Restriction Constituents (LDR)

| Ref. No. | Hazardous Constituent | CAS No. | NWW mg/kg | WW mg/kg | Concentration |
|----------|---|------------|-----------|----------|---------------|
| 1 | Acenaphthene | 83-32-9 | 3.4 | 0.059 | |
| 2 | Acenaphthylene | 208-96-8 | 3.4 | 0.059 | |
| 3 | Acetone | 67-64-1 | 160 | 0.28 | |
| 4 | Acetonitrile | 75-05-8 | 38 | 5.6 | |
| 5 | Acetophenone | 96-86-2 | 9.7 | 0.010 | |
| 6 | 2-Acetylaminofluorene | 53-96-3 | 140 | 0.059 | |
| 7 | Acrolein | 107-02-8 | NA | 0.29 | |
| 8 | Acrylonitrile | 107-13-1 | 84 | 0.24 | |
| 9 | Acrylamide | 79-06-1 | 23 | 19 | |
| 10 | Aldrin | 309-00-2 | 0.066 | 0.021 | |
| 11 | 4-Aminobiphenyl | 92-67-1 | NA | 0.13 | |
| 12 | Aniline | 62-53-3 | 14 | 0.81 | |
| 13 | Anthracene | 120-12-7 | 3.4 | 0.059 | |
| 14 | Aramite | 140-57-8 | NA | 0.36 | |
| 15 | alpha-BHC | 319-84-6 | 0.066 | 0.00014 | |
| 16 | beta-BHC | 319-85-7 | 0.066 | 0.00014 | |
| 17 | delta-BHC | 319-86-8 | 0.066 | 0.023 | |
| 18 | gamma-BHC (Lindane) | 58-89-9 | 0.066 | 0.0017 | |
| 19 | Benz(a)anthracene | 56-55-3 | 3.4 | 0.059 | |
| 20 | Benzal chloride | 98-87-3 | 6 | 0.055 | |
| 21 | Benzene | 71-43-2 | 10 | 0.14 | |
| 22 | Benzo(a)pyrene | 50-32-8 | 3.4 | 0.061 | |
| 23 | Benzo(b)fluoranthene | 205-99-2 | 6.8 | 0.11 | |
| 24 | Benzo(k)fluoranthene | 207-08-9 | 6.8 | 0.11 | |
| 25 | Benzo(g,h,i)perylene | 191-24-2 | 1.8 | 0.0055 | |
| 26 | bis(2-Chloroethoxy)methane | 111-91-1 | 7.2 | 0.036 | |
| 27 | bis(2-Chloroethyl)ether | 111-44-4 | 6 | 0.033 | |
| 28 | bis(2-Chloroisopropyl) ether | 39638-32-9 | 7.2 | 0.055 | |
| 29 | bis(2-Ethylhexyl) phthalate | 117-81-7 | 28 | 0.28 | |
| 30 | Bromodichloromethane | 75-27-4 | 15 | 0.35 | |
| 31 | Bromomethane (Methyl bromide) | 74-83-9 | 15 | 0.11 | |
| 32 | 4-Bromophenyl phenyl ether | 101-55-3 | 15 | 0.055 | |
| 33 | n-Butyl alcohol | 71-36-3 | 2.6 | 5.6 | |
| 34 | Butyl benzyl phthalate | 85-68-7 | 28 | 0.017 | |
| 35 | 2-sec-Butyl-4,6-dinitrophenol (Dinoseb) | 88-85-7 | 2.5 | 0.066 | |
| 36 | Carbon disulfide | 75-15-0 | 4.8* | 3.8 | |
| 37 | Carbon tetrachloride | 56-23-5 | 6 | 0.057 | |
| 38 | Chlordane (alpha and gamma isomers) | 57-74-9 | 0.26 | 0.0033 | |
| 39 | p-Chloroaniline | 106-47-8 | 16 | 0.46 | |
| 40 | Chlorobenzene | 108-90-7 | 6 | 0.057 | |
| 41 | Chlorobenzilate | 510-15-6 | NA | 0.10 | |
| 42 | 2-Chloro-1, 3-butadiene (Chloroprene) | 126-99-8 | 0.28 | 0.057 | |
| 43 | Chlorodibromomethane | 124-48-1 | 15 | 0.057 | |
| 44 | Chloroethane | 75-00-3 | 6 | 0.27 | |
| 45 | Chloroform | 67-66-3 | 6 | 0.046 | |
| 46 | p-Chloro-m-cresol | 59-50-7 | 14 | 0.018 | |
| 47 | 2-Chloroethyl vinyl ether | 110-75-8 | NA | 0.062 | |
| 48 | Chloromethane (Methyl chloride) | 74-87-3 | 30 | 0.19 | |
| 49 | 2-Chloronaphthalene | 91-58-7 | 5.6 | 0.055 | |
| 50 | 2-Chlorophenol | 95-57-8 | 5.7 | 0.044 | |
| 51 | 3-Chloropropylene (Allyl Chloride) | 107-05-1 | 30 | 0.036 | |
| 52 | Chrysene | 218-01-9 | 3.4 | 0.059 | |
| 53 | o-Cresol (2-Methyl phenol) | 95-48-7 | 5.6 | 0.11 | |
| 54 | m-Cresol (3-Methyl phenol) | 108-39-4 | 5.6 | 0.77 | |

Section 11
Underlying Hazardous Constituents (UHC)
& Land Disposal Restriction Constituents (LDR)

| Ref. No. | Hazardous Constituent | CAS No. | NWW mg/kg | WW mg/kg | Concentration |
|----------|---|------------|-----------|----------|---------------|
| 55 | p-Cresol (4-Methyl phenol) | 106-44-5 | 5.6 | 0.77 | |
| 56 | Cyclohexanone | 108-94-1 | 0.75* | 0.36 | |
| 57 | o,p`-DDD | 53-19-0 | 0.087 | 0.023 | |
| 58 | p,p`-DDD | 72-54-8 | 0.087 | 0.023 | |
| 59 | o,p`-DDE | 3424-82-6 | 0.087 | 0.031 | |
| 60 | p,p`-DDE | 72-55-9 | 0.087 | 0.031 | |
| 61 | o,p`-DDT | 789-02-6 | 0.087 | 0.0039 | |
| 62 | p,p`-DDT | 50-29-3 | 0.087 | 0.0039 | |
| 63 | Dibenz(a,h)anthracene | 53-70-3 | 8.2 | 0.055 | |
| 64 | Dibenz(a,e)pyrene | 192-65-4 | NA | 0.061 | |
| 65 | 1,2-Dibromo-3-chloropropane | 96-12-8 | 15 | 0.11 | |
| 66 | 1,2-Dibromoethane (Ethylene dibromide) | 106-93-4 | 15 | 0.028 | |
| 67 | Dibromomethane | 74-95-3 | 15 | 0.11 | |
| 68 | m-Dichlorobenzene (1,3-Dichlorobenzene) | 541-73-1 | 6 | 0.036 | |
| 69 | o-Dichlorobenzene (1,2-Dichlorobenzene) | 95-50-1 | 6 | 0.088 | |
| 70 | p-Dichlorobenzene (1,4-Dichlorobenzene) | 106-46-7 | 6 | 0.090 | |
| 71 | Dichlorodifluoromethane | 75-71-8 | 7.2 | 0.23 | |
| 72 | 1,1-Dichloroethane | 75-34-3 | 6 | 0.059 | |
| 73 | 1,2-Dichloroethane | 107-06-2 | 6 | 0.21 | |
| 74 | 1,1-Dichloroethylene | 75-35-4 | 6 | 0.025 | |
| 75 | trans-1,2-Dichloroethylene | 156-60-5 | 30 | 0.054 | |
| 76 | 2,4-Dichlorophenol | 120-83-2 | 14 | 0.044 | |
| 77 | 2,6-Dichlorophenol | 87-65-0 | 14 | 0.044 | |
| 78 | 2,4-Dichlorophenoxyacetic acid (2,4-D) | 94-75-7 | 10 | 0.72 | |
| 79 | 1,2-Dichloropropane | 78-87-5 | 18 | 0.85 | |
| 80 | cis-1,3-Dichloropropylene | 10061-01-5 | 18 | 0.036 | |
| 81 | trans-1,3-Dichloropropylene | 10061-02-6 | 18 | 0.036 | |
| 82 | Dieldrin | 60-57-1 | 0.13 | 0.017 | |
| 83 | Diethyl phthalate | 84-66-2 | 28 | 0.2 | |
| 84 | p-Dimethylaminoazobenzene | 60-11-7 | NA | 0.13 | |
| 85 | 2,4-Dimethyl phenol | 105-67-9 | 14 | 0.036 | |
| 86 | Dimethyl phthalate | 131-11-3 | 28 | 0.047 | |
| 87 | Di-n-butyl phthalate | 84-74-2 | 28 | 0.057 | |
| 88 | 1,4-Dinitrobenzene | 100-25-4 | 2.3 | 0.32 | |
| 89 | 4,6-Dinitro-o-cresol | 534-52-1 | 160 | 0.28 | |
| 90 | 2,4-Dinitrophenol | 51-28-5 | 160 | 0.12 | |
| 91 | 2,4-Dinitrotoluene | 121-14-2 | 140 | 0.32 | |
| 92 | 2,6-Dinitrotoluene | 606-20-2 | 28 | 0.55 | |
| 93 | Di-n-octyl phthalate | 117-84-0 | 28 | 0.017 | |
| 94 | Di-n-propylnitrosamine | 621-64-7 | 14 | 0.40 | |
| 95 | 1,4-Dioxane | 123-91-1 | 170 | 12 | |
| 96 | Diphenylamine | 122-39-4 | 13 | 0.92 | |
| 97 | Diphenylnitrosamine | 86-30-6 | 13 | 0.92 | |
| 98 | 1,2-Diphenylhydrazine | 122-66-7 | NA | 0.087 | |
| 99 | Disulfoton | 298-04-3 | 6.2 | 0.017 | |
| 100 | Endosulfan I | 959-98-9 | 0.066 | 0.023 | |
| 101 | Endosulfan II | 33213-65-9 | 0.13 | 0.029 | |
| 102 | Endosulfan sulfate | 1031-07-8 | 0.13 | 0.029 | |
| 103 | Endrin | 72-20-8 | 0.13 | 0.0028 | |
| 104 | Endrin aldehyde | 7421-93-4 | 0.13 | 0.025 | |
| 105 | 2-Ethoxyethanol (F005)+ | | INCIN | INCIN | |
| 106 | Ethyl acetate | 141-78-6 | 33 | 0.34 | |
| 107 | Ethyl benzene | 100-41-4 | 10 | 0.057 | |
| 108 | Ethyl ether | 60-29-7 | 160 | 0.12 | |
| 109 | Ethyl methacrylate | 97-63-2 | 160 | 0.14 | |
| 110 | Ethylene oxide | 75-21-8 | NA | 0.12 | |

Section 11
Underlying Hazardous Constituents (UHC)
& Land Disposal Restriction Constituents (LDR)

| Ref. No. | Hazardous Constituent | CAS No. | NWW mg/kg | WW mg/kg | Concentration |
|----------|---|------------|-----------|----------|---------------|
| 111 | Famphur | 52-85-7 | 15 | 0.017 | |
| 112 | Fluoranthene | 206-44-0 | 3.4 | 0.068 | |
| 113 | Fluorene | 86-73-7 | 3.4 | 0.059 | |
| 114 | Heptachlor | 76-44-8 | 0.066 | 0.0012 | |
| 115 | Heptachlor epoxide | 1024-57-3 | 0.066 | 0.016 | |
| 116 | Hexachlorobenzene | 118-74-1 | 10 | 0.055 | |
| 117 | Hexachlorobutadiene | 87-68-3 | 5.6 | 0.055 | |
| 118 | Hexachlorocyclopentadiene | 77-47-4 | 2.4 | 0.057 | |
| 119 | HxCDDs (All Hexachlorodibenzo-p-dioxins) | NA | 0.001 | 0.000063 | |
| 120 | HxCDFs (All Hexachlorodibenzofurans) | NA | 0.001 | 0.000063 | |
| 121 | Hexachloroethane | 67-72-1 | 30 | 0.055 | |
| 122 | Hexachloropropylene | 1888-71-7 | 30 | 0.035 | |
| 123 | Indeno (1,2,3-c,d) pyrene | 193-39-5 | 3.4 | 0.0055 | |
| 124 | Iodomethane | 74-88-4 | 65 | 0.19 | |
| 125 | Isobutyl alcohol (Isobutanol) | 78-83-1 | 170 | 5.6 | |
| 126 | Isodrin | 465-73-6 | 0.066 | 0.021 | |
| 127 | Isosafrole | 120-58-1 | 2.6 | 0.081 | |
| 128 | Kepone | 143-50-0 | 0.13 | 0.0011 | |
| 129 | Methacrylonitrile | 126-98-7 | 84 | 0.24 | |
| 130 | Methanol | 67-56-1 | 0.75* | 5.6 | |
| 131 | Methapyrilene | 91-80-5 | 1.5 | 0.081 | |
| 132 | Methoxychlor | 72-43-5 | 0.18 | 0.25 | |
| 133 | 3-Methylchloroanthrene | 56-49-5 | 15 | 0.0055 | |
| 134 | 4,4-Methylene bis (2-chloroaniline) | 101-14-4 | 30 | 0.5 | |
| 135 | Methylene chloride | 75-09-2 | 30 | 0.089 | |
| 136 | Methyl ethyl ketone | 78-93-3 | 36 | 0.28 | |
| 137 | Methyl isobutyl ketone | 108-10-1 | 33 | 0.14 | |
| 138 | Methyl methacrylate | 80-62-6 | 160 | 0.14 | |
| 139 | Methyl methansulfonate | 66-27-3 | NA | 0.018 | |
| 140 | Methyl parathion | 298-00-0 | 4.6 | 0.014 | |
| 141 | Naphthalene | 91-20-3 | 5.6 | 0.059 | |
| 142 | 2-Naphthylamine | 91-59-8 | NA | 0.52 | |
| 143 | o-Nitroaniline | 88-74-4 | 14 | 0.27 | |
| 144 | p-Nitroaniline | 100-01-6 | 28 | 0.028 | |
| 145 | Nitrobenzene | 98-95-3 | 14 | 0.068 | |
| 146 | 5-Nitro-o-toluidine | 99-55-8 | 28 | 0.32 | |
| 147 | o-Nitrophenol | 88-75-5 | 13 | 0.028 | |
| 148 | p-Nitrophenol | 100-02-7 | 29 | 0.12 | |
| 149 | 2-Nitropropane (F005)+ | | INCIN | INCIN | |
| 150 | N-Nitrosodiethylamine | 55-18-5 | 28 | 0.4 | |
| 156 | N-Nitrosopyrrolidine | 930-55-2 | 35 | 0.013 | |
| 157 | Parathion | 56-38-2 | 4.6 | 0.014 | |
| 158 | Total PCBs | 1336-36-3 | 10 | 0.1 | |
| 159 | Pentachlorobenzene | 608-93-5 | 10 | 0.055 | |
| 160 | PeCDDs (All Pentachlorodibenzo-p-dioxins) | NA | 0.001 | 0.000063 | |
| 161 | PeCDFs (All Pentachlorodibenzofurans) | NA | 0.001 | 0.000035 | |
| 162 | Pentachloroethane | 76-01-7 | 6 | 0.055 | |
| 163 | Pentachloronitrobenzene | 82-68-8 | 4.8 | 0.055 | |
| 164 | Pentachlorophenol | 87-86-5 | 7.4 | 0.089 | |
| 165 | Phenacetin | 62-44-2 | 16 | 0.081 | |
| 166 | Phenanthrene | 85-01-8 | 5.6 | 0.059 | |
| 167 | Phenol | 108-95-2 | 6.2 | 0.039 | |
| 168 | Phorate | 298-02-2 | 4.6 | 0.021 | |
| 169 | Phthalic acid | 100-21-0 | 28 | 0.055 | |
| 170 | Phthalic anhydride | 85-44-9 | 28 | 0.055 | |
| 171 | Pronamide | 23950-58-5 | 1.5 | 0.093 | |

Section 11
Underlying Hazardous Constituents (UHC)
& Land Disposal Restriction Constituents (LDR)

| Ref. No. | Hazardous Constituent | CAS No. | NWW mg/kg | WW mg/kg | Concentration |
|----------|---|------------|-----------|----------|---------------|
| 172 | Propanenitrile (Ethyl cyanide) | 107-12-0 | 360 | 0.24 | |
| 173 | Pyrene | 129-00-0 | 8.2 | 0.067 | |
| 174 | Pyridine | 110-86-1 | 16 | 0.014 | |
| 175 | Safrole | 94-59-7 | 22 | 0.081 | |
| 176 | Silvex (2,4,5-TP) | 93-72-1 | 7.9 | 0.72 | |
| 177 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 14 | 0.055 | |
| 178 | TCDDs (All Tetachlorodibenzo-p-dioxins) | NA | 0.001 | 0.000063 | |
| 179 | TCDFs (All Tetrachlorodibenzofurans) | NA | 0.001 | 0.000063 | |
| 180 | 1,1,1,2-Tetrachloroethane | 630-20-6 | 6 | 0.057 | |
| 181 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 6 | 0.057 | |
| 182 | Tetrachloroethylene | 127-18-4 | 6 | 0.056 | |
| 183 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | 7.4 | 0.03 | |
| 184 | Toluene | 108-88-3 | 10 | 0.080 | |
| 185 | Toxaphene | 8001-35-2 | 2.6 | 0.0095 | |
| 186 | Tribromomethane (Bromoform) | 75-25-2 | 15 | 0.63 | |
| 187 | 1,2,4-Trichlorobenzene | 120-82-1 | 19 | 0.055 | |
| 188 | 1,1,1-Trichloroethane | 71-55-6 | 6 | 0.054 | |
| 189 | 1,1,2-Trichloroethane | 79-00-5 | 6 | 0.054 | |
| 190 | Trichloroethylene | 79-01-6 | 6 | 0.054 | |
| 191 | Trichloromonofluoromethane | 75-69-4 | 30 | 0.02 | |
| 192 | 2,4,5-Trichlorophenol | 95-95-4 | 7.4 | 0.18 | |
| 193 | 2,4,6-Trichlorophenol | 88-06-2 | 7.4 | 0.035 | |
| 194 | 2,4,5-Trichlorophenoxyacetic acid/2,4,5-T | 93-76-5 | 7.9 | 0.72 | |
| 195 | 1,2,3-Trichloropropane | 96-18-4 | 30 | 0.85 | |
| 196 | 1,1,2-Trichloro- 2,2,2-trifluoroethane | 76-13-1 | 30 | 0.057 | |
| 197 | tris-(2,3-Dibromopropyl) phosphate | 126-72-7 | 0.1 | 0.011 | |
| 198 | Vinyl chloride | 75-01-4 | 6 | 0.27 | |
| 199 | Xylenes | 1330-20-7 | 30 | 0.32 | |
| 200 | Antimony | 7440-36-0 | 1.15*,‡ | 1.9 | |
| 201 | Arsenic | 7440-38-2 | 5.0* | 1.4 | |
| 202 | Barium | 7440-39-3 | 21*,‡ | 1.2 | |
| 203 | Beryllium | 7440-41-7 | 1.22*,‡ | 0.82 | |
| 204 | Cadmium | 7440-43-9 | 0.11*,‡ | 0.69 | |
| 205 | Chromium (Total) | 7440-47-3 | 0.60*,‡ | 2.77 | |
| 206 | Cyanides (Total) | 57-12-5 | 590 | 1.2 | |
| 207 | Cyanides (Amenable) | 57-12-5 | 30 | 0.86 | |
| 208 | Fluoride | 16984-48-8 | NA | 35 | |
| 209 | Lead | 7439-92-1 | 0.75*,‡ | 0.69 | |
| 210 | Mercury (retort residues) | 7439-97-6 | 0.20* | NA | |
| 211 | Mercury (all others) | 7439-97-6 | 0.025* | 0.15 | |
| 212 | Nickel | 7440-02-0 | 11*,‡ | 3.98 | |
| 213 | Selenium | 7782-49-2 | 5.7*,** | 0.82 | |
| 214 | Silver | 7440-22-4 | 0.14*,‡ | 0.43 | |
| 215 | Sulfide | 18496-25-8 | NA | 14 | |
| 216 | Thallium | 7440-28-0 | 0.20*,‡ | 1.4 | |
| 217 | Vanadium | 7440-62-2 | 1.6*,**,‡ | 4.3 | |
| 218 | Zinc | 7440-66-6 | 4.3*,**,‡ | 2.61 | |
| 219 | A2213 | 30558-43-1 | 1.4 | 0.042*** | |
| 220 | Aldicarb sulfone | 1646-88-4 | 0.28 | 0.056 | |
| 221 | Barban | 101-27-9 | 1.4 | 0.056 | |
| 222 | Bendiocarb | 22781-23-3 | 1.4 | 0.056 | |
| 223 | Bendiocarb phenol | 22961-82-6 | 1.4 | 0.056 | |
| 224 | Benomyl | 17804-35-2 | 1.4 | 0.056 | |
| 225 | Butylate | 2008-41-5 | 1.4 | 0.042*** | |
| 226 | Carbaryl | 63-25-2 | 0.14 | 0.006 | |
| 227 | Carbenzadim | 10605-21-7 | 1.4 | 0.056 | |

Section 11

Underlying Hazardous Constituents (UHC) & Land Disposal Restriction Constituents (LDR)

| Ref. No. | Hazardous Constituent | CAS No. | NWW mg/kg | WW mg/kg | Concentration |
|----------|--|------------|-----------|----------|---------------|
| 228 | Carbofuran | 1563-66-2 | 0.14 | 0.006 | |
| 229 | Carbofuran phenol | 1563-38-8 | 1.4 | 0.056 | |
| 230 | Carbosulfan | 55285-14-8 | 1.4 | 0.028 | |
| 231 | m-Cumenyl methylcarbamate | 64-00-6 | 1.4 | 0.056 | |
| 232 | Cycloate** | 1134-23-2 | 1.4 | 0.042*** | |
| 233 | Diethylene glycol, dicarbamate | 5952-26-1 | 1.4 | 0.056 | |
| 234 | Dimetilan | 644-64-4 | 1.4 | 0.056 | |
| 235 | Dithiocarbamates (total) | 137-30-4 | 28 | 0.028 | |
| 236 | EPTC | 759-94-4 | 1.4 | 0.042 | |
| 237 | Formetanate hydrochloride | 23422-53-9 | 1.4 | 0.056 | |
| 238 | Formparanate | 17702-57-7 | 1.4 | 0.056 | |
| 239 | 3-Iodo-2-propynyl n-butylcarbamate** | 55406-53-6 | 1.4 | 0.056 | |
| 240 | Isolan | 119-38-0 | 1.4 | 0.056 | |
| 241 | Methiocarb | 2032-65-7 | 1.4 | 0.056 | |
| 242 | Methomyl | 16752-77-5 | 0.14 | 0.028 | |
| 243 | Metolcarb | 1129-41-5 | 1.4 | 0.056 | |
| 244 | Mexacarbate | 315-18-4 | 1.4 | 0.056 | |
| 245 | Molinat | 2212-67-1 | 1.4 | 0.042 | |
| 246 | Oxamyl | 23135-22-0 | 0.28 | 0.056 | |
| 247 | Pebulate | 1114-71-2 | 1.4 | 0.042 | |
| 248 | o-Phenylenediamine | 95-54-5 | 5.6 | 0.056 | |
| 249 | Physostigmine | 57-47-6 | 1.4 | 0.056 | |
| 250 | Physostigmine salicylate | 57-64-7 | 1.4 | 0.056 | |
| 251 | Promecarb | 2631-37-0 | 1.4 | 0.056 | |
| 252 | Propham | 122-42-9 | 1.4 | 0.056 | |
| 253 | Propoxur | 114-26-1 | 1.4 | 0.056 | |
| 254 | Prosulfocarb | 52888-80-9 | 1.4 | 0.042 | |
| 255 | Thiodicarb | 59669-26-0 | 1.4 | 0.019 | |
| 256 | Thiophanate-methyl | 23564-05-8 | 1.4 | 0.056 | |
| 257 | Tirpate | 26419-73-8 | 0.28 | 0.056 | |
| 258 | Triallate | 2303-17-5 | 1.4 | 0.042 | |
| 259 | Triethylamine | 101-44-8 | 1.5 | 0.081 | |
| 260 | Vernolate | 1929-77-7 | 1.4 | 0.042 | |
| 261 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin | 35822-46-9 | 0.0025 | 0.000035 | |
| 262 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran | 67562-39-4 | 0.0025 | 0.000035 | |
| 263 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran | 55673-89-7 | 0.0025 | 0.000035 | |
| 264 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin | 3268-87-9 | 0.005 | 0.000063 | |
| 265 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran | 39001-02-0 | 0.005 | 0.000063 | |

* "Concentration in mg/l TCLP"

** Not Underlying Hazardous Constituents. (See 60 FR, Jan. 3, 1995)

*** The preamble to the final rule (61 FR 15584) clearly indicates that the wastewater treatment standard for thiocarbamate constituents has been revised to 0.042mg/l. However, the §268.48 universal treatment standards table still shows 0.003 mg/l.

‡ These UTS levels are effective on August 24, 1998 as established in 63 FR 28556-28753) the finalized Phase IV-Part 2 land disposal restrictions (LDR) rule.

+ These UTS levels are expressed as a treatment technology.

Section 11
Volatile Organic Hazardous Air Pollutants – VOHAP
Volatile Organic Compounds - VOC

| Chemical Name | CAS No. | Fm 305 |
|--|----------------|---------------|
| Acetaldehyde | 75-07-0 | 1.000 |
| Acetonitrile | 75-05-8 | 0.989 |
| Acetophenone | 98-86-2 | 0.314 |
| Acrolein | 107-02-8 | 1.000 |
| Acrylonitrile | 107-13-1 | 0.999 |
| Allyl chloride | 107-05-1 | 1.000 |
| Benzene (includes benzene in gasoline) | 71-43-2 | 1.000 |
| Benzotrichloride (isomers and mixture) | 98-07-7 | 0.958 |
| Benzyl Chloride | 100-44-7 | 1.000 |
| Biphenyl | 92-52-4 | 0.864 |
| Bis(chloromethyl)ether (b) | 542-88-1 | 0.999 |
| Bromoform | 75-25-2 | 0.998 |
| 1,3 – Butadiene | 106-99-0 | 1.000 |
| Carbon disulfide | 75-15-0 | 1.000 |
| Carbon tetrachloride | 56-23-5 | 1.000 |
| Carbonyl sulfide | 43-58-1 | 1.000 |
| Chloramben | 133-90-4 | 0.633 |
| Chlorobenzene | 108-90-7 | 1.000 |
| Chloroform | 67-66-3 | 1.000 |
| Chloromethyl methyl ether (b) | 107-30-2 | 1.000 |
| Chloroprene | 126-99-8 | 1.000 |
| Cumene | 98-82-8 | 1.000 |
| 2,4-D, salts and esters | 94-75-7 | 0.167 |
| Diazomethane (c) | 334-88-3 | 0.999 |
| Dibenzofurans | 132-64-9 | 0.967 |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | 1.000 |
| 1,4-Dichlorobenzene (p) | 106-46-7 | 1.000 |
| Dichloroethane (Ethylene dichloride) | 107-06-2 | 1.000 |
| Dichloroethyl ether (Bis(2-chloroethyl ether) | 111-44-4 | 0.757 |
| 1,3-Dichloropropene | 542-75-6 | 1.000 |
| Dimethyl carbamoyl chloride (c) | 79-44-7 | 0.150 |
| Diethyl sulfate | 64-67-5 | 0.0025 |
| Dimethyl sulfate | 77-78-1 | 0.086 |
| N,N-Dimethyl aniline | 121-69-7 | 0.0008 |
| 2,4-Dinitrophenol | 51-28-5 | 0.0077 |
| 2,4-Dinitrotoluene | 121-14-2 | 0.0848 |
| 1,4-Dioxane (1,4Diethyleneoxide) | 123-91-1 | 0.869 |
| Epichlorohydrin (1-Chloro-2,3-epoxypropane) | 106-89-8 | 0.939 |
| 1,2-Epoxybutane | 106-88-7 | 1.000 |
| Ethyl Acrylate | 140-88-5 | 1.000 |
| Ethyl Benzene | 100-41-4 | 1.000 |
| Ethyl chloride (Chloroethane) | 75-00-3 | 1.000 |
| Ethylene dibromide (Dibromoethane) | 106-93-4 | 0.999 |
| Ethylene dichloride (1,2-Dichloroethane) | 107-06-2 | 1.000 |
| Ethylene imine (Aziridine) | 151-56-4 | 0.867 |
| Ethylene Oxide | 75-21-8 | 1.000 |
| Ethylene dichloride (1,1-Dichloroethane) | 75-34-3 | 1.000 |
| Glycol ethers (d) that have a Henry's Law constant value equal to or greater than 0.1 y/x (1.8x10 ⁻⁶ atm/gm-mole/m ³) at 25°C | | |
| Hexachlorobenzene | 118-74-1 | 0.97 |
| Hexachlorobutadiene | 87-68-3 | 0.88 |
| Hexachloroethane | 67-72-1 | 0.499 |
| Hexane | 110-54-3 | 1.000 |
| Isophorone | 78-59-1 | 0.506 |

Section 11
Volatile Organic Hazardous Air Pollutants – VOHAP
Volatile Organic Compounds - VOC

| Chemical Name | CAS No. | Fm 305 |
|--|----------------|---------------|
| Lindane (all isomers) | 58-89-9 | 1.000 |
| Methanol | 67-56-1 | 0.855 |
| Methyl bromide (Bromomethane) | 74-83-9 | 1.000 |
| Methyl chloride | 74-87-3 | 1.000 |
| Methyl chloroform (1,1,1-Trichloroethane) | 71-55-6 | 1.000 |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 0.99 |
| Methyl iodide (Iodomethane) | 74-88-4 | 1.0001 |
| Methyl isobutyl ketone (Hexone) | 108-10-1 | 0.9796 |
| Methyl isocyanate | 624-83-9 | 1.000 |
| Methyl methacrylate | 80-62-6 | 0.916 |
| Methyl tert butyl ether | 1634-04-4 | 1.000 |
| Methylene chloride (Dichloromethane) | 75-09-2 | 1.000 |
| Naphthalene | 91-20-3 | 0.994 |
| Nitrobenzene | 98-95-3 | 0.394 |
| 2-Nitropropane | 79-46-9 | 0.989 |
| Pentachloronitrobenzene (Quintobenzene) | 82-68-8 | 0.839 |
| Pentachlorophenol | 87-86-5 | 0.0898 |
| Phosgene (c) | 75-44-5 | 1.000 |
| Propionaldehyde | 123-38-6 | 0.999 |
| Propylene dichloride (1,2-Dichloropropane) | 78-87-5 | 1.000 |
| Propylene oxide | 75-56-9 | 1.000 |
| 1,2-Propylenimine (2-Methyl aziridine) | 75-55-8 | 0.945 |
| Styrene | 100-42-5 | 1.000 |
| Styrene Oxide | 96-09-3 | 0.830 |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | 0.999 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 1.000 |
| Toluene | 108-88-3 | 1.000 |
| o-Toluidine | 95-53-4 | 0.152 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 1.000 |
| 1,1,1-Trichloroethane (Methyl Chlorform) | 71-55-6 | 1.000 |
| 1,1,2-Trichloroethane (Vinyl trichloride) | 79-00-5 | 1.000 |
| Trichloroethylene | 79-01-6 | 1.000 |
| 2,4,5-Trichlorophenol | 95-95-4 | 0.108 |
| 2,4,6-Trichlorophenol | 88-06-2 | 0.132 |
| Triethylamine | 121-44-8 | 1.000 |
| 2,2,4-Trimethylpentane | 540-84-1 | 1.000 |
| Vinyl Acetate | 108-05-4 | 1.000 |
| Vinyl Bromide | 593-60-2 | 1.000 |
| Vinyl Chloride | 75-01-4 | 1.000 |
| Vinylidene chloride (1,1-Dichloroethylene) | 75-35-4 | 1.000 |
| Xylenes (isomers and mixture) | 1330-20-7 | 1.000 |
| o-Xylenes | 95-47-6 | 1.000 |
| m-Xylenes | 108-38-3 | 1.000 |
| p-Xylenes | 106-42-3 | 1.000 |

Notes:

Fm305 = Method 305 fraction measure factor

- a. CAS numbers refer to the Chemical Abstracts Services registry number assigned to specific compounds, isomers, or mixtures of compounds.
- b. Denotes a HAP that hydrolyzes quickly in water, but the hydrolysis products are also HAP chemicals.
- c. Denotes a HAP that may react violently with water, excess caustic is an expected analyte.
- d. Denotes a HAP that hydrolyzes slowly in water.
- e. The Fm 305 factors for some of the more common glycol ethers can be obtained by contacting the Waste and Chemical Processes Group, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711.



Land Disposal Restriction & Certification Form

Please check the appropriate facility:

- Michigan Disposal Waste Treatment Plant 49350 N. I-94 Service Drive, Belleville, MI 48111 EPA ID # MID 000 724 831
- Wayne Disposal, Inc. Site #2 Landfill 49350 N. I-94 Service Drive, Belleville, MI 48111 EPA ID # MID 048 090 633
- EQ Detroit, Inc. 1923 Frederick Street, Detroit, MI 48211 EPA ID # MID 980 991 566
- EQ Resource Recovery, Inc. 36345 Van Born Road, Romulus, MI 48174 EPA ID # MID 060 975 844
- EQ North Carolina 1005 Investment Blvd, Apex, NC 27502 EPA ID # NCD 982 170 292
- EQ Florida, Inc. 7202 East 8th Ave, Tampa, FL 33619 EPA ID # FLD 981 932 494

Generator Name: _____ U.S. EPA ID No.: _____

Generator Address: _____

State Manifest No.: _____ Manifest Doc. No.: _____

Instructions

- Column 1:** Identify all U.S. EPA hazardous waste codes that apply to this waste shipment.
- Column 2:** Choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
- Column 3:** Enter the appropriate Subcategory, if applicable. Also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 40 CFR 268.49 (c) – soil, or 40 CFR 268.45 – debris.
- Column 4:** Enter the letter of the appropriate paragraph from pages 1-2 of this form.
- Column 5:** For F001 – F005, F039, D001 – D043, Debris and Contaminated Soil: please enter the Reference Number(s) for any constituents in your waste stream subject to treatment. The Reference Number(s) can be found in the EQ Resource Guide, LDR/UHC Constituent Table.

| Manifest Line Item | U.S. EPA Hazardous Waste Code (s) | NWW or WW | Subcategory | How Must the Waste be Managed? | Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-D043, Soil and Debris wastes. |
|--------------------|-----------------------------------|-----------|-------------|--------------------------------|--|
| 11A | | | | | |
| 11B | | | | | |
| 11C | | | | | |
| 11D | | | | | |

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Signature: _____ Title: _____

Printed Name: _____ Date: _____

How Must the Waste Be Managed?

S. THIS CONTAMINATED SOIL DOES / DOES NOT CONTAIN LISTED HAZARDOUS WASTE AND DOES / DOES NOT EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND IS SUBJECT TO / COMPLIES WITH THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. (CIRCLE ONE) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.



Land Disposal Restriction & Certification Form

- A. THIS RESTRICTED WASTE REQUIRES TREATMENT TO THE APPLICABLE STANDARD. This waste must be treated to the applicable performance based treatment standard set forth in 40CFR Part 268 Subpart C and Subpart D, 268.40 or RCRA Section 3004(d) prior to land disposal.
- B. THIS HAZARDOUS DEBRIS IS SUBJECT TO THE ALTERNATIVE TREATMENT STANDARDS OF 40 CFR 268.45.
- C. THIS RESTRICTED WASTE HAS BEEN TREATED TO THE PERFORMANCE STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- D. THIS RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT TREATMENT. I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR part 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.
- E. THIS LAB PACK DOES NOT CONTAIN ANY WASTES IDENTIFIED AT APPENDIX IV TO PART 268. I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under appendix IV to 40 CFR part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.
- F. THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC AND CONTAINS UNDERLYING HAZARDOUS CONSTITUENTS THAT REQUIRE FURTHER TREATMENT TO MEET THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- G. THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC AND BEEN TREATED FOR UNDERLYING HAZARDOUS CONSTITUENTS. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic and that underlying hazardous constituents, as defined in §268.2(i) have been treated on-site to meet the §268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment..
- H. THIS RESTRICTED WASTE IS SUBJECT TO AN EXEMPTION FROM LAND DISPOSAL. *(Please include the date the waste is subject to the prohibitions in Column 5)* This waste is subject to an exemption from a prohibition on the type of land disposal method utilized for the waste (such as, but not limited to, a case-by-case extension under 40 CFR Part 268.5, an exemption under 40 CFR 268.6, or a nationwide capacity variance under 40 CFR 269 Subpart C)
- I. THIS RESTRICTED WASTE WITH TREATMENT STANDARDS EXPRESSED AS CONCENTRATIONS IN THE WASTE PURSUANT TO 268.43, IF COMPLIANCE WITH THE TREATMENT STANDARDS IN SUBPART D OF THIS PART IS BASED IN PART OR IN WHOLE ON THE ANALYTICAL DETECTION LIMIT ALTERNATIVE IN 268.439(c). I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion units as specified in 268.42, Table 1. I have been unable to detect the nonwastewater organic constituents, despite having used best good-faith efforts to analyze for such constituents. I am aware there are significant penalties for submitting a false certifications, including the possibility of fine and imprisonment.



Generator Waste Amendment Form

Please select all that apply:

| | | | |
|--|---------------------|-------------------|----------------------|
| <input type="checkbox"/> Michigan Disposal Waste Treatment Plant | Phone: 800-592-5489 | Fax: 800-592-5329 | EPA ID# MID000724831 |
| <input type="checkbox"/> Wayne Disposal, Inc. Site #2 Landfill | Phone: 800-592-5489 | Fax: 800-592-5329 | EPA ID# MID048090633 |
| <input type="checkbox"/> EQ Detroit, Inc. | Phone: 313-923-0080 | Fax: 313-923-3375 | EPA ID# MID980991566 |
| <input type="checkbox"/> EQ Resource Recovery, Inc. | Phone: 866-373-8357 | Fax: 734-326-4033 | EPA ID# MID060975844 |
| <input type="checkbox"/> EQ North Carolina | Phone: 919-363-4100 | Fax: 919-363-4714 | EPA ID# NCD982170292 |
| <input type="checkbox"/> EQ Florida, Inc. | Phone: 813-623-5463 | Fax: 813-628-0842 | EPA ID# FLD981932494 |
| <input type="checkbox"/> EQ Transfer & Processing | Phone: 313-923-0080 | Fax: 313-922-8419 | EPA ID# MIK939928313 |
| <input type="checkbox"/> EQ Indianapolis | Phone: 317-247-7160 | Fax: 317-247-7170 | EPA ID# IND161049309 |
| <input type="checkbox"/> EQ Atlanta | Phone: 404-494-3520 | Fax: 404-494-3560 | EPA ID# GAR000039776 |
| <input type="checkbox"/> EQ Augusta, Inc. | Phone: 706-771-9100 | Fax: 706-771-9124 | EPA ID# GAR000011817 |

Approval # (s) to be amended: _____ EPA waste code(s): _____

| GENERAL INFORMATION | | |
|--------------------------|------------------|--------------|
| Generator Name: _____ | EPA ID#: _____ | |
| Generator Address: _____ | | |
| Technical Contact: _____ | Phone #: _____ | Fax #: _____ |
| Invoicing Party: _____ | Account #: _____ | |
| Invoicing Address: _____ | | |
| Technical Contact: _____ | Phone#: _____ | Fax #: _____ |

| |
|--------------------------|
| WASTE COMMON NAME |
|--------------------------|

AMENDMENT

In the event that a waste stream composition changes before the annual update is required, the generator may use this form to amend the waste profile. (A new sample may be required.) Please note, if the process generating the waste has changed, a new Waste Characterization Report, sample and analytical must be submitted for a new waste stream approval.

Please provide a detailed description below of the change(s) to the waste stream.

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 Standard Terms and Conditions associated with the original Waste Characterization Report. (The Standard Terms and Conditions are incorporated into the Waste Characterization Report as Page 4.)

Generator Signature: _____ Printed Name: _____

Company: _____ Date: _____