Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NYD982793937
2. Page 1 of 1
3. Emergency Response Phone: 800-255-3924
4. Manifest Tracking Number: 010405563 JJK

5. Generator's Name and Mailing Address
Taconic
136 Coonbrook Rd. PO Box 69
Petersburgh NY 12138
Generator's Phone: 518 658-3202

Generator's Site Address (if different than mailing address)
136 Coonbrook Road
Petersburgh, NY 12138

6. Transporter 1 Company Name: Precision Industrial Maint., Inc. (518) 346-5800 — U.S. EPA ID Number: NY0001031814

7. Transporter 2 Company Name: Clean Venture, Inc (908) 355-5800 — U.S. EPA ID Number: NJ0000027193

8. Designated Facility Name and Site Address
Cycle Chem, Inc
217 South First Street
Elizabeth NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | [1]UN1263, WASTE Paint related materials, 3, PGII DOT-SP-11624 | 1 | CF | 800 | P | D035 / D001 | D043 / F005 | / B |
| X | [2]UN3412, WASTE Formic acid, 8, PGII | 1 | DF | 60 | P | T / D002 | | |
| ~~X~~ | ~~[3]UN1188, WASTE Ethylene glycol monomethyl ether, 3, PGIII~~ N/A | | ~~DF~~ | | P | ~~B~~ / ~~D001~~ | | |
| X | [4]UN1325, WASTE Flammable solids, organic, n.o.s. (toluene), 4.1, PGIII | 1 | DM | 225 | P | F005 / D001 | B | |

14. Special Handling Instructions and Additional Information
1.SEE PACKING SLIP LP02 UN-1263 ERG# 128 1x2 Y Box
2.SEE PROFILE # 1 ERG# 153 (formic acid) 1x55 UN3412-141
~~3.SEE PROFILE # 4 ERG# 127 ethylene glycol monomethyl ether~~
4.SEE PROFILE # 5 ERG# 133 (solidified resin) 1x30 UN-1144
ERS=Chemtel, Inc MIS# 0006506
~~a.(add'l codes F005,B )~~ (w)
00023

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Karen Doty — Signature: Karen Doty — Month 12 Day 3 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Rich Robinson — Signature — Month 12 Day 3 Year 12
Transporter 2 Printed/Typed Name: Jose Ramirez — Signature — Month 12 Day 10 Year 12

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H061 2. H141 3. 4. H141

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Richard Robinson — Signature — Month 12 Day 18 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

TAC EPA 00908

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NYD982793937
2. Page 1 of 1
3. Emergency Response Phone: 800-255-3924
4. Manifest Tracking Number: 010405563 JJK

5. Generator's Name and Mailing Address
Taconic
136 Coonbrook Rd. PO Box 69
Petersburgh NY 12138
Generator's Phone: 518 658-3202

Generator's Site Address (if different than mailing address)
136 Coonbrook Road
Petersburgh, NY 12138

6. Transporter 1 Company Name: Precision Industrial Maint., Inc. (518) 346-5800
U.S. EPA ID Number: NY0001031814

7. Transporter 2 Company Name: Clean Venture, Inc (908) 355-5800
U.S. EPA ID Number: NJ0000027193

8. Designated Facility Name and Site Address
Cycle Chem, Inc
217 South First Street
Elizabeth NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | [1]UN1263, WASTE Paint related materials, 3, PGII DOT-SP-11624 | 1 | CF | 800 | P | D035 / D001 | D043 / F005 | / B |
| X | [2]UN3412, WASTE Formic acid, 8, PGII | 1 | DF | 60 | P | T / D002 | | |
| ~~X~~ | ~~[3]UN1188, WASTE Ethylene glycol monomethyl ether, 3, PGIII~~ | | ~~DF~~ | | P | ~~B~~ / ~~D001~~ | | |
| X | [4]UN1325, WASTE Flammable solids, organic, n.o.s. (toluene), 4.1, PGIII | 1 | DM | 225 | P | F005 / D001 | B | |

14. Special Handling Instructions and Additional Information
1.SEE PACKING SLIP LP02 ERG# 128 1x5y 3cy
2.SEE PROFILE # 1 ERG# 153 (formic acid) 1x5c
~~3.SEE PROFILE # 4 ERG# 127 ethylene glycol monomethyl eth~~
4.SEE PROFILE # 5 ERG# 133 (solidified resin) 1x3b
ERG-ChemTel, Inc MIS# 0000500
a.(add'l codes F005,B ) 00023

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is truc.

Generator's/Offeror's Printed/Typed Name: Richard Tow
Signature: [signature]
Month 12 Day 3 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Rich Robinson
Signature: [signature]
Month 12 Day 3 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name Signature Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

## U.S. EPA Form 8700-22

Read all instructions before completing this form.

1. This form has been designed for use on a 12-pitch (elite) typewriter which is also compatible with standard computer printers; a firm point pen may also be used—press down hard.
2. Federal regulations require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, and disposal facilities to complete this form (EPA Form 8700–22) and, if necessary, the continuation sheet (EPA Form 8700–22A) for both inter- and intrastate transportation of hazardous waste.

Public reporting burden for this collection of information is estimated to average: 30 minutes for generators, 10 minutes for transporters, and 25 minutes for owners or operators of treatment, storage, and disposal facilities. This includes time for reviewing instructions, gathering data, completing, reviewing and transmitting the form. Any correspondence regarding the PRA burden statement for the manifest must be sent to the Director of the Collection Strategies Division in EPA's Office of Information Collection at the following address: U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, DC 20460. Do not send the completed form to this address.

### I. Instructions for Generators

*Item 1. Generator's U.S. EPA Identification Number*

Enter the generator's U.S. EPA twelve digit identification number, or the State generator identification number if the generator site does not have an EPA identification number.

*Item 2. Page 1 of ___*

Enter the total number of pages used to complete this Manifest (*i.e.*, the first page (EPA Form 8700-22) plus the number of Continuation Sheets (EPA Form 8700-22A), if any).

*Item 3. Emergency Response Phone Number*

Enter a phone number for which emergency response information can be obtained in the event of an incident during transportation. The emergency response phone number must:

1. Be the number of the generator or the number of an agency or organization who is capable of and accepts responsibility for providing detailed information about the shipment;
2. Reach a phone that is monitored 24 hours a day at all times the waste is in transportation (including transportation related storage); and
3. Reach someone who is either knowledgeable of the hazardous waste being shipped and has comprehensive emergency response and spill cleanup/incident mitigation information for the material being shipped or has immediate access to a person who has that knowledge and information about the shipment.

**Note:** Emergency Response phone number information should only be entered in Item 3 when there is one phone number that applies to all the waste materials described in Item 9b. If a situation (*e.g.*, consolidated shipments) arises where more than one Emergency Response phone number applies to the various wastes listed on the manifest, the phone numbers associated with each specific material should be entered after its description in Item 9b.

*Item 4. Manifest Tracking Number*

This unique tracking number must be pre-printed on the manifest by the forms printer.

*Item 5. Generator's Mailing Address, Phone Number and Site Address*

Enter the name of the generator, the mailing address to which the completed manifest signed by the designated facility should be mailed, and the generator's telephone number. Note, the telephone number (including area code) should be the normal business number for the generator, or the number where the generator or his authorized agent may be reached to provide instructions in the event the designated and/or alternate (if any) facility rejects some or all of the shipment. Also enter the physical site address from which the shipment originates only if this address is different than the mailing address.

*Item 6. Transporter 1 Company Name, and U.S. EPA ID Number*

Enter the company name and U.S. EPA ID number of the first transporter who will transport the waste. Vehicle or driver information may not be entered here.

*Item 7. Transporter 2 Company Name and U.S. EPA ID Number*

If applicable, enter the company name and U.S. EPA ID number of the second transporter who will transport the waste. Vehicle or driver information may not be entered here.

If more than two transporters are needed, use a Continuation Sheet(s) (EPA Form 8700-22A).

*Item 8. Designated Facility Name, Site Address, and U.S. EPA ID Number*

Enter the company name and site address of the facility designated to receive the waste listed on this manifest. Also enter the facility's phone number and the U.S. EPA twelve digit identification number of the facility.

*Item 9. U.S. DOT Description (Including Proper Shipping Name, Hazard Class or Division, Identification Number, and Packing Group)*

*Item 9a.* If the wastes identified in Item 9b consist of both hazardous and nonhazardous materials, then identify the hazardous materials by entering an "X" in this Item next to the corresponding hazardous material identified in Item 9b.

*Item 9b.* Enter the U.S. DOT Proper Shipping Name, Hazard Class or Division, Identification Number (UN/NA) and Packing Group for each waste as identified in 49 CFR 172. Include technical name(s) and reportable quantity references, if applicable.

**Note:** If additional space is needed for waste descriptions, enter these additional descriptions in Item 27 on the Continuation Sheet (EPA Form 8700-22A). Also, if more than one Emergency Response phone number applies to the various wastes described in either Item 9b or Item 27, enter applicable Emergency Response phone numbers immediately following the shipping descriptions for those Items.

*Item 10. Containers (Number and Type)*

Enter the number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

TABLE I.--TYPES OF CONTAINERS

| | |
|---|---|
| BA = Burlap, cloth, paper, or plastic bags. | DT = Dump truck. |
| CF = Fiber or plastic boxes, cartons, cases. | DW = Wooden drums, barrels, kegs. |
| CM = Metal boxes, cartons, cases (including roll-offs). | HG = Hopper or gondola cars. |
| CW = Wooden boxes, cartons, cases. | TC = Tank cars. |
| CY = Cylinders. | TP = Portable tanks. |
| DF = Fiberboard or plastic drums, barrels, kegs. | TT = Cargo tanks (tank trucks). |
| DM = Metal drums, barrels, kegs. | |

*Item 11. Total Quantity*

Enter, in designated boxes, the total quantity of waste. Round partial units to the nearest whole unit, and *do not* enter decimals or fractions. To the extent practical, report quantities using appropriate units of measure that will allow you to report quantities with precision. Waste quantities entered should be based on actual measurements or reasonably accurate estimates of actual quantities shipped. Container capacities are not acceptable as estimates.

*Item 12. Units of Measure (Weight/Volume)*

Enter, in designated boxes, the appropriate abbreviation from Table II (below) for the unit of measure.

TABLE II.--UNITS OF MEASURE

| | |
|---|---|
| G = Gallons (liquids only). | N = Cubic Meters. |
| K = Kilograms. | P = Pounds. |
| L = Liters (liquids only). | T = Tons (2000 Pounds). |
| M = Metric Tons (1000 kilograms). | Y = Cubic Yards. |

**Note:** Tons, Metric Tons, Cubic Meters, and Cubic Yards should only be reported in connection with very large bulk shipments, such as rail cars, tank trucks, or barges.

*Item 13. Waste Codes*

Enter up to six federal and state waste codes to describe each waste stream identified in Item 9b. State waste codes that are not redundant with federal codes must be entered here, in addition to the federal waste codes which are most representative of the properties of the waste.

*Item 14. Special Handling Instructions and Additional Information*

1. Generators may enter any special handling or shipment-specific information necessary for the proper management or tracking of the materials under the generator's or other handler's business processes, such as waste profile numbers, container codes, bar codes, or response guide numbers. Generators also may use this space to enter additional descriptive information about their shipped materials, such as chemical names, constituent percentages, physical state, or specific gravity of wastes identified with volume units in Item 12.
2. This space may be used to record limited types of federally required information for which there is no specific space provided on the manifest, including any alternate facility designations; the manifest tracking number of the original manifest for rejected wastes and residues that are re-shipped under a second manifest; and the specification of PCB waste descriptions and PCB out-of-service dates required under 40 CFR 761.207. Generators, however, cannot be required to enter information in this space to meet state regulatory requirements.

*Item 15. Generator's/Offeror's Certifications*

1. The generator must read, sign, and date the waste minimization certification statement. In signing the waste minimization certification statement, those generators who have not been exempted by statute or regulation from the duty to make a waste minimization certification under section 3002(b) of RCRA are also certifying that they have complied with the waste minimization requirements. The Generator's Certification also contains the required attestation that the shipment has been properly prepared and is in proper condition for transportation (the shipper's certification). The content of the shipper's certification statement is as follows: "I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent." When a party other than the generator prepares the shipment for transportation, this party may also sign the shipper's certification statement as the offeror of the shipment.
2. Generator or Offeror personnel may preprint the words, "On behalf of" in the signature block or may hand write this statement in the signature block prior to signing the generator/offeror certification, to indicate that the individual signs as the employee or agent of the named principal.

**Note:** All of the above information except the handwritten signature required in Item 15 may be pre-printed.

LP02

# PRECISION
## Industrial Maintenance, Inc

Job# 12-0023

Manifest# 010405567JJK

**SHIP TO:**
Cycle Chem
217 South First Street
Elizabeth, New Jersey 07206

Shipping Name: Waste Paint related materials

Additional Description/EPA Waste Codes: D001, D043, D035, F005

**FROM:**
Tacmic
136 Coonbrook Rd
Petersburgh, NY 12138

**EPA ID#** NYD982783937

| Hazard Class | UN/NA# | Packing Group |
|---|---|---|
| 3 | UN 1263 | II |

| Container Size | Weight | Date Shipped |
|---|---|---|
| 1 x 4Y Box | | 12/3/12 |

| No. of Containers | Size | Physical State | Description | Weight | Waste Codes |
|---|---|---|---|---|---|
| 1 | 5gal | L | Aliphatic Polyanhydride Resin (Ricobond 1756) | | |
| 1 | 5gal. | L | Epoxy Resin (Polybutadiene resin) Ricon 153 | | |
| 1 | 5gal. | L | Biphenol Epoxy Resin Epon Resin 836 | | |
| 1 | 5gal. | L | Vinyl Chloride Copolymer Vycar 351 | | |
| 1 | 5gal. | L | Acetone + Biphenol Epoxy Resin Epon 1001-A-80 | | |
| 2 | 5gal. | L | Di propylene glycol methyl ether 97% | | |
| 2 | 5gal. | L | MEK | | |
| 1 | 5gal. | L | Liquid Silicone Rubber Silastic LCF 3600 | | |
| 1 | 5gal. | L | PSA Primer contains toluene | | |
| 4 | 5gal. | L | Polybutadiene | | |
| 3 | Boxes | | AccuDyne Test Markers (glycol ether) | | |
| 1 | Qt | | primer (epoxy) | | |
| 1 | 1gal. | | yellow paint epoxy | | |
| 1 | 5gal. | | oil | | |
| | | | | | |
| | | | | | |

Cycle Chem, Inc.
217 South First St.
Elizabeth, NJ 07206
Phone: (908) 355-5800
Fax: (908) 355-0562

550 Industrial Drive
Lewisberry, PA 17339
Phone: (717) 938-4700
Fax: (717) 938-3301

General Chemical Corporation
133-138 Leland Avenue
Framingham, MA 01702
Phone: (508) 827-5000
Fax: (508) 875-5271


# LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

**Generator Name:** Taconic

**Generator EPA ID #:** NYD982793937 **Manifest # :** 010405563JJK

This land disposal restriction (LDR) notification must be submitted with the initial shipment of all new waste streams. Due to revised LDR notification requirements effective after August 23, 1998, previously approved waste streams will require re-notification on this form with the first shipment after that date. Subsequent notification is not required unless the waste stream changes.

## (1) WASTE STREAM INFORMATION

*Box A:* *Check this box if this LDR certification has been supplied with a previous shipment. Additional information and certification is not required on this form.*

*Box B:* *Indicate if waste stream is a wastewater (WW) or non-wastewater (NWW) (aqueous waste streams containing < 1% total organic carbon (TOC) and < 1% total suspended solids (TSS) are wastewaters. All other streams are non-wastewaters).*

*Box C:* *List all EPA waste codes and subcategory reference letters (if applicable). Alternatively, attach and reference additional pages (e.g. profiles or lab pack slips) containing required information.*

| Line # | A<br>Previously shipped LDR on file | B<br>NWW / WW | C<br>EPA Waste Codes and subcategory reference letter (if applicable) |
|---|---|---|---|
| A | | NWW | D001, D035, D043, F005 |
| B | | NWW | D002 |
| C | | NWW | D001 |
| D | | NWW | D001, F005 |

**Subcategory Reference Letters (EPA codes not listed here do not have subcategories)**

| | | |
|---|---|---|
| D001 | A | Ignitable characteristic wastes, except high TOC ignitable liquids subcategory |
| D001 | B | High TOC (> 10%) ignitable liquid subcategory |
| D003 | A | Reactive sulfide subcategory |
| D003 | B | Reactive cyanide subcategory |
| D003 | C | Water reactive subcategory |
| D003 | D | Other reactive subcategory |
| D006 | A | Cadmium non-battery subcategory |
| D006 | B | Cadmium containing batteries subcategory |
| D008 | A | Lead non-battery subcategory |
| D008 | B | Lead acid batteries subcategory |
| D009 | A | High mercury organic subcategory (> 260 PPM Total Mercury) |
| D009 | B | High mercury inorganic subcategory (> 260 PPM Total Mercury) |
| D009 | C | Low mercury subcategory (< 260 PPm Total Mercury) |
| D009 | D | Mercury wastewater subcategory |

## (2) SPENT SOLVENT WASTE CONSTITUENTS

*Circle applicable waste code(s) and constituent(s) for each manifest line item containing EPA spent solvent waste codes F001-F005.*

A B C D____F001 A B C D____F002 A B C D____F003 A B C D____F004 (A B C D) X F005

| | |
|---|---|
| A B C D_____-acetone | A B C D_____-ethyl ether |
| A B C D_____-benzene | A B C D_____-methanol |
| A B C D_____-n-butyl alcohol | A B C D_____-methylene chloride |
| A B C D_____-iso-butyl alcohol | A B C D_____-methyl ethyl ketone |
| A B C D_____-carbon disulfide | A B C D_____-methyl isobutyl ketone |
| A B C D_____-carbon tetrachloride | A B C D_____-nitrobenzene |
| A B C D_____-chlorobenzene | A B C D_____-pyridine |
| A B C D_____-m-cresol | A B C D_____-tetrachloroethylene |
| A B C D_____-o-cresol | (A B C D) F005 -toluene |
| A B C D_____-p-cresol | A B C D_____-1,1,1-trichloroethane |
| A B C D_____-cresylic acid | A B C D_____-1,1,2-trichloroethane |
| A B C D_____-cyclohexanone | A B C D_____-trichloroethylene |
| A B C D_____-o-dichlorobenzene | A B C D_____-trichloromonofluoromethane |
| A B C D_____-ethyl acetate | A B C D_____-1,1,2-trichloro-1,2,2-trifluoroethane |
| A B C D_____-ethyl benzene | A B C D_____-xylenes |

## (3) UNDERLYING HAZARDOUS CONSTITUENTS

For characteristically hazardous waste streams (EPA codes D001-D043), please list all underlying hazardous constituents as defined in 40 CFR 268(2)(i) that are present at concentrations exceeding the universal treatment standards listed in 40 CFR 268.48 (F001-F005 constituents identified in section (2) and specific constituents for EPA U-, P-, and D004-D043 codes listed in section (1) do not need to be listed in this section).

A. toluene None Present
A. formic acid None Present
A. ethylene glycol monomethyl ether None Present
A. toluene None Present

## (4) HOW MUST THESE WASTE STREAMS BE MANAGED?

For each manifest line item, **circle** applicable treatment/requirement. For contaminated soil, circle applicable choice as indicated.

A B C D__ This waste is non-hazardous per 40 CFR 261, and is not restricted from land disposal under 40 CFR subpart D.

(A B C D) X This is an EPA hazardous waste that is not a contaminated soil or hazardous debris. Waste must be treated to the appropriate treatment standard set forth in 40 CFR subpart D prior to land disposal.

A B C D__ This is a hazardous debris ( > 60mm/2.36 inch) and is subject to the alternative treatment standards of 40 CFR 268.45.

A B C D__ This is a hazardous waste contaminated soil. This contaminated soil **does/does not** (circle one) contain listed hazardous wastes and **does/does not** (circle one) exhibit a characteristic of hazardous waste and is subject **to/complies with** (circle one) the soil treatment standards as provided by 268.49(c) or the universal treatment standards.

A B C D__ This is an EPA hazardous waste that meets all applicable treatment standards set forth in 40 CFR 268 subpart D, and can be landfilled without further treatment. I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or thorough knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(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.

## (5) CERTIFICATION

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

**Signature:** [signature] **Title:** Div. mgr.

**Printed Name:** Karen Toth **Date:** 12/3/2012

## UNDERLYING HAZARDOUS CONSTITUENTS
## UNIVERSAL TREATMENT STANDARDS

Regulated constituent
Organic Constituents

| Common name | CAS#[1] | WW mg/l[2] | NWW mg/kg[3] |
|---|---|---|---|
| A2213 | 30558-43-1 | 0.042 | 1.4 |
| Acenaphthylene | 208-96-8 | 0.59 | 3.4 |
| Acenaphthene | 83-32-9 | 0.059 | 3.4 |
| Acetone | 67-64-1 | 0.28 | 160 |
| Acetonitrile | 75-05-8 | 5.6 | 38 |
| Acetophenone | 96-86-2 | 0.010 | 9.7 |
| 2-Acetylaminofluorene | 53-96-3 | 0.059 | 140 |
| Acrolein | 107-02-8 | 0.29 | NA |
| Acrylamide | 79-06-1 | 19 | 23 |
| Acrylonitrile | 107-13-1 | 0.24 | 84 |
| Aldicarb sulfone | 1646-88-4 | 0.056 | 0.28 |
| Aldrin | 309-00-2 | 0.021 | 0.066 |
| 4-Aminobiphenyl | 92-67-1 | 0.13 | NA |
| Aniline | 62-53-3 | 0.81 | 14 |
| Anthracene | 120-12-7 | 0.059 | 3.4 |
| Aramite | 140-57-8 | 0.36 | NA |
| alpha-BHC | 319-84-6 | 0.00014 | 0.066 |
| beta-BHC | 319-85-7 | 0.00014 | 0.066 |
| delta-BHC | 319-86-8 | 0.023 | 0.066 |
| gamma-BHC | 58-89-9 | 0.0017 | 0.066 |
| Barban | 101-27-9 | 0.056 | 1.4 |
| Bendiocarb | 22781-23-3 | 0.056 | 1.4 |
| Bendiocarb phenol | 22961-82-6 | 0.056 | 1.4 |
| Benomyl | 17804-35-2 | 0.056 | 1.4 |
| Benzene | 71-43-2 | 0.14 | 10 |
| Benz (a) anthracenes | 56-55-3 | 0.059 | 3.4 |
| Benzal chloride | 98-87-3 | 0.055 | 6.0 |
| Benzo (b) fluoranthene (difficult to distinguish from benzo (k) flouranthene) | 205-99-2 | 0.11 | 6.8 |
| Benzo (k) flouranthene (difficult to distinguish from benzo (b) flouranthene) | 207-08-9 | 0.11 | 6.8 |
| Benzo (g,h,i) perylene | 191-24-2 | 0.0055 | 1.8 |
| Benzo (a) pyrene | 50-32-8 | 0.061 | 3.4 |
| Bromodichloromethane | 75-27-4 | 0.35 | 15 |
| Bromomethane/Methyl bromide | 74-83-9 | 0.11 | 15 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 0.055 | 15 |
| n-Butyl alcohol | 71-36-3 | 5.6 | 2.6 |
| Butylate | 2008-41-5 | 0.042 | 1.4 |
| Butyl benzyl phthalate | 85-68-7 | 0.017 | 28 |
| 2-sec-Butyl-4,6-dinitrophenol /Dinoseb | 88-85-7 | 0.066 | 2.5 |
| Carbaryl | 63-25-2 | 0.006 | 0.14 |
| Carbenzadim | 10605-21-7 | 0.056 | 1.4 |
| Carbofuran | 1563-66-2 | 0.006 | 0.14 |
| Carbofuran phenol | 1563-38-8 | 0.056 | 1.4 |
| Carbon disulfide | 75-15-0 | 3.8 | 4.8 mg/l TCLP |
| Carbon Tetrachloride | 56-23-5 | 0.057 | 6.0 |
| Carbosulfan | 55285-14-8 | 0.028 | 1.4 |
| Chlordane (alpha and gamma isomers) | 57-74-9 | 0.0033 | 0.26 |
| p-Chloroaniline | 106-47-8 | 0.46 | 16 |
| Chlorobenzene | 108-90-7 | 0.057 | 6.0 |
| Chlorobenzilate | 510-15-6 | 0.10 | NA |
| 2-Chloro-1,3 butadiene | 126-99-8 | 0.057 | 0.28 |
| Chlorodibromomethane | 124-48-1 | 0.057 | 15 |
| Chloroethane | 75-00-3 | 0.27 | 6.0 |
| Bis(2-Chloroethoxy) methane | 111-91-1 | 0.036 | 7.2 |
| Bis(2-Chloroethyl) ether | 111-44-4 | 0.033 | 6.0 |
| Chloroform | 67-66-3 | 0.046 | 6.0 |
| Bis (2-Chloroisopropyl) ether | 39638-32-9 | 0.055 | 7.2 |
| p-Chloro-m-cresol | 59-50-7 | 0.018 | 14 |
| 2-Chloroetheyl vinyl ether | 110-75-8 | 0.062 | NA |
| Chloromethane/Methyl chloride | 74-87-3 | 0.19 | 30 |
| 2-Chloronaphthalene | 91-58-7 | 0.055 | 5.6 |
| 2-Chlorophenol | 95-57-8 | 0.044 | 5.7 |
| 3-Chloropropylene | 107-05-1 | 0.036 | 30 |
| Chrysene | 218-01-9 | 0.059 | 3.4 |
| o-cresol | 95-48-7 | 0.11 | 5.6 |
| m-cresol (difficult to distinguish from p-cresol) | 108-39-4 | 0.77 | 5.6 |
| p-cresol (difficult to distinguish from m-cresol) | 106-44-5 | 0.77 | 5.6 |
| m-Cumenyl methylcarbonate | 64-00-6 | 0.056 | 1.4 |
| Cyclohexanone | 108-94-1 | 0.36 | 0.75 mg/l TCLP |
| o,p'-DDD | 53-19-0 | 0.023 | 0.087 |
| p,p'-DDD | 72-54-8 | 0.023 | 0.087 |
| o,p'-DDE | 3424-82-6 | 0.031 | 0.087 |
| p,p'-DDE | 72-55-9 | 0.031 | 0.087 |
| o,p'-DDT | 789-02-6 | 0.0039 | 0.087 |
| p,p'-DDT | 50-29-3 | 0.0039 | 0.087 |
| Dibenz (a,h) anthracene | 53-70-3 | 0.055 | 8.2 |
| Dibenz (a,e) pyrene | 192-65-4 | 0.061 | NA |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | 0.11 | 15 |
| 1,2-Dibromoethane/Ethylene dibromide | 106-93-4 | 0.028 | 15 |
| Dibromomethane | 74-95-3 | 0.11 | 15 |
| m-dichlorobenzene | 541-73-1 | 0.036 | 6.0 |
| O-Dichlorbenzene | 95-50-1 | 0.088 | 6.0 |
| p-Dichlorobenzene | 106-46-7 | 0.090 | 6.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.23 | 7.2 |
| 1,1-Dichloroethane | 75-43-3 | 0.059 | 6.0 |
| 1,2-Dichloroethane | 107-06-2 | 0.21 | 6.0 |
| 1,1-Dichloroethylene | 75-35-4 | 0.025 | 6.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | 0.054 | 30 |
| 2,4-Dichlorophenol | 120-83-2 | 0.044 | 14 |
| 2,6-Dichlorophenol | 87-65-0 | 0.044 | 14 |
| 2,4-Dichlorophenoxyacetic acid/2,4-D | 94-75-7 | 0.72 | 10 |
| 1,2-Dichloropropane | 78-87-5 | 0.85 | 18 |
| cis-1,2-Dichlorpropylene | 10061-01-5 | 0.036 | 18 |
| trans-1,3-Dichloropropylene | 10061-02-6 | 0.036 | 18 |
| Dieldrin | 60-57-1 | 0.017 | 0.13 |
| Diethylene glycol, dicarbamate | 5952-26-1 | 0.056 | 1.4 |
| Diethyl phthalate | 84-66-2 | 0.20 | 28 |
| -Dimethylaminoazobenzene | 60-11-7 | 0.13 | NA |
| 2-4-Dimethyl phenol | 105-67-9 | 0.036 | 14 |
| Dimethyl phthalate | 131-11-3 | 0.047 | 28 |
| Dimetilan | 644-64-4 | 0.056 | 1.4 |
| Di-n-butyl phthalate | 84-74-2 | 0.057 | 28 |
| 1,4 Dinitrobenzene | 100.25-4 | 0.32 | 2.3 |
| 4 6-Dinitro-o-cresol | 534-52-1 | 0.28 | 160 |
| 2,4-Dinitrophenol | 51-28-5 | 0.12 | 160 |
| 2,4-Dinitrotoluene | 121-14-2 | 0.32 | 140 |
| 2,6-Dinitrotoluene | 606-20-2 | 0.55 | 28 |
| Di-n-octyl phthalate | 228-84-0 | 0.017 | 28 |
| Di-n-propylnitrosamine | 621-64-7 | 0.40 | 14 |
| 1,4-Dioxane | 123-91-1 | 12.0 | 170 |
| Diphenylamine (difficult to distinguish from diphenylnitrosamine) | 122-39-4 | 0.92 | 13 |
| Diphenylnitrosamine (difficult to distinguish from diphenylamine) | 86-30-6 | 0.92 | 13 |
| 1,2-Diphenylhydrazine | 122-66-7 | 0.087 | NA |
| Disulfoton | 298-04-4 | 0.017 | 6.2 |
| Dithiocarbamates (total) | NA | 0.028 | 28 |
| Endosulfan I | 959-98-8 | 0.023 | 0.066 |
| Endosulfan | 33213-65-9 | 0.029 | 0.13 |
| Endosulfan sulfate | 1031-07-8 | 0.029 | 0.13 |
| Endrin | 72-20-8 | 0.0028 | 0.13 |
| Endrin aldehyde | 7421-93-4 | 0.025 | 0.13 |
| EPTC | 759-94-4 | 0.042 | 1.4 |
| Ethyl acetate | 141-78-6 | 0.34 | 33 |
| Ethyl benzene | 100-41-4 | 0.057 | 10 |
| Ethyl cyanide/Propanenitrile | 107-12-0 | 0.24 | 360 |
| Ethyl ether | 60-29-7 | 0.12 | 160 |
| bis (2-Ethylhexyl) phthalate | 117-81-7 | 0.28 | 28 |
| Ethyl methacrylate | 97-63-2 | 0.14 | 160 |
| Ethylene oxide | 75-21-8 | 0.12 | NA |
| Famphur | 52-85-7 | 0.017 | 15 |
| Fluoranthene | 206-44-0 | 0.068 | 3.4 |
| Fluorene | 86-73-7 | 0.059 | 3.4 |
| Formetanate hydrochloride | 23422-53-9 | 0.056 | 1.4 |
| Formparanate | 17702-57-7 | 0.056 | 1.4 |
| Heptachlor | 76-44-8 | 0.0012 | 0.066 |
| Heptachlor epoxide | 1024-57-3 | 0.016 | 0.066 |
| Hexachlorobenzene | 118-74-1 | 0.055 | 10 |
| Hexachlorbutadiene | 87-68-3 | 0.055 | 5.6 |
| Hexachlorocyclopentadience | 77-47-4 | 0.057 | 2.4 |
| HxCDDs (all Hexachlorodibenzo n-dioxins) | NA | 0.000063 | 0.001 |
| HxCDFs (all Hexachlorodibenzo-furans) | NA | 0.000063 | 0.001 |
| Hexachloroethane | 67-72-1 | 0.055 | 30 |
| Hexachloropropylene | 1888-71-7 | 0.035 | 30 |
| Indeno (1,2,3-c,d) pyrene | 193-39-5 | 0.0055 | 3.4 |
| Iodomethane | 74-88-4 | 0.19 | 65 |
| Isobutyl alcohol | 78-83-1 | 5.6 | 170 |
| Isodrin | 465-73-6 | 0.021 | 0.066 |
| Isolan | 119-38-0 | 0.056 | 1.4 |
| Isosafrole | 120-58-1 | 0.081 | 2.6 |
| Kepone | 143-50-0 | 0.0011 | 0.13 |
| Methylacrylonitrile | 126-98-7 | 0.24 | 84 |
| Methanol | 67-56-1 | 5.6 | 0.75 mg/l TCLP |
| Methapyrilene | 91-80-5 | 0.081 | 1.5 |
| Methiocarb | 2032-65-7 | 0.056 | 1.4 |
| Methomyl | 16752-77-5 | 0.028 | 1.14 |
| Methoxychlor | 72-43-5 | 0.25 | 0.18 |
| 3-Methylcholanthrene | 56-49-5 | 0.0055 | 15 |
| 4,4-Methylene bis(2 chloraniline) | 101-14-4 | 0.50 | 30 |
| Methylene chloride | 75-09-2 | 0.089 | 30 |
| Methyl ethyl ketone | 78-93-3 | 0.28 | 36 |
| Methyl isobutyl ketone | 108-10-1 | 0.14 | 33 |
| Methyl methacrylate | 80-62-6 | 0.14 | 160 |
| Methyl methansulfonate | 66-27-3 | 0.018 | NA |
| Methyl parathion | 298-00-0 | 0.014 | 4.6 |
| Metolcarb | 1129-41-5 | 0.056 | 1.4 |
| Mexacarbate | 315-18-4 | 0.056 | 1.4 |
| Molinate | 2212-67-1 | 0.042 | 1.4 |
| Naphthalene | 91-20-3 | 0.059 | 5.6 |
| 2-Napthylamine | 91-59-8 | 0.52 | NA |
| O-Nitroaniline | 88-74-4 | 0.27 | 14 |
| p-nitroaniline | 100-01-6 | 0.028 | 28 |
| Nitrobenzene | 98-95-3 | 0.068 | 14 |
| 5-Nitro-o-toluidine | 99-55-8 | 0.32 | 28 |
| o-Nitrophenol | 88-75-5 | 0.028 | 13 |
| p-nitrophenol | 100-02-7 | 0.12 | 29 |
| N-Nitrosodiethylamine | 55-18-5 | 0.40 | 28 |
| N-Nitrosodimethylamine | 62-75-9 | 0.40 | 2.3 |
| N-Nitroso-di-n-butylamine | 924-16-3 | 0.40 | 17 |
| N-Nitrosomethylethylamine | 10595-95-6 | 0.40 | 2.3 |
| N-Nitrosomorpholine | 59-89-2 | 0.40 | 2.3 |
| N-Nitrosopiperidine | 100-75-4 | 0.013 | 35 |
| N-Nitrosopyrrolidine | 930-55-2 | 0.013 | 35 |
| Oxamyl | 23135-22-0 | 0.056 | 0.28 |
| Parathion | 56-38-2 | 0.014 | 4.6 |
| Total PCBs (sum of all PCB isomers, or all Aroclors) | 1336-36-3 | 0.10 | 10 |
| Pebulate | 1114-71-2 | 0.042 | 1.4 |
| Pentachlorobenzene | 608-93-5 | 0.055 | 10 |
| PeCDDs (All Pentachlorodibenzo-p-dioxins) | NA | 0.000063 | 0.001 |
| PeCDFs (All Pentachloro-benzofurans) | NA | 0.000035 | 0.001 |
| Pentachloroethane | 76-01-7 | 0.055 | 6.0 |
| Pentachloronitrobenzene | 82-68-8 | 0.055 | 4.8 |
| Pentachlorophenol | 87-86-5 | 0.089 | 7.4 |
| Phenacetin | 62-44-2 | 0.081 | 16 |
| Phenanthrene | 85-01-8 | 0.059 | 5.6 |
| Phenol | 108-95-2 | 0.039 | 6.2 |
| o-phenylenediamine | 95-54-5 | 0.056 | 5.6 |
| Phorate | 298-02-2 | 0.021 | 4.6 |
| Phthalic acid | 100-21-0 | 0.055 | 28 |
| Phthalic anhydride | 85-44-9 | 0.055 | 28 |
| Physostigmine | 57-47-6 | 0.056 | 1.4 |
| Physostigmine salicylate | 57-64-7 | 0.056 | 1.4 |
| Promecarb | 2631-37-0 | 0.056 | 1.4 |
| Pronamide | 23950-58-5 | 0.093 | 1.5 |
| Propham | 122-42-9 | 0.056 | 1.4 |
| Propoxur | 114-26-1 | 0.056 | 1.4 |
| Prosulfocarb | 52888-80-9 | 0.042 | 1.4 |
| Pyrene | 129-00-0 | 0.067 | 8.2 |
| Pyridine | 110-86-1 | 0.014 | 16 |
| Safrole | 94-59-7 | 0.081 | 22 |
| Silvex/2,4,5-TP | 93-72-1 | 0.72 | 7.9 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 0.055 | 14 |
| TCDDs (All Tetrachlorodibenzo) | NA | 0.000063 | 0.001 |
| TCDFs (All Tetrachorodi-benzofurans) | NA | 0.000063 | 0.001 |
| 1,1,1,2-Tetrachlorethane | 630-20-6 | 0.057 | 6.0 |
| 1,1,2,2-Tetrachlorethane | 79-34-5 | 0.057 | 6.0 |
| Tetrachloroethylene | 127-18-4 | 0.056 | 6.0 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 0.030 | 7.4 |
| Thiodicarb | 59669-26-0 | 0.019 | 1.4 |
| Thiophanate-methyl | 23564-05-8 | 0.056 | 1.4 |
| Tirpate | 26419-73-8 | 0.056 | 0.28 |
| Toluene | 108-88-3 | 0.080 | 10 |
| Toxaphene | 8001-35-2 | 0.0095 | 2.6 |
| Triallate | 2303-17-5 | 0.042 | 1.4 |
| Tribromomethane/Bromoform | 75-25-2 | 0.63 | 15 |
| 2,4,6-Tribromophenol | 118-79-6 | 0.035 | 7.4 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 0.055 | 19 |
| 1,1,1-Trichloroethane | 71-55-6 | 0.054 | 6.0 |
| 1,1,2-Trichlorethane | 79-00-5 | 0.054 | 6.0 |
| Trichloroethylene | 79-01-6 | 0.054 | 6.0 |
| Trichloromonofluoromethane | 75-69-4 | 0.020 | 30 |
| 2,4,5-Trichlorophenol | 95-95-4 | 0.18 | 7.4 |
| 2,4,6-Trichlorophenol | 88-06-2 | 0.035 | 7.4 |
| 2,4,5-Trichlorophenoxyacetic acid | 93-76-5 | 0.72 | 7.9 |
| 1,2,3-Trichloropropane | 96-18-4 | 0.85 | 30 |
| 1,1,2-Trichloro-1,2,2-tri-fluoroethane | 76-13-1 | 0.057 | 30 |
| Triethylamine | 101-44-8 | 0.081 | 1.5 |
| tris-(2,3-Dibromopropyl) phosphate | 126-72-7 | 0.11 | 0.10 |
| Vernolate | 1929-77-7 | 0.042 | 1.4 |
| Vinyl chloride | 75-01-4 | 0.27 | 6.0 |
| Xylenes-mixed isomers (sum of o-, m- and p- xylene concentrations) | 1330-20-7 | 0.32 | 30 |
| **Inorganic Constituents** | | | |
| Antimony | 7440-36-0 | 1.9 | 1.15 mg/l TCLP |
| Arsenic | 7440-38-2 | 1.4 | 5.0 mg/l TCLP |
| Barium | 7440-39-3 | 1.2 | 21 mg/l TCLP |
| Beryllium | 7440-41-7 | 0.82 | 1.22 mg/l TCLP |
| Cadmium | 7440-43-9 | 0.69 | 0.11 mg/l TCLP |
| Chromium (Total) | 7440-47-3 | 2.77 | 0.60 mg/l TCLP |
| Cyanides (Total) 4 | 57-12-5 | 1.2 | 590 |
| Cyanides (Amenable) 4 | 57-12-5 | 0.86 | 30 |
| Fluoride 5 | 16984-48-8 | 35 | NA |
| Lead | 7439-92-1 | 0.69 | 0.75 mg/l TCLP |
| Mercury NWW from Retort | 7439-97-6 | NA | 0.20 mg/l TCLP |
| Mercury All Others | 7439-97-6 | 0.15 | 0.025/mg/l TCLP |
| Nickel | 7440-02-0 | 3.98 | 11 mg/l TCLP |
| Selenium 5 | 7782-49-2 | 0.82 | 5.7 mg/l TCLP |
| Silver | 7440-22-4 | 0.43 | 0.14 mg/l TCLP |
| Sulfide 5 | 18496-25-8 | 14 | NA |
| Thallium | 7440-28-0 | 1.4 | 0.20mg/l TCLP |
| Vanadium 5 | 7440-62-2 | 4.3 | 1.6 mg/l TCLP |
| Zinc 5 | 7440-66-6 | 2.61 | 4.3 mg/l TCLP |

**(1) CAS means Chemical Abstract Services. When the waste code and/or regulated constituents are described as a combination of a chemical its salts, and/or esters, the CAS number is given for the parent compound only.**

**(2) Concentration standards for wastewaters are expressed in mg/l and are based on analysis of composite samples.**

**(3) Except for Metals (EP or TCLP) and Cyanides (Total and Amendable) the nonwastewater treatment standards expressed as a concentration were established, in part, based on incineration in units operated in accordance with the technical requirements of 40 CFR part 264, subpart O or CFR part 265, subpart 0, or based on combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may comply with these treatment standards according to provisions to 40 CFR 268.40 (d). All concentration standards for nonwastewaters are based on analysis of grab samples.**

**(4) Both cyanides (Total) and Cyanides (Amendable) for nonwastewaters are to be analyzed using method 9010 or 9012 found in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, with sample size of 10 grams and a distillation time of one hour and 15 minutes.**

**(5) Fluoride, selenium, sulfide, vanadium and zinc are not underlying hazardous constituents in characteristic wastes, according to the definition in 268.2(i).**

**NOTE: NA means not applicable.**