



# OFFICE OF LAND QUALITY

## HAZARDOUS WASTE BIENNIAL REPORT QUICK NOTES

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### REPORT DESCRIPTION

The Biennial Hazardous Waste report documents the types and amounts of RCRA hazardous wastes that are generated, shipped off-site, treated on site and/or received from off-site.

### DATE DUE

- ♦ Reports must be postmarked by March 1. Extensions until April 1 may be granted. Send your request to [olqregulatoryreporting@idem.in.gov](mailto:olqregulatoryreporting@idem.in.gov) and specify the reason for the request. Extension requests received on or after March 1<sup>st</sup> will not be considered.

### NEW FOR 2016

Final Rule of new Definition of Solid Waste (DSW) became effective in Indiana on November 5<sup>th</sup>, 2016. By adopting the July 1, 2015 version of 40 CFR 260 - 270 & 273, IDEM is adopting the requirements in the 2015 final rule, including any amendment or deletions made to the requirements in the 2008 final rule. For more information, visit the [Final Rule: 2015 DSW](#) page on the U.S. EPA's website. EPA Site ID form 8700-12 Addendum for HSM activity should be used to make an initial notification and for the updates due every even numbered year. It should be submitted along with the Indiana Handler ID form. Addendum and Instructions are available here: <https://www.epa.gov/hwgenerators/how-hazardous-waste-generators-transporters-and-treatment-storage-and-disposal>

### REGULATORY CITATIONS

Annual Manifest report: IC 13-22-4-3.1  
 Biennial Hazardous Waste report: 329 IAC 3.1-7-14, 329 IAC 3.1-9-1, 329 IAC 3.1-10-1

### WHO MUST FILE AND WHICH REPORT MUST BE SUBMITTED

#### **SMALL QUANTITY GENERATORS - ANNUAL MANIFEST REPORT**

- ♦ Any facility that was a small quantity generator at least one month of the year, but was not a large quantity generator any month during the year, must submit the Annual Manifest report.
- ♦ Conditionally Exempt Small Quantity Generators (CESQGs) that for any one calendar month generate more than 220 pounds or accumulate on-site at any time more than 2,200 pounds of hazardous waste will also be required to complete and submit the Annual Manifest report.

Report year	Date due	Forms required	Report Required
Every year	March 1, every year	ID, OS	Annual Manifest Report

#### **LARGE QUANTITY GENERATORS - BIENNIAL HAZARDOUS WASTE REPORT OR ANNUAL MANIFEST REPORT**

- ♦ Any facility that was a large quantity generator (LQG) at least one month of the year must submit either an Annual Manifest report OR a Hazardous Waste Biennial report depending on the year.

Report year	Date due	Forms required	Report Required
Odd numbered years	March 1, even year	ID, GM , OI	Biennial Report
Even numbered years	March 1, odd year	ID, OS	Annual Manifest Report

## TREATMENT, STORAGE, DISPOSAL FACILITIES - BIENNIAL REPORT OR ANNUAL MANIFEST REPORT

Any facility that was a permitted treatment, storage, or disposal facility during the report year must submit either an Annual Manifest report OR a Hazardous Waste Biennial report depending on the year.

Report year	Date due	Forms required	Report Required
Odd numbered years	March 1, even year	ID, WR, OI, CC	Biennial Report
Even numbered years	March 1, odd year	ID, WG	Annual Manifest Report

### **IF YOUR FACILITY WAS NOT AN LQG, SQG, OR TSD DURING THE REPORT YEAR**

- ◆ If your facility was not an LQG, SQG, or TSD facility in any month of the report year no report is required.
- ◆ **HOWEVER**, if you received a reporting reminder in the mail in December you **MUST** complete and return the Handler ID form to the Office of Land Quality.
- ◆ This is necessary so that we can update our records to reflect that you did not owe a report.
- ◆ Even if the business is no longer active, the entire report is required if the facility acted as an SQG or LQG in any one month.

### **HANDLER IDENTIFICATION FORM**

THE HANDLER ID FORM IS REQUIRED TO BE SUBMITTED BY ALL SQGs, LQGs, TSDs, AND ANY FACILITY THAT RECEIVED A REMINDER NOTICE IN DECEMBER.

- ◆ The ID form should be reviewed; corrections made if needed, signed and submitted with the rest of the report.
- ◆ The ID form is **NOT** the entire report.
- ◆ If you did not receive an Indiana Hazardous Handler Identification form you may request one from [http://www.in.gov/surveytool/public/survey.php?name=HW\\_Handler\\_ID\\_2016\\_r1](http://www.in.gov/surveytool/public/survey.php?name=HW_Handler_ID_2016_r1).

### **ELECTRONIC REPORTING**

ALL REPORTS SHOULD BE SUBMITTED ELECTRONICALLY

- ◆ The ARM Easitrak software should be used to file electronic reports. This is located at [www.arminc.net](http://www.arminc.net)
- ◆ The Handler ID form and the Declaration of Electronic Submittal form must be sent in hard copy.
- ◆ They should be sent at the same time and after you submit the report on line.
- ◆ The Site Identification form from the software should not be sent in place of the Handler ID form.
- ◆ Complete instructions are available at <http://www.in.gov/idem/landquality/2373.htm>.

### **FORMS AND INSTRUCTIONS**

- ◆ If you are unable to file electronically, paper forms are available at <http://www.in.gov/idem/5157.htm>
- ◆ Complete instructions for the Annual Manifest report, the Biennial Report, and ARM Easitrak are also located on the website and should be carefully reviewed before completion of the reports.

### **ASSISTANCE**

317-233-0066 [olqdataservices@idem.in.gov](mailto:olqdataservices@idem.in.gov)

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### **SEND FORMS TO:**

Indiana Dept of Environmental Management  
Office of Land Quality; Data Services Section  
100 North Senate Avenue, Room 1101  
Indianapolis, IN 46204-2251

## **REPORTING CHECKLIST**

- Did you submit all of the required forms? The Handler Id form is NOT the entire report.
- Did you submit the correct forms for your generator status and the year?
- Did you submit a signed hard copy of the Handler ID form?
- If you did not generate and/or ship in 2013 did you send the signed Handler ID form to clarify and update your status?
- If you filed electronically did you submit a Declaration of Electronic Submittal and the Handler ID form in hard copy?
- Did you complete every item on the forms?
- Did you review the following tables?

## **HANDLER ID FORM**

Changes Needed	♦ Enter any changes needed in the blanks.
Location Address	♦ If you have moved you may no longer use the same ID#. You must apply for a new one.
HW Generator Activity	♦ Be sure to mark only one item in each category.
Contact for HW Activities	♦ Be sure to include an e-mail address since all reminders are now sent via e-mail.
Certification	♦ This must be filled in with a signature.
HW Fees contact	♦ Fill this in if the Fees contact is different from the HW contact
Property Owner	♦ Fill this in if your business does not own the property where the waste is being generated.
NAICS code	♦ This is required. Go to <a href="http://www.naics.com">www.naics.com</a> to find a code
Other HW activities, Used Oil, Universal Waste, Transfer facility	♦ Fill this out only if any of these categories apply to your business.

## **FORM SI RCRA SUBTITLE C SITE IDENTIFICATION FORM (EASITRAK)**

Reason for submittal	♦ You should check both “as a component of the Hazardous Waste Report” and “ the Site was a TSD facility and/or generator of > 1000 kg of hazardous waste.....etc”
Type of Regulated Waste Activity	♦ In this section indicate the current generator status for the facility which may be different from the status claimed for the reporting year.
HSM Addendum:	♦ This has not yet been adopted in Indiana and is not required.
Certification	♦ Click on the head in the Actions column to create a new certifier.

**GM form**

- ◆ Only one waste stream should be reported on each GM form.

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**Description**

- ◆ The waste description must be filled in
- ◆ This is found in Box 9 on the manifest.

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**Waste Codes**

- ◆ Starts with D,F, P, K, U followed by three numbers
- ◆ Nonhazardous wastes should not be reported. This includes PCBs.
- ◆ Found in Box 13 on the manifest

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**Quantity Generated**

- ◆ The amount of each unique type of waste generated must be added up for the entire year.
- ◆ The unit of measure must be in pounds, tons, kilograms, or metric tons
- ◆ Volumes must be converted.
- ◆ Found in Box 11 on the manifest

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**Form code**

- ◆ Refer to the category in the hard copy of the code list to assist with deciding which code to use.
- ◆ The form code should match the description ie. is it liquid or solid; organic or inorganic.
- ◆ Contaminated debris should be coded as W002 NOT W319
- ◆ Contaminated soil should be coded as W301 NOT W319
- ◆ This code is not found on the manifest.

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**Source code**

- ◆ Refer to the category in the hard copy of the code list to assist with deciding which code to use.
- ◆ Source code G25 should only be used if this waste was generated as a result of treating ANOTHER hazardous waste on-site.
- ◆ If G25 is used the management method used to treat the original hazardous waste must be entered.
- ◆ This code is not found on the manifest.

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**Waste Minimization code**

- ◆ If you did not attempt any waste minimization enter an X.
- ◆ This code is not found on the manifest.

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**RCRA ID shipped to (TSD)**

- ◆ The designated facility (TSD) must be a permitted facility.
- ◆ Found in Box 8 on the manifest (designated facility)

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**Quantity Shipped Off Site**

- ◆ The total amount of each unique waste stream shipped to each TSD for the year should be totaled and entered on one line.
- ◆ The amount generated may not always match the amount shipped off site due to end of year shipments, but you should check this and if there is a large difference provide an explanation in the comments.
- ◆ Box 8 on the manifest

**These codes have changed. The code on your manifest may no longer be valid. Refer to the Management Method Code list to find the correct new code to use.**

<i>Management code</i>	<ul style="list-style-type: none"> <li>◆ The management code should be the one used by the TSD who accepted your waste, NOT the final disposition of the waste.</li> <li>◆ If the designated facility stored the waste on-site with no treatment and then re-manifested it elsewhere use code H141.</li> <li>◆ If the waste went to a different management code at the same TSD enter a new line.</li> <li>◆ The TSD facility must be permitted to conduct that type of treatment.</li> <li>◆ The code can be found in box 19 of the Uniform Hazardous Waste Manifest. If no code is there contact your TSD facility.</li> </ul>
<i>On Site management</i>	<ul style="list-style-type: none"> <li>◆ This section should be completed if your facility treated waste on site in exempt units.</li> <li>◆ See the complete Biennial Report instructions for a full discussion of exempt systems.</li> <li>◆ Do not report waste stored on site – H141</li> </ul>
<b>WR form</b>	<ul style="list-style-type: none"> <li>◆ Only one waste stream should be reported on each WR form</li> </ul>
<i>Description</i>	<ul style="list-style-type: none"> <li>◆ The waste description must be filled in</li> <li>◆ Found in Box 9 on the uniform hazardous waste manifest</li> </ul>
<i>Waste Codes</i>	<ul style="list-style-type: none"> <li>◆ Start with D,F, P, K, U followed by three numbers</li> <li>◆ Non hazardous wastes should not be reported.</li> <li>◆ Found in Box 13 on the manifest</li> </ul>
<i>Generator ID</i>	<ul style="list-style-type: none"> <li>◆ If the generator was a conditionally exempt small quantity generator enter their state code followed by CESQG; i.e. INCESQG</li> <li>◆ If the generator is from a foreign country enter FC</li> <li>◆ Found in Box 1 on the manifest</li> </ul>
<i>Quantity</i>	<ul style="list-style-type: none"> <li>◆ The unit of measure must be in pounds, tons, kilograms, or metric tons</li> <li>◆ Volumes must be converted.</li> <li>◆ Found in Box 11 on the manifest</li> </ul>
<i>Form code</i>	<ul style="list-style-type: none"> <li>◆ Refer to the category in the hard copy of the code list to assist with deciding which code to use.</li> <li>◆ The form code should match the description i.e. liquid or solid; organic or inorganic.</li> <li>◆ Contaminated debris should be coded as W002 NOT W319.</li> <li>◆ Contaminated soil should be coded as W301 NOT W319.</li> <li>◆ The form codes are not listed on the manifest.</li> </ul>
<i>Management code</i>	<p><b>These codes have changed. The code on the manifest may no longer be valid. Refer to the Management Method Code list to find the correct new code to use.</b></p> <ul style="list-style-type: none"> <li>◆ Enter the code that best describes the process system in which the waste was managed.</li> <li>◆ If more than one code applies, enter the one that is most descriptive.</li> </ul>

## **ARM EASITRAK** ([www.arminc.net](http://www.arminc.net))

<b><i>Signing into Easitrak</i></b>	<ul style="list-style-type: none"><li>◆ You must register as a new generator &amp; create a new password every year.</li><li>◆ The system will ask that you create answers to four security questions. One of these will be asked before you can submit the data.</li><li>◆ The password and answers to the security questions are case sensitive.</li></ul>
<b><i>Generator Status</i></b>	<ul style="list-style-type: none"><li>◆ The status you choose when registering as a new user should be your status for the report year.</li><li>◆ The status you choose on the SI form in the Type of Regulated Waste Activity page should be your current status.</li></ul>
<b><i>Handler ID form</i></b>	<ul style="list-style-type: none"><li>◆ <b>THE INDIANA HAZARDOUS WASTE HANDLER ID FORM MUST BE FILED EVEN WHEN YOU SUBMIT ELECTRONICALLY. THE REPORT WILL NOT BE COMPLETE WITHOUT THIS FORM.</b></li><li>◆ If you did not receive a Handler ID form go to <a href="http://www.in.gov/surveytool/public/survey.php?name=HW_Handler_ID_2016_r1">http://www.in.gov/surveytool/public/survey.php?name=HW_Handler_ID_2016_r1</a> to request one.</li></ul>
<b><i>Declaration Electronic Filing</i></b>	<ul style="list-style-type: none"><li>◆ This form must be signed and sent in hard copy, along with the Indiana Handler ID form.</li><li>◆ This form can be found under the “Reports” option in Easitrak</li><li>◆ The Handler ID form and the Declaration forms should be sent at the same time and <b>AFTER</b> you submit the electronic report.</li></ul>
<b><i>FORM SI</i></b>	<ul style="list-style-type: none"><li>◆ The Site ID form must be filled out completely in Easitrak. We know this is duplicating the Handler ID, but there is a reason for it.</li><li>◆ The Site ID form should NOT be sent instead of the Handler ID form.</li><li>◆ The addendum for 40 CFR 261 Hazardous Secondary Material Activity(HSM) has not yet been adopted by Indiana and is NOT required to be completed by Indiana generators at this time.</li></ul>
<b><i>Source, Form, Management</i></b>	<ul style="list-style-type: none"><li>◆ The category designations are not shown in the drop down boxes but are useful in determining the best code to use. A paper copy of these codes is in the instructions found at: <a href="http://www.in.gov/idem/landquality/2373.htm">http://www.in.gov/idem/landquality/2373.htm</a></li></ul>
<b><i>Alphanumeric fields</i></b>	<ul style="list-style-type: none"><li>◆ Please do not use these characters in text fields: { } &gt; &lt; + / % &amp; ( ) ;</li><li>◆ The &lt; or &gt; symbols should be replaced with “LT” or “GT”.</li></ul>
<b><i>OI form</i></b>	<ul style="list-style-type: none"><li>◆ Indiana requires that this be submitted.</li></ul>
<b><i>Submitting the report</i></b>	<ul style="list-style-type: none"><li>◆ After all your data is entered &amp; correct select the “Submit” option to send to IDEM.</li><li>◆ If you need to make corrections after the report is sent, contact <a href="mailto:olqregulatoryreporting@idem.in.gov">olqregulatoryreporting@idem.in.gov</a> to request that your report be unlocked.</li></ul>
<b><i>Submittal error</i></b>	<ul style="list-style-type: none"><li>◆ If you get an error box that states "You must type correct answer before submitting"</li><li>◆ Under the address bar and above the Easitrak banner there is a popup or question line in yellow shading.</li><li>◆ Right click on this and accept scripting</li><li>◆ Then click on "Submit" again. One of the security questions will appear.</li></ul>

# HAZARDOUS WASTE BIENNIAL REPORT

## *Biennial Report Code Lists*

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### SOURCE CODES

<b>WASTE FROM ONGOING PRODUCTION AND SERVICE PROCESSES</b>	
G01	Dip, flush or spray rinsing: using solvents to clean or prepare parts or assemblies for further processing, i.e. painting or assembly
G02	Stripping and acid or caustic cleaning: using caustics to remove coatings or layers from parts or assemblies
G03	Plating and phosphating : electro- or non-electroplating or phosphating
G04	Etching: using caustics or other methods to remove layers or partial layers
G05	Metal forming and treatment: pickling, heat treating, punching, bending, annealing, grinding, hardening, etc.
G06	Painting and coating: manufacturing, building, or maintenance
G07	Product and by-product processing: direct flow of wastes from chemical manufacturing or processing, etc.
G08	Removal of spent process liquids or catalysts: bulk removal of wastes from chemical manufacturing or processing, etc.
G09	Other production or service-related processes from which a waste is a direct outflow or result. (specify in comments)
<b>OTHER INTERMITTENT EVENTS OR PROCESSES</b>	
G11	Discarding off-specification, out-of-date, and/or unused chemicals or products
G12	Lagoon or sediment dragout and leachate collection: large scale operations in open pits, ponds, or lagoons
G13	Cleaning out process equipment: periodic sludge or residual removal from enclosed processes including internal scrubbing or cleaning
G14	Removal of tank sludge, sediments or slag: periodic sludge or residual removal from storage tanks including internal scrubbing or cleaning
G15	Process equipment change-out or discontinuation of equipment use: final material and residuals removal including cleaning
G16	Oil changes and filter or battery replacement: automotive, machinery, etc.
G17	Subpart K laboratory waste clean-out (facility must have opted into the Subpart K rule to use this code)
G19	Other one-time or intermittent processes (specify in comments)

<b>POLLUTION CONTROL AND WASTE MANAGEMENT PROCESS RESIDUALS</b>	
G21	Air pollution control devices: baghouse dust or ash from stack scrubbers or precipitators; vapor collection, etc.
G22	Laboratory analytical wastes: used chemicals from laboratory operations
G23	Wastewater treatment: sludge, filter cake, etc., including wastes from treatment before discharge by NPDES or POTW or by UIC disposal.
G24	Solvent or product distillation or recovery: sludge, waste solvent, bottoms from recovery/recycling of used product
<b>G25</b>	<b>Treatment, disposal, or recycling of hazardous wastes – indicate the management method (enter the related H code) that produced the residuals.</b>
G26	Leachate collection: from landfill operations or other land units
<b>G27</b>	<b>Treatment or recovery of universal waste.</b>
<b>SPILLS AND ACCIDENTAL RELEASES</b>	
G31	Accidental contamination of products, materials or containers (other than G11)
G32	Cleanup of spill residues: infrequent, not routine
G33	Leak collection and floor sweeping: ongoing, routine
G39	Other cleanup of current contamination (specify in comments)
<b>REMEDIATION OF PAST CONTAMINATION</b>	
G41	Closure of hazardous waste management unit under RCRA
G42	Corrective action at a solid waste management unit under RCRA
G43	Remedial action or emergency response under Superfund
<b>G44</b>	<b>Cleanup under State or voluntary program.</b>
<b>G45</b>	<b>Cleanup of underground storage tank.</b>
G49	Other remediation (specify in comments)
<b>WASTE NOT PHYSICALLY GENERATED ON SITE</b>	
G61	Hazardous waste received from off-site for storage/bulking and transfer off site for treatment or disposal
<b>Hazardous waste received from a foreign country other than a foreign Dept of Defense site, Maquiladora, US territory or protectorate. This site was the generator of record and is the U.S. Importer.</b>	
G63	Hazardous waste received from Antarctica
G64	Hazardous waste received from Aruba
G65	Hazardous waste received from Bahamas
G66	Hazardous waste received from Belgium
G67	Hazardous waste received from Brazil
G68	Hazardous waste received from Canada
G69	Hazardous waste received from Holland
G70	Hazardous waste received from Malaysia
G71	Hazardous waste received from Mexico
G72	Hazardous waste received from New Zealand
G73	Hazardous waste received from Taiwan
G74	Hazardous waste received from Venezuela
G75	Hazardous waste received from other foreign country - see Comments for name of country

## FORM CODES

<b>MIXED MEDIA, DEBRIS, DEVICES</b> <i>Waste that is a mixture of organic and inorganic wastes, liquid and solid wastes, or devices that are not easily categorizable.</i>	
W001	Lab packs from any source not containing acute hazardous waste
W002	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, other solids: usually from construction, demolition, cleaning, or remediation
W004	Lab packs from any source containing acute hazardous waste
W005	Waste pharmaceuticals managed as hazardous waste
W301	Contaminated soil: usually from spill cleanup, demolition, or remediation; see also W512
W309	Batteries, battery parts, cores, casing: lead acid or other types
W310	Filters, solid adsorbents, ion exchange resins and spent carbon: usually from production, intermittent processes, or remediation
W320	Electrical devices: lamps, fluorescent lamps, or thermostats usually containing mercury, CRTs containing lead; etc.
W512	Sediment or lagoon dragout, drilling or other muds (wet or muddy soils); see also W301
W801	Compressed gases of any type

<b>INORGANIC LIQUIDS</b> <i>Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content</i>	
W101	Very dilute aqueous waste containing more than 99% water: land disposal restriction defined wastewater that is not exempt under NPDES or POTW discharge
W103	Spent concentrated acid: 5% or more
W105	Acidic aqueous wastes less than 5% acid: diluted but pH < 2
W107	Aqueous waste containing cyanides: generally caustic
W110	Caustic aqueous waste without cyanides: pH > 12.5
W113	Other aqueous waste or wastewaters: fluid but not sludge
W117	Waste liquid mercury: metallic
W119	Other inorganic liquid (specify in comments)

<b>ORGANIC LIQUIDS</b> <i>Waste that is primarily organic and is highly fluid, with low inorganic solids content and low to moderate water content</i>	
W200	Still bottoms in liquid form: fluid but not sludge
W202	Concentrated halogenated (e.g. chlorinated) solvent
W203	Concentrated non-halogenated (e.g. , non-chlorinated) solvent
W204	Concentrated halogenated/non-halogenated solvent mixture
W205	Oil-water emulsion or mixture: fluid but not sludge
W206	Waste oil managed as hazardous waste
W209	<b><i>Paint, ink, lacquer, or varnish: fluid - not dried out or sludge</i></b>
W210	Reactive or polymerizable organic liquids and adhesives: fluid but not sludge
W211	Paint thinner or petroleum distillates
W219	Other organic liquid (specify in comments)

<b>INORGANIC SOLIDS</b> <i>Waste that is primarily inorganic and solid, with low organic content and low to moderate water content; not pumpable</i>	
W303	Ash: from any type of burning of hazardous waste
W304	Slags, drosses, and other solid thermal residues
W307	Metal scale, filings and scrap (including metal drums)
W312	Cyanide or metal cyanide bearing solids, salts or chemicals
W316	Metal salts or chemicals not containing cyanides
W319	Other inorganic solids (specify in comments)

<b>ORGANIC SOLIDS</b> <i>Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable</i>	
W401	Pesticide solids: used or discarded - not contaminated soils (W301)
W403	Solid resins, plastics or polymerized organics
W405	Explosives or reactive organic solids
W406	Dried paint; paint chips, filters, air filters, other
W409	Other organic solids (specify in comments)

<b>INORGANIC SLUDGES</b> <i>Waste that is primarily inorganic, with moderate-to-high water content and low organic content; mostly pumpable</i>	
W501	Lime and/or metal hydroxide sludges and solids with no cyanides: not contaminated muds (W512)
W503	Gypsum sludges from wastewater treatment or air pollution control
W504	Other sludges from wastewater treatment or air pollution control
W505	Metal bearing sludges (including plating sludge) not containing cyanides
W506	Cyanide-bearing sludges: not contaminated soils (W512)
W519	Other inorganic sludges: not contaminated muds (W512) (specify in comments)

<b>ORGANIC SLUDGES</b> <i>Waste that is primarily organic with low-to-moderate inorganic solids content and water content; pumpable</i>	
W603	Oily sludge: not contaminated muds (W512)
W604	Paint or ink sludges, still bottoms in sludge form: not contaminated muds (W512)
W606	Resins, tars, polymer or tarry sludge: not contaminated muds (W512)
W609	Other organic sludge (specify in comments)

## MANAGEMENT METHOD CODES

<b>RECLAMATION AND RECOVERY</b>	
H010	Metals recovery including retorting, smelting, chemical, etc.
H020	Solvents recovery including distillation, extraction, etc.
H039	Other recovery or reclamation for reuse including acid regeneration, organics recovery, etc. (specify in comments)
H050	Energy recovery at this site– use as fuel: includes on-site fuel blending before energy recovery; report only this code.
H061	Fuel blending prior to energy recovery at another site: waste generated either on site or received from off site.
<b>DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE</b>	
H040	Incineration – thermal destruction other than use a fuel: includes any preparation prior to burning
H070	Chemical treatment (reduction/destruction/oxidation/precipitation); do not include immediate treatment in an exempt wastewater treatment unit with discharge to a NPDES-POTW.  <b>Use this code instead of H071,H073,H075,H076,H077</b>
H081	Biological treatment; do not include immediate treatment in an exempted wastewater treatment unit with discharge to a NPDES-POTW .
H100	Physical treatment only; adsorption/absorption/separation/stripping/dewatering; do not include immediate treatment in an exempted wastewater treatment unit with discharge to a NPDES-POTW.  <b>Use this code instead of H082, H083,H101,H103,H123,H124</b>
H110	Stabilization prior to land disposal at another site; encapsulation/stabilization/fixation.  <b>Use this code instead of H111, H112</b>
H120	Combination of chemical, biological, and/or physical treatment; do not include immediate treatment in an exempted wastewater treatment unit with discharge to a NPDES-POTW..
H121	Neutralization only: no other treatment
H122	Evaporation: as the major component of treatment; not reportable as H070, H100, or H120.
H129	Other treatment that does not include onsite disposal (specify in comments).
<b>DISPOSAL</b>	
H131	Land treatment or application: to include any prior treatment and/or stabilization
H132	Landfill or surface impoundment to be closed as a landfill: includes prior treatment and/or stabilization
H134	Deep well or underground injection: with or without treatment; this waste was counted as hazardous waste
H135	Discharge to sewer/POTW or NPDES : with prior storage – with or without treatment
<b>TRANSFER OFF-SITE</b>	
H141	The site receiving this waste stored/bulked and transferred the waste with no treatment or recovery, fuel blending , or disposal at that receiving site.

## WASTE MINIMIZATION CODES

X	No waste minimization efforts were attempted or implemented for this waste.
N	Waste minimization efforts were attempted but were economically or technically impracticable.  <i>Economic constraints or not economically feasible; technical limitations of manufacturing operations, problems preventing or halting efforts (e.g., concern of declined product quality); not appearing to be feasible due to regulatory issues (e.g., permitting requirements or burdens); lack of available technology, etc.</i>
A	Continued initiatives started in previous years to reduce quantity and/or toxicity of this waste.  <ul style="list-style-type: none"> <li>◆ Improved production/synthesis processes, e.g., increased efficiency in product usage/product formulation, used less toxic or non-hazardous ingredients, modified product composition, or implemented technology conversion.</li> <li>◆ Modified equipment, layout, and/or piping, e.g., longer auto bath analyzers, wastewater treatment system upgraded.</li> <li>◆ Undertook inventory control/waste management processes or safety/good operating practices, e.g., materials shelf-life control, clearinghouse for materials exchange, better labeling procedures, improved maintenance scheduling/record keeping/procedures, control production schedule to minimize equipment and feedstock changeovers, bulk systems that replace drums, improved storage, spill/leak/accident prevention, cleaning/degreasing, etc.</li> </ul>
B	Continued initiatives started in previous years to recycle the waste either onsite or offsite.  <i>The waste was used, reused, or reclaimed as a result of a change in the product formulation, product's chemical ingredients, or equipment; materials management process with a goal of sustainable use of materials, etc.</i>
C	Implemented new initiatives to reduce quantity and/or toxicity of this waste.  <ul style="list-style-type: none"> <li>◆ Improved production/synthesis processes, e.g., increased efficiency in product usage/product formulation, used less toxic or non-hazardous ingredients, modified product composition, or implemented technology conversion.</li> <li>◆ Modified equipment, layout, and/or piping, e.g., longer auto bath analyzers, wastewater treatment system upgraded.</li> <li>◆ Undertook inventory control/waste management processes or safety/good operating practices, e.g., materials shelf-life control, clearinghouse for materials exchange, better labeling procedures, improved maintenance scheduling/record keeping/procedures, control production schedule to minimize equipment and feedstock changeovers, bulk systems that replace drums, improved storage, spill/leak/accident prevention, cleaning/degreasing, etc.</li> </ul>
D	Implemented new initiatives to recycle the waste either on-site or off-site.  <i>The waste was used, reused, or reclaimed as a result of a change in the product formulation, product's chemical ingredients, or equipment; materials management process with a goal of sustainable use of materials, etc.</i>