

## INSTRUCTIONS FOR COMPLETING THE 2019 MONTANA BIENNIAL LARGE QUANTITY HAZARDOUS WASTE GENERATOR REPORT FORM

**IMPORTANT: READ ALL INSTRUCTIONS CAREFULLY BEFORE COMPLETING THE  
BIENNIAL HAZARDOUS WASTE REPORT FORM FOR 2019**



### GENERAL INSTRUCTIONS

#### Who Must File

You are required to file the 2019 Hazardous Waste Report if this site meets **ANY** of the following criteria:

- The site generated more than 100 kg (220 lbs.) of hazardous waste, in any single calendar month; **OR**
- The site *never* generated more than 100 kg (220 lbs.) in any month, but accumulated more than 1000 kg (2200 lbs.) of hazardous waste at any time during the year; **OR**
- The site generated in any calendar month, 1 kg (2.2 lbs.) or more of *acute* hazardous waste; **OR**
- The site generated or accumulated at any time more than 100 kg (220 lbs.) of spill cleanup materials contaminated with acute hazardous waste.
- The site accumulated at any time no more than 6,000 kg (13,200 lbs.) of hazardous waste.

The report, which covers hazardous waste activities for calendar year 2019, must be submitted to: Waste & Underground Tank Management Bureau, Hazardous Waste Program, no later than **March 1, 2020**. **You may be subject to enforcement action if you do not file by that date.**

#### What Must Be Reported

Administrative Rules of Montana (ARM) - ARM 17.53.603 requires any hazardous waste generated during calendar year 2019 (that was required to be accompanied by a completed Uniform Hazardous Waste Manifest, or equivalent documentation) be reported in the 2019 report. Additionally, any generator who treats, stores, or disposes of hazardous waste **on-site** must submit an annual report covering those wastes.

You need **not** report any wastes that are not regulated as hazardous under the Montana hazardous waste regulations, **even if manifested** (e.g., PCBs, asbestos, etc.)

Only wastes or portions of waste shipments that are regulated as either **characteristic** or **listed** hazardous wastes must be reported. The characteristic and listed wastes are identified in **Subparts C & D of 40 CFR Part 261**. They may be accessed at either of these websites:

U.S. EPA Laws & Regulations, Chapter I - Environmental Protection Agency, Subchapter I – Solid Waste, Parts 260-265. [https://www.ecfr.gov/cgi-bin/text-idx?SID=7da391442b23c5b648c03b881aec11da&mc=true&tpl=/ecfrbrowse/Title40/40cfrv28\\_02.tpl#0](https://www.ecfr.gov/cgi-bin/text-idx?SID=7da391442b23c5b648c03b881aec11da&mc=true&tpl=/ecfrbrowse/Title40/40cfrv28_02.tpl#0)

Or you may do a browse and search from the GPO Access Site - Code of Federal Regulations: Retrieve by CFR Citation <https://www.gpo.gov/fdsys/search/submitcitation.action?publicaction=CFR>

- Subpart C: **(DXXX)** § 261.24 Toxicity Characteristic.
- Subpart D **(FXXX)** § 261.31 Hazardous wastes from non-specific sources.
- Subpart D: **(KXXX)** § 261.32 Hazardous wastes from specific sources.
- Subpart D: **(PXXX)** and **(UXXX)** § 261.33 Discarded commercial chemical products, off-specification species, container residues, and spill residues thereof.

**NOTE: NOTE: If you do not meet the above large or small quantity generator criteria during 2019, you are not required to submit the entire report form. However, please complete Part 1 of the report and mail, FedEx or United Parcel Services or email it to:**

**Waste & Underground Tank Management Bureau  
Hazardous Waste Program  
P.O. Box 200901 – mail  
1520 East Sixth Ave – FedEx  
Helena, MT 59620-0901**

email: [DEQ Hazardous Waste Section \(deqhazwaste@mt.gov\)](mailto:deqhazwaste@mt.gov)

The State report form is located on the DEQ Hazardous Waste Program website at:

<http://deq.mt.gov/Land/HazWaste/hazformsreport>

To obtain assistance in filling out the report form, please contact DEQ Hazardous Waste Program at (406) 444-5300.

#### When and Where to File

# PART ONE – Generator Information

## I. REASON FOR SUBMITTAL

The box for the Component of the Hazardous Waste Report is already checked. Please read the check box below this and if this applies to your facility check this box.

If you are changing any information that has been pre-populated on this form, check the box by Provide Subsequent Notification (to update site information).

**2019 REGISTERED STATUS** - This is your current registration status during 2019. If you wish to change your status, please indicate new status in the comments section.

## II. EPA ID # / DEQ CONTACT

Verify your business' 12-character U.S. EPA identification (EPA ID) number.

Initials of DEQ Contact person: To obtain assistance in filling out the report forms, please contact your regional inspector.

INITIALS	NAME	TELEPHONE
A1	= Area 1	(406) 444-5300
JAW	= Judy A. Watkins	(406) 444-5852

## III. SITE NAME

Verify the name of your business.

## IV. CURRENT REGULATED WASTE ACTIVITIES

Please check all the boxes that are applicable for the types of regulated waste activities at your site as of the date submitting this form:

**LARGE GENERATOR** - If **ANY** of the following criteria was met during 2019 then the site was a Large Quantity Generator (LQG) for the 2019 reporting year:

- The site generated more than 1000 kg (2200 lbs.) of hazardous waste in any calendar month; **OR**
- The site generated in any calendar month, or accumulated at any time, 1 kg (2.2 lbs.) or more of acute hazardous waste; **OR**
- The site generated or accumulated at any time more than 100 kg (220 lbs.) of spill cleanup materials contaminated with acute hazardous waste.

**SMALL GENERATOR** - If **ANY** of the following criteria was met during 2019 then the site was a Small Quantity Generator (SQG) for the 2019 reporting year:

- The site generated more than 100 kg (220 lbs.), but no more than 1000 kg (2200 lbs.) of hazardous waste, in any single calendar month; **OR**
- The site *never* generated more than 100 kg (220 lbs.) in any month, but *accumulated* more than 1000 kg (2200 lbs.) of hazardous waste at any time during the year.

**CONDITIONALLY EXEMPT GENERATOR** - A site is a conditionally exempt generator if, within **EACH** calendar month:

- The site generated no more than 100 kg. (220 lbs.) of hazardous waste, **or** no more than 1 kg. (2.2 lbs.) of acute hazardous waste, **or** no more than 100 kg. (220 lbs.) of material from the cleanup of a spillage of acutely hazardous wastes; **OR**
- The site accumulated no more than 1,000 kg. (2200 lbs.) of hazardous waste, **or** no more than 1 kg. (2.2 lbs.) of acute hazardous waste, **or** no more than 100 kg. (220 lbs.) of material from the cleanup of a spillage of acutely hazardous wastes.

**SHORT TERM/ONE-TIME** - The activity at the site was a one-time, non-recurring, temporary event or short term from a particular activity for a limited time and then ceased conducting that activity. Example: Spill Cleanup.

**IMPORTER OF HAZARDOUS WASTE** – You import hazardous waste from a foreign country into the United States.

**MIXED WASTE GENERATOR** – You generate mixed waste (waste that is both hazardous and radioactive).

**HAZARDOUS WASTE TRANSPORTER** – You transport hazardous waste within the United States.

**TRANSFER FACILITY** – You are a hazardous waste transfer facility if you hold manifested waste for a period of ten (10) days or less while the waste is in transit.

**TREATER, STORER, OR DISPOSER OF HAZARDOUS WASTE** – You treat, store, or dispose of hazardous waste. **Note: A Part B Permit is required for this activity.**

**RECYCLER OF HAZARDOUS WASTE** – You recycle regulated hazardous waste (recyclable materials).

**SMALL QUANTITY ON-SITE BURNER EXEMPTION** – You burn small quantities of hazardous waste in an on-site boiler or industrial furnace.

**SMELTING, MELTING, AND REFINING FURNACE EXEMPTION** – You process hazardous wastes in a smelting, melting, or refining furnace solely for metals recovery or to recover economically significant amounts of precious metals or you process hazardous wastes in a lead recover furnace to recover lead.

**UNDERGROUND INJECTION CONTROL** – You generate, treat, store, or dispose of hazardous waste and place the waste into an underground injection well located at your site.

**RECEIVES HAZARDOUS WASTE FROM OFF-SITE** – You receive hazardous waste from another site, whether this was a commercial transaction or waste received from a restricted group of off-site generators.

**LARGE QUANTITY HANDLER OF UNIVERSAL WASTE** – You accumulate a total of 5,000 kg or more of universal wastes (batteries, pesticides, mercury-containing equipment, or lamps – calculated collectively) at any time. Check which types of waste are managed at your site.

**DESTINATION FACILITY FOR UNIVERSAL WASTE** – You treat, dispose, or recycle universal wastes on-site. A permit is required if you treat or dispose of universal wastes; a permit may be required if you recycle universal wastes.

**USED OIL TRANSPORTER** – You transport used oil within the United States.

**USED OIL TRANSFER FACILITY** – You own or operate a used oil transfer facility.

**USED OIL PROCESSOR** – You process used oil.

**USED OIL RE-REFINER** – You produce lubricating oils and greases, industrial fuel, asphalt extender, gasoline, and other products from on- or off-specification used oil.

**OFF-SPECIFICATION USED OIL BURNER** – You burn off-specification used oil fuel.

**MARKETER WHO DIRECTS SHIPMENT OF OFF-SPECIFICATION USED OIL TO OFF-SPECIFICATION USED OIL BURNERS** – You are a marketer who directs shipment of off-specification used oil to off-specification used oil burners.

**MARKETER WHO FIRST CLAIMS THE USED OIL MEETS THE SPECIFICATION** – You are the first to claim the used oil meets the used oil specification.

#### **V. LAND TYPE**

Check only one box that best describes the land type of your site. If your site could be described as Municipal and another type such as County, District, or Tribal do not check Municipal but the other appropriate type.

#### **VI. NAICS**

Verify the North American Industry Classification System (NAICS) code(s) or enter the code(s) that best describes your site's primary and other business production processes for your products or services. For a listing of NAICS codes see the NAICS website is: <http://www.census.gov/eos/www/naics/>. **Only 2012 codes are acceptable.**

#### **VII. SITE LOCATION ADDRESS**

Verify the address, city, state, and zip for the physical location of your site. **Do not use a Post Office Box or mailing address.**

#### **VIII. SITE MAILING ADDRESS**

Verify the mailing address, city, state, and zip for your site.

#### **IX. SITE CONTACT & ALTERNATE CONTACT PERSONS**

Verify the name, title, telephone, extension, mailing address (address, city, state, zip), facsimile number, and email for the individual (site contact) who should be contacted regarding the information submitted in the EPA Form 8700-12, RCRA Subtitle C Site Identification Form. If the person completing the Hazardous Waste Report is not the primary site RCRA hazardous waste contact, enter them in XII. Comments.

Verify the name, title, telephone number, extension, and email address of whom we may contact if the Contact person is not available.

#### **X. SITE LEGAL OWNER**

Verify or provide all of the site's legal owner(s) name, type, mailing address (address city, state, zip), telephone number, and date (MM/DD/YYYY) they become the owner. **Owner** is the person who owns the site or part of the site including **building(s) and/or land**. Please identify by owner type, i.e. site, land, building. A person is defined as an individual, trust, firm, joint stock company, Federal Agency, corporation (including a government corporation), partnership, association, State, municipality, commission, political subdivision of a State, or any interstate body. Use item XII. Comments to list any additional owner(s).

#### **XI. OPERATOR**

Verify or provide all the site's operator(s) name, type, and date (MM/DD/YYYY) they became the operator. The operator is the person responsible for the overall operation of your site. This is the legal entity which controls the site operation rather than the plant or site manager. This is usually a company or business name, but could be an individual. See definition of Person under X. Site Legal Owner. Use item XII. Comments to list any additional operators.

#### **XII. COMMENTS**

Use this item to provide additional information for Items I-XI. Include the item number for each comment you make.

#### **XIII. CERTIFICATION**

1. Type or print the name and title of the owner or operator of the facility or an authorized representative and date signed.
2. Signature:
  - a. Electronic Submittal: insert an electronic signature or type the name
  - b. Hard Copy by Mail or Delivery: print the report and sign.

## PART TWO – Waste Identification

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In general, **each** generated RCRA hazardous waste that is used to determine the site's generator status should be reported in Part Two.

See Appendix A for examples of waste to be reported and materials and waste not to be reported.

Refer to Appendix B, Excluded Wastes for a partial list of excluded or exempted materials and wastes.

Refer to Appendix C, Special Instructions for reporting lab packs, asbestos, PCBs, waste oils, groundwater contaminated by hazardous waste, RCRA-radioactive mixed wastes, and laboratory clean-out wastes.

For further information, reference the EPA document Biennial Report: Reportable and Non-Reportable Wastes located at:

<http://www.epa.gov/epawaste/inforesources/data/biennialreport/reportable.pdf>.

Complete Part Two if the site generated hazardous waste that was accumulated on-site, managed on-site in a treatment, storage, or disposal unit; shipped off-site for management; and/or imported from a foreign country.

### Documents Helpful in Filling out the Form

- Hazardous waste manifests
- Hazardous waste report forms submitted in previous years
- Records of quantities of hazardous waste generated or accumulated on-site
- Results of laboratory analyses of your waste
- Contracts or agreements with off-site facilities managing your wastes; and
- Copies of permits for on-site waste management systems.

**Note:** If a waste was generated and shipped out-of-country, **DO NOT** include it in Part Two. Complete the Annual Hazardous Waste (HW) Report for Exports of HW to a Foreign Country per 40 CFR 262.56. A sample report template with information is on the HW Program's website at

<http://deq.mt.gov/Land/HazWaste/hazformsreport>

### **Line #:**

A separate line entry is required for each different waste or waste mixture that was shipped to a facility identified in Column I (Receiving Facility).

A single copy of Part Two is included. Make as many copies as needed to complete your Hazardous Waste Report and submit the completed Page(s) with the original report form.

Additional Montana 2019 Instructions and Biennial Large Quantity Hazardous Waste Generator Report Forms can be located on the DEQ, Hazardous Waste Program,

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Forms, Reporting website at:

<http://deq.mt.gov/Land/HazWaste/hazformsreport>

Enter a consecutive Line number starting with 2 for each different waste or waste mixture. Part One is page 1 (even though it is on two pages).

### **Column A – Is this Remediation Waste?**

If the waste stream being reported is a remediation waste stream (hazardous waste, debris, and media, including ground water, surface water, soils, and sediments that are managed for implementing cleanup or as a result of final closure of the entire facility) then check the box in this column to signify 'Yes.'

### **Column B - Description of Waste**

Supply the name or description of the waste (general type, source, type of hazard, and generic chemical name or primary hazardous waste constituents – example: Ignitable spent solvent from degreasing operation in tool production; mixture of mineral spirits and kerosene). Typically, that information is obtained from the hazardous waste shipping documents. Alternatively, it may be obtained from Subparts C & D of 40 CFR Part 261.

### **Column C - EPA Hazardous Waste Codes**

The EPA hazardous waste code is a four-unit code made up of a single alphabetic prefix (D, F, K, P, U) followed by a three-digit number. That number may be found on hazardous waste shipping documents or in Subparts C & D of 40 CFR Part 261. If more space is needed to record waste codes, list remaining codes in Comments and cross-reference to the appropriate line number. See Appendix D for the list of EPA hazardous waste codes.

### **Column D – Source Code and Management Method Code for Source Code G25**

Enter the Source Code that best describes how the hazardous waste reported in Column B originated. Only enter the Source Code for the hazardous waste portion of the waste.

Please review your previous cycle's source and management method codes to see if they are still applicable. If applicable, use those same codes for consistency.

If reporting Source Code G25, also enter a Management Method Code, except Code H141.

If entering Source Code G61, the generation amount must be zero (0).

See Appendix E for a list of Source Codes and Appendix G for a list of Management Method Codes.

### Column E – Form Code

Enter the Form Code that best corresponds to the physical form or chemical composition of the hazardous waste reported in Column A.

Please review your previous cycle’s form codes to see if they are still applicable. If applicable, use those same codes for consistency.

See Appendix F for a list of Form Codes.

### Column F - Quantity Generated

Enter the total amount of waste or waste mixture generated, as described in Column B.

*If you generate the same waste stream several times during the year and **do not** ship it, it should be a one line entry with the total quantity generated for all of 2019 and enter ‘0’ in Column L (Quantity Shipped).*

*If you generate the same waste stream several times during the year and ship some or all of it, see instructions for Column L (Quantity Shipped).*

### Column G - Unit of Measure/Density

Enter the unit of measure code for the quantity of waste described in Column B. Units of measure, which must be used in this report and appropriate codes, are:

UNIT OF MEASURE	CODE
Pounds	P
Tons (2,000 lbs)	T
*Gallons	G
*Cubic Yards	Y

NOTE: \* If this code is used, you must provide the density (rounded off to the nearest tenth) for each waste by line number. Include the density and check the applicable box (pounds per gallon or specific gravity).

### Column H – Waste Minimization Code

For each waste stream reported in Column B, enter the code (listed below) that best corresponds to the waste minimization, recycling, or pollution prevention efforts implemented.

- A Continued to reduced quantity and/or toxicity of waste
- B Continued to recycle waste
- C Implemented new efforts to reduce quantity and/or toxicity of waste
- D Implemented new efforts to recycle waste
- N Efforts are economically or technically impracticable
- X No waste efforts implemented

### Column I - On-Site Process

If waste was generated and treated, disposed, and/or recycled on-site, enter the Management Method Code to classify the process system that best identifies the final substantive purpose/operation it performs on-site and the quantity. Enter the quantity in the same unit of measure reported in Column G.

Space is provided for the second on-site process system. Use only when: a waste is managed in one process system for a part of a year and in another process system for the rest of the year; or a waste is managed by two different process systems at the same time. If more than two on-site process systems meet one of the above conditions, use another line to report the remaining on-site processes.

Do not use Column I On-Site Process to report the following: the on-site management of the treatment residual generated from management of the waste by the first management method (on-site management of treatment residuals should be reported on a separate line); or to report treatment in a series of process units [refers to a single type of treatment (e.g., tank, distillation column, surface impoundment) in which hazardous waste is treated, disposed, or recycled]. Report only process systems, not process units.

See Appendix G for a list of Management Method Codes.

### Column J – Receiving Facility

Do not report waste shipped via transfer facility or shipments of de-characterized wastes.

Space is provided to report shipments of the waste to three different off-site facilities. Enter the 12-digit EPA Identification Number. If hazardous waste was shipped to a foreign country, do not record on Part Two, but complete the Annual Hazardous Waste (HW) Report for Exports of HW to a Foreign Country report and submit a copy with this report.

### Column K – Off-site Management Method Code

Enter the Management Method Code that best describes the way in which the waste was managed at the initial receiving facility.

Please review your previous cycle’s management method codes to see if they are still applicable. If applicable, use those same codes for consistency.

See Appendix G for a list of Management Method Codes.

## Column L - Quantity Shipped

Enter the total quantity of waste shipped **off-site** to each receiving facility (identified in Column J) during 2019. Report in the same unit of measure as stated in Column G. (These shipment quantities should equal the total quantity recorded on the hazardous waste shipping documents).

### **Multiple Shipments to Same Receiving Facility by Same First Transporter**

*If you had several shipments of the same waste stream during the year and it was sent to the same receiving facility by the same first transporter (listed as Transporter 1 on the shipping documents), you should not report them separately, but as a one line entry with the total quantity generated and shipped for all of 2019.*

### **Multiple Shipments to Same Receiving Facility by Multiple First Transporters**

*If you had several shipments of the same waste stream during the year and it was sent to the same receiving facility by multiple first transporters (listed as Transporter 1 on the shipping documents), you should not report them separately, but as a one line entry with the total quantity generated and shipped for all of 2019 and breakdown the amount transported by each Transporter 1 in the Comments section.*

### **Multiple Shipments to Multiple Receiving Facilities**

*If you had several shipments of the same waste stream during the year and it was sent to multiple receiving facilities, on one line enter the total quantity generated for all of 2019 in Column E and breakdown the quantity shipped to each receiving facility noted in Column I.*

### **Comments section:**

This space may be used to explain, clarify, or continue any entry. If used, enter a cross-reference to the appropriate line number. If additional space is required for comments, use a separate sheet of paper and place the generator's name and EPA ID number at the top of the page.

Additional information on the hazardous waste program requirements may be accessed online at:

<http://deq.mt.gov/Land/HazWaste/hazGenReq>

## PART THREE – Waste Received From Off-Site

Part Three identifies hazardous wastes that were received from other hazardous waste sites and the method(s) used to manage them.

Hazardous wastes from the same off-site handler may be aggregated as long as a single form code describes the physical form or chemical composition, and all of the waste is managed in a single process system (i.e., same management method code).

### Line #:

A separate line entry is required for each different waste received.

A single copy of Part Three is included. Make as many copies of Part Three as needed to complete your Hazardous Waste Report and submit the completed Page(s) with the original report form.

Additional Montana 2019 Instructions and Biennial Large Quantity Hazardous Waste Generator Report Forms can be located on the DEQ, Hazardous Waste Program, Forms, Reporting website at:

<http://deq.mt.gov/Land/HazWaste/hazformsreport>

Enter a consecutive Line number starting with 1 for each different waste or waste mixture.

### Column A – Description of Waste

Supply the name or description of the waste (general type, source, type of hazard, and generic chemical name or primary hazardous waste constituents – example: Ignitable spent solvent from degreasing operation in tool production; mixture of mineral spirits and kerosene). Typically, that information is obtained from the hazardous waste shipping documents. Alternatively, it may be obtained from Subparts C & D of 40 CFR Part 261.

### Column B - EPA Hazardous Waste Codes

The EPA hazardous waste code is a four-unit code made up of a single alphabetic prefix (D, F, K, P, U) followed by a three-digit number. That number may be found on hazardous waste shipping documents or in Subparts C & D of 40 CFR Part 261. If more space is needed to record waste codes, list remaining codes in Comments and cross-reference to the appropriate line number. See Appendix D.

### Column C – Off-site Handler EPA Identification Number

Enter the 12-digit EPA Identification Number of the off-site handler from which the waste was received.

If the site does not have an EPA Identification Number, it  
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may be a CESQG or foreign country. Refer to the Special Instructions, Appendix C, for instructions on how to complete Column C for these off-site handlers.

### Column D - Quantity Received in 2019

Enter the total amount of waste received in 2019, as described in Column A, that was received from the off-site handler reported in Column C.

### Column E - Unit of Measure/Density

Enter the unit of measure code for the quantity of waste described in Column A. Units of measure, which must be used in this report and appropriate codes, are:

UNIT OF MEASURE	CODE
Pounds	P
Tons (2,000 lbs)	T
*Gallons	G
*Cubic Yards	Y

NOTE: \* If this code is used, you must provide the density (rounded off to the nearest tenth) for each waste by line number. Include the density and check the applicable box (pounds per gallon or specific gravity).

### Column F – Form Code

Enter the Form Code that best corresponds to the physical form or chemical composition of the hazardous waste reported in Column A.

See Appendix F for a list of Form Codes.

### Column G – Management Method Code

Enter the Management Method Code that best describes the type of process system in which the waste was managed.

See Appendix G for a list of Management Method Codes.

### Comments

Use this section as needed to explain anything contained in Part Three. If used, enter a cross-reference to the appropriate line number.

# Appendix A

## Reportable and Not Reportable Wastes

### Examples of Reportable Waste:

- Generated on-site from a production process, service activity, or routine cleanup.
- Generated from equipment decommissioning, spill cleanup, or remedial cleanup activity.
- Removed from on-site storage.
- Derived from the management of non-hazardous waste.
- Derived from the on-site treatment (including reclamation), disposal, or recycling of previously existing hazardous waste (as a residual).
- Shipped off-site, including hazardous waste that was received from off-site (reported on the Part Three form) and subsequently shipped off-site without being treated or recycled on-site.
- Radioactive (source, special nuclear, or by-product material) wastes mixed with RCRA hazardous wastes should also be reported; be sure to mark "Yes" on Part One, Mixed Waste Generator. See special instructions regarding this waste.
- Hazardous wastes regulated only by your State should be reported if required by your State.

### Non-Reportable Waste:

- Materials which are excluded from being a solid waste, e.g., any mixture of domestic sewage and other wastes that passes through a sewer system to a publicly owned treatment works (unless they are stored or treated in regulated units prior to being discharged). (40 CFR 261.4(a))
- Solid wastes that are excluded from being hazardous waste, e.g., petroleum-contaminated media and debris that fail the test for the toxicity characteristic (waste codes D018 through D043 only) and are subject to the corrective action regulations under 40 CFR Part 280. (40 CFR 261.4(b))
- Waste exempt from regulation because the waste has not exited the raw material storage or production unit yet, as specified in 261.4(c). (40 CFR 261.5(c)(1))
- Hazardous waste that has been collected as a sample(s) for the purpose of determining its characteristic or composition, as specified in 261.4(d). (40 CFR 261.5(c)(1))
- Sample(s) undergoing treatability studies, as specified in 261.4(e). (40 CFR 261.5(c)(1))
- Sample(s) undergoing treatability studies at the laboratory or testing facility, as specified in 261.4(f). (40 CFR 261.5(c)(1))
- Hazardous waste that is a specified recyclable material such as ethyl alcohol or scrap metal, as specified in 261.6(a)(3). (40 CFR 261.5(c)(1))
- A residue of hazardous waste in an empty container or in an inner liner removed from an empty container, as specified in 261.7(a)(1). (40 CFR 261.5(c)(1))
- PCB wastes regulated under the Toxic Substance Control Act, as specified in 261.8, unless mixed with a hazardous waste. (40 CFR 261.5(c)(1))
- Wastes managed immediately upon generation only in on-site elementary neutralization units, wastewater treatment units, or totally enclosed treatment facilities as defined in 40 CFR 260.10. (40 CFR 261.5(c)(2)) Any hazardous waste residues generated from these units, however, must be reported.
- Wastes recycled, without prior storage, only in an on-site process subject to regulation under 40 CFR 261.6(c)(2). (40 CFR 261.5(c)(3)) Any hazardous waste residues generated from these units, however, must be reported.
- Used oil that is recycled and is also a hazardous waste solely because it exhibits a hazardous waste characteristic and is managed under 40 CFR Part 279. (40 CFR 261.5(c)(4))
- Spent lead-acid batteries managed under the requirements of 40 CFR Part 266, Subpart G, which includes persons who reclaim spent lead-acid batteries that are recyclable materials; persons who generate, transport, or collect spent batteries; persons who regenerate spent batteries; or persons who store them (other than spent batteries that are to be regenerated). (40 CFR 261.5(c)(5)) Any hazardous wastes generated during battery reclamation, however, must be reported.
- Universal wastes managed under 40 CFR 261.9 and 40 CFR Part 273. (40 CFR 261.5(c)(6)) Any hazardous waste residues generated from these units, however, must be reported.
- Unless required by your state, hazardous wastes that were, during 2011, all exported directly out of the United States to a foreign country. An Annual Report must be filed in this case as required under 40 CFR 262.56.

# Appendix B

## Excluded Wastes

This section presents a partial list of excluded materials and wastes. This list includes materials excluded from the definition of solid waste in 40 CFR 261.4(a) and solid wastes excluded from the definition of hazardous waste in 40 CFR 261.4(b). In addition, it also includes specific solid waste samples that are excluded from the definition of hazardous waste in 40 CFR 261.4(d)-(f). Finally, this list includes specific hazardous wastes, as described in 40 CFR 261.4(c), that are exempted from certain RCRA Subtitle C regulations.

### **Agricultural Waste Fertilizer**

§261.4(b)(2)

### **Analytical Samples**

§261.4(d)

### **Arsenic Treated Wood and Wood Products**

§261.4(b)(9)

### **Cement Kiln Dust**

§261.4(b)(8)

### **Coking By-products**

§261.4(a)(10)

### **Comparable/Syn gas Fuels**

§261.4(a)(16)

### **Domestic Sewage**

§261.4(a)(1)

### **Dredged Material**

§261.4(g)

### **Drilling Fluid**

§261.4(b)(5)

### **Excluded Scrap Metal Being Recycled**

§261.4(a)(13)

### **Exported Wastes**

§262.56

### **Fossil Fuel Emission Control Waste**

§261.4(b)(4)

### **Hazardous Secondary Material Generated and Reclaimed Under the Control of the Generator**

40 CFR 261.2(a)(2)(ii)

40 CFR 261.4(a)(23)

### **Hazardous Secondary Material Transferred Off-site for Reclamation**

40 CFR 261.4(a)(24)

40 CFR 261.4(a)(25)

### **Household Waste**

§261.4(b)(1)(i)-(ii)

### **HTMR Condenser Residue**

§261.4(a)(11)

### **In situ Mining Materials**

§261.4(a)(5)

### **Irrigation Return Flows**

§261.4(a)(3)

### **Kraft Mill Steam Stripper Condensates**

§261.4(a)(15)

### **Leachate**

§261.4(b)(15)

### **Mining and Mineral Process Wastes**

§261.4(b)(7)

### **Mining Overburden**

§261.4(b)(3)

### **Nuclear Material**

§261.4(a)(4)

### **Oil Filters**

§261.4(b)(13)

### **Petrochemical Recovered Oil**

§261.4(a)(18)

### **Petroleum-contaminated Media and Debris**

§261.4(b)(10)

### **Petroleum Refining**

§261.4(a)(12)

### **Pulping Liquor**

§261.4(a)(6)

### **Refrigerants**

§261.4(b)(12)

### **Secondary Material Returned to Original Process**

§261.4(a)(8)

### **Secondary Material from Mineral Processing**

§261.4(a)(17)

### **Shredded Circuit Boards Being Recycled**

§261.4(a)(14)

### **Spent Caustics from Petroleum Refining**

§261.4(a)(19)

### **Spent Wood Preserving Solutions and Wastewaters**

§261.4(a)(9)

### **Sulfuric Acid**

§261.4(a)(7)

### **Treatability Study Samples**

§261.4(e)

### **Treatability Studies at Laboratories and Testing Facilities**

§261.4(f)

### **Trivalent Chromium Waste**

§261.4(b)(6)

### **Used Oil Distillation Bottoms**

§261.4(b)(14)

### **Wastes Generated in Storage Tanks, Transport Vehicles, Pipelines, or Manufacturing Process Units**

§261.4(c)

### **Wastewater Point Source Discharge**

§261.4(a)(2)

# Appendix C

## Special Instructions

These instructions explain how to complete the 2019 Hazardous Waste Report for wastes and sites with unique regulatory or reporting requirements.

### Asbestos, PCBs, Waste Oils

In most cases, **do not** report asbestos, PCBs, and waste oils. However, you **must** report them **if any** of the following conditions exist:

- (1) If your State specifically requires that these wastes be reported;
- (2) If a listed RCRA hazardous waste (i.e., EPA hazardous waste code that begins with “F”, “K”, “P”, or “U”) is mixed with asbestos, PCBs, or waste oil, in which case the entire mixture is a hazardous waste; or
- (3) If the waste possesses one or more of the characteristics that result in assigning EPA hazardous waste code beginning with “D”. (This does not apply to used oil that is recycled as explained below.)

**Do not** report “used oil that is recycled and is also a hazardous waste solely because it exhibits a hazardous characteristic (criterion 3 above). Used oil that is recycled includes any used oil which is reused, following its original use, for any purpose (including the purpose for which the oil was originally used). Such term includes, but is not limited to, oil which is re-refined, reclaimed, burned for energy recovery, or reprocessed.” (40 CFR 261.6(a)(4))

### Groundwater Contaminated by Hazardous Waste

Groundwater contaminated by RCRA hazardous waste **is** not considered a solid waste and is, therefore, not classified as a hazardous waste. However, because hazardous waste is “contained in” the groundwater, it must be treated “as if” it were a RCRA hazardous waste if it is removed for treatment, storage or disposal.<sup>1</sup> When reporting groundwater contaminated by hazardous waste in the 2019 Hazardous waste Report, observe the following conventions:

- (1) Enter “0” in Part Two Form, Column F (quantity). Explain in the Comments section that it is groundwater, not a hazardous waste that was generated on-site.
- (2) Report quantities managed on-site (Part Two Form, Column I, On-site Process Systems 1 and 2); quantities shipped off-site for management (Part Two Form, Column J, K, & L); and quantities received from off-site and managed on-site (Part Three Form, Column D)

<sup>1</sup> To determine if the contaminated media must be reported at all (generated OR treated): If the contamination is due to a characteristic waste, then it is the generator’s responsibility to determine if the contaminated groundwater is a hazardous waste. Once the characteristics are eliminated, the media is no longer considered to “contain” hazardous waste. If a facility has first removed groundwater and is claiming that the groundwater is contaminated with a listed hazardous waste or “contains” listed hazardous waste, EPA Regions or Authorized States should make a site-specific determination of whether the media is a RCRA Waste. Please see: “Management of Remediation Waste Under RCRA,” EPA530-F-98-026, October 14, 1998. RCRA Online Document No. 14291. Available online at: <http://yosemite.epa.gov/osw/rcra.nsf/0c994248c239947e85256d090071175f/d9e61a0505db4b6885256817006e32b8!OpenDocument>.

## Lab Packs

The following rules apply to the reporting of lab pack wastes in the 2019 Hazardous Waste Report:

(1) You may aggregate lab pack wastes if they have the same Form Code. However, you must report them as separate wastes under the following conditions:

If they contain **RCRA acute hazardous wastes** (i.e., EPA hazardous waste codes F020, F021, F022, F023, F026, F027, and all "P" waste codes). Report separately from lab packs containing other RCRA hazardous wastes (all other EPA hazardous waste codes).

If they are managed differently from each other. For example, report lab packs shipped to landfills separately from those incinerated.

(2) Enter a Form Code indicating lab packs (i.e., W001 or W004) on the Part Two Form, Column E or on the Part Three Form in Column F. These Form Codes are to be used with any lab pack, whether the wastes are gaseous, liquid, solid, or sludge.

(3) It is **not** necessary to report every EPA hazardous waste code included in a batch of lab packs. Record one, or a few predominant, EPA hazardous waste codes in Column C of Part Two Form, or Column B of Part Three Form. If there are many EPA hazardous waste codes associated with the batch of lab packs, enter "LABP" in the first four-character field in Column C of Part Two Form, or Column B of Part Three Form; then enter "NA" in the remaining spaces for the EPA hazardous waste codes.

(4) When reporting quantities for lab packs:

**Include** the weight of the containers if they are disposed (e.g., landfilled) or treated (e.g., incinerated) with the waste.

**Exclude** the weight of the containers if the waste is removed from the containers before treatment or disposal.

## RCRA-Radioactive Mixed Wastes

By themselves, source material, special nuclear material, or byproduct materials, as defined by the Atomic Energy Act of 1954 and amended by 42 U.S.C. 2011 et. Seq., are not classified as hazardous wastes under RCRA. However, if these materials are mixed with a RCRA hazardous waste, the material is controlled under RCRA regulation, as well as under the Atomic Energy Act (DOE, NRC, and EPA) regulations, and is to be reported in the 2012 Hazardous Waste Report.

## Subpart K Laboratory Waste Clean-out

A Subpart K laboratory clean-out conducted in accordance with 40 CFR 262.213(a), is defined as: once per 12 months per laboratory, a laboratory will have 30 days to conduct a clean-out and will not have to count the hazardous waste that consists of unused commercial chemical products (either listed or characteristic) generated during those 30 days towards the eligible academic entity's generator status for the purposes of onsite accumulation. See 40 CFR 262.213(a)(1-4) for other Subpart K laboratory clean-out requirements.

The waste generated from this clean-out should be reported on the Part Two Form, Column D with a source code of "G17 – Subpart K Laboratory Waste Clean-out" with a generation amount of zero (0) (Column F). The amount shipped off-site or managed on-site will be reported in Columns I, J, K, & L of Part Two Form as appropriate.

Laboratory waste that is generated during routine operations (e.g., spent solvents or spent acids/bases) should be reported separately from Subpart K laboratory clean-out wastes. Routinely generated laboratory waste should be reported with source code(s) other than G17.

### **Wastes Received from Conditionally Exempt Small Quantity Generators (CESQGs)**

Waste management facilities sometimes receive hazardous waste from large numbers of Conditionally Exempt Small Quantity Generators (CESQGs) or other sites that do not have RCRA EPA Identification Numbers. To minimize the response burden for filling out the **Part Three Form** for these wastes, you may aggregate the wastes across generating sites, in accordance with these guidelines:

(1) All the wastes must have the same EPA hazardous waste code (Column B), Form code (Column F), and Management Method code (Column G).

(2) Wastes received from different States must be reported separately. For the off-site handler EPA Identification Number (Column C), the entry should include the two-letter postal code of the originating State, followed by the letters "CESQG".

For example, wastes received from several CESQGs in the State of Alaska (AK) that share a common EPA hazardous waste code, State hazardous waste code, Form code, and Management Method code could be aggregated in a single waste block of the Part Three Form (e.g., Waste 1). In Column C, the off-site handler EPA ID number is entered as "AKCESQG". Note: This method of completing Column C can also be used for CESQG waste that is not aggregated.

### **Wastes Received from Foreign Countries**

**Reporting on Part Two Form** – If your site was the generator of record and was the U.S. Importer for hazardous waste received from a foreign country (other than a foreign Department of Defense site, Maquiladora, U.S. territory or protectorate), complete Part Two Form. Enter the appropriate code in Column D – Source Code from the list of codes G63 through G75 – Hazardous waste received from [name of foreign country]. Include the Import Notification and other foreign generator information in the Comments. Also, mark "Yes" on the Part One Form, United States Importer of Hazardous Waste.

**Report on the Part Three Form** – If your site received hazardous waste directly from a generator in a foreign country (other than a foreign Department of Defense site, Maquiladora, U.S. territory or protectorate), complete a Part Three Form for the waste treated, recovered, or disposed at your site. This waste was not shipped to your site by a U.S. Importer. Report the code "**FC**" followed by the **name of the foreign country** in Column C – Off-site Handler EPA ID number. Include the Import Notification and other foreign generator information in the Comments.

# Appendix D

## EPA Hazardous Waste Codes

A list of all the hazardous waste codes is shown below. See the regulations for details.

**CHARACTERISTICS OF HAZARDOUS WASTE** (SEE 40 CFR 261.24) – DXXX

**HAZARDOUS WASTE FROM NON-SPECIFIC SOURCES** (SEE 40 CFR 261.31) – FXXX

**HAZARDOUS WASTE FROM SPECIFIC SOURCES** (SEE 40 CFR 261.32) - KXXX

**DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUALS, AND SPILL RESIDUES THEREOF – ACUTE HAZARDOUS WASTE** (SEE 40 CFR 261.33) – PXXX

**DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUES, AND SPILL RESIDUES THEREOF – TOXIC WASTES** (SEE 40 CFR 261.33) – UXXX

D001			K043	K113	LABP	P043	P096		U037	U083	U128	U172	U220
D002	F001		K044	K114		P044	P097		U038	U084	U129	U173	U221
D003	F002	K001	K045	K115		P045	P098		U039	U085	U130	U174	U222
D004	F003	K002	K046	K116		P046	P099		U041	U086	U131	U176	U223
D005	F004	K003	K047	K117		P047	P101		U042	U087	U132	U177	U225
D006	F005	K004	K048	K118	P001	P048	P102		U043	U088	U133	U178	U226
D007	F006	K005	K049	K123	P002	P049	P103		U044	U089	U134	U179	U227
D008	F007	K006	K050	K124	P003	P050	P104		U045	U090	U135	U180	U228
D009	F008	K007	K051	K125	P004	P051	P105	U001	U046	U091	U136	U181	U234
D010	F009	K008	K052	K126	P005	P054	P106	U002	U047	U092	U137	U182	U235
D011	F010	K009	K060	K131	P006	P056	P108	U003	U048	U093	U138	U183	U236
D012	F011	K010	K061	K132	P007	P057	P109	U004	U049	U094	U140	U184	U237
D013	F012	K011	K062	K136	P008	P058	P110	U005	U050	U095	U141	U185	U238
D014	F019	K013	K069	K141	P009	P059	P111	U006	U051	U096	U142	U186	U239
D015	F020	K014	K071	K142	P010	P060	P112	U007	U052	U097	U143	U187	U240
D016	F021	K015	K073	K143	P011	P062	P113	U008	U053	U098	U144	U188	U243
D017	F022	K016	K083	K144	P012	P063	P114	U009	U055	U099	U145	U189	U244
D018	F023	K017	K084	K145	P013	P064	P115	U010	U056	U101	U146	U190	U246
D019	F024	K018	K085	K147	P014	P065	P116	U011	U057	U102	U147	U191	U247
D020	F025	K019	K086	K148	P015	P066	P118	U012	U058	U103	U148	U192	U248
D021	F026	K020	K087	K149	P016	P067	P119	U014	U059	U105	U149	U193	U249
D022	F027	K021	K088	K150	P017	P068	P120	U015	U060	U106	U150	U194	U271
D023	F028	K022	K093	K151	P018	P069	P121	U016	U061	U107	U151	U196	U278
D024	F032	K023	K094	K156	P020	P070	P122	U017	U062	U108	U152	U197	U279
D025	F034	K024	K095	K157	P021	P071	P123	U018	U063	U109	U153	U200	U280
D026	F035	K025	K096	K158	P022	P072	P127	U019	U064	U110	U154	U201	U328
D027	F037	K026	K097	K159	P023	P073	P128	U020	U066	U111	U155	U202	U353
D028	F038	K027	K098	K161	P024	P074	P185	U021	U067	U112	U156	U203	U359
D029	F039	K028	K099	K169	P026	P075	P188	U022	U068	U113	U157	U204	U364
D030		K029	K100	K170	P027	P076	P189	U023	U069	U114	U158	U205	U367
D031		K030	K100	K171	P028	P077	P190	U024	U070	U115	U159	U206	U372
D032		K031	K101	K172	P029	P078	P191	U025	U071	U116	U160	U207	U373
D033		K032	K102	K174	P030	P081	P192	U026	U072	U117	U161	U208	U387
D034		K033	K103	K175	P031	P082	P194	U027	U073	U118	U162	U209	U389
D035		K034	K104	K176	P033	P084	P196	U028	U074	U119	U163	U210	U394
D036		K035	K105	K177	P034	P085	P197	U029	U075	U120	U164	U211	U395
D037		K036	K106	K178	P036	P087	P198	U030	U076	U121	U165	U213	U404
D038		K037	K107	K181	P037	P088	P199	U031	U077	U122	U166	U214	U409
D039		K038	K108		P038	P089	P201	U032	U078	U123	U167	U215	U410
D040		K039	K109		P039	P092	P202	U033	U079	U124	U168	U216	U411
D041		K040	K110		P040	P093	P203	U034	U080	U125	U169	U217	
D042		K041	K111		P041	P094	P204	U035	U081	U126	U170	U218	
D043		K042	K112		P042	P095	P205	U036	U082	U127	U171	U219	

# Appendix E

## Source Codes

Source codes describe the type of process or activity (i.e., source) from which a hazardous waste was generated. Review the groups and pick the appropriate code.

<b>Wastes from Ongoing Production and Service Processes (waste from general day to day manufacturing, production, or maintenance activities)</b>	
<b>Code</b>	<b>Source Code Description</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 the waste is a direct outflow or result (specify in comments)

<b>Wastes From Other Intermittent Events or Processes</b>	
<b>Code</b>	<b>Source Code Description</b>
G11 - <i>revised</i>	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 materials 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 source code)
G19	Other one-time or intermittent processes (specify in comments)

<b>Residuals From Pollution Control and Waste Management Process</b>	
<b>Code</b>	<b>Source Code Description</b>
G21	Air pollution control devices (e.g., baghouse dust ash, etc. from stack scrubbers or precipitators; vapor collection, etc.)
G22	Laboratory analytical wastes (e.g., 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 (sludge, waste solvent)
G25	Treatment, disposal, or recycling of hazardous waste - indicate in Item H management method (enter the related H code) that produced the residuals
G26	Leachate collection (from landfill operations or other land units)
G27	Treatment or recovery of universal waste

<b>Wastes From Spills and Accidental Releases</b>	
<b>Code</b>	<b>Source Code Description</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>Wastes From Remediation of Past Contamination</b>	
<b>Code</b>	<b>Source Code Description</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
G44	Cleanup under State or voluntary program
G45	Cleanup of underground storage tank
G49	Other remediation (specify in comments)

<b>Waste Not Physically Generated On-Site</b>	
<b>Code</b>	<b>Source Code Description</b>
G61	Hazardous waste received from off-site for storage/bulking and transfer off-site for treatment or disposal
For codes G63- G75	Hazardous waste received from a foreign country (other than a foreign Department of Defense site, Maquiladora, U.S. territory or protectorate). This site was the generator of record and is the U.S. Importer. Enter the appropriate code from the list below -
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 country name

# Appendix F

## Form Codes

Form codes describe the general physical and chemical characteristics of a hazardous waste. Review the groups and pick the appropriate code.

<b>Mixed Media/Debris/Devices</b> - Waste that is a mixture of organic and inorganic wastes, liquid and solid wastes, or devices that are not easily categorized	
<b>Code</b>	<b>Form Code Description</b>
W001	Lab packs from any source not containing acute hazardous waste
W002	Contaminated debris (see definition at 40 CFR 268.2(g) and requirements at 40 CFR 268.45): for example, certain paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, or other solids
W004	Lab packs from any source containing acute hazardous waste
W005	Waste pharmaceuticals
W301	Contaminated soil (usually from spill clean up, demolition, or remediation); see also W512
W309	Batteries, battery parts, cores, casings (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> - Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content	
<b>Code</b>	<b>Form Code Description</b>
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> - Waste that is primarily organic and is highly fluid, with low inorganic solids content and low-to-moderate water content	
<b>Code</b>	<b>Form Code Description</b>
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	Paint, ink, lacquer, or varnish (fluid – not dried out or sludge)
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> - Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content; not pumpable	
<b>Code</b>	<b>Form Code Description</b>
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> - Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable	
<b>Code</b>	<b>Form Code Description</b>
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> - Waste that is primarily inorganic, with moderate-to-high water content and low organic content; mostly pumpable	
<b>Code</b>	<b>Form Code Description</b>
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> - Waste that is primarily organic with low-to-moderate inorganic solids content and water content; pumpable	
<b>Code</b>	<b>Form Code Description</b>
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)

# Appendix G

## Management Method Codes

Management method codes describe the type of hazardous waste management system used to treat, recover, or dispose a hazardous waste. Select the final substantive method used. Review the groups and pick the appropriate code.

### MANAGEMENT METHOD CODES

Reclamation and Recovery	
Code	Management Method Code Description
HOIO	Metals recovery including retorting, smelting, chemical, etc.
H011	Mercury recovery (include mercury retorting, bulb/lamp crushing and mercury vapor recovery, thermostat recovery, mercury from medical equipment recovery, mercury car switch recovery, etc.)
HOI5	Deployment/deactivation of airbag waste followed by metals recovery
H020	Solvents recovery (distillation, extraction, etc.)
H039	Other recovery or reclamation for reuse including acid regeneration, organics recovery, etc. (specify in comments)
H041	Open burning/open detonation (should be permitted under Subpart X with process code XOI)
H050	Energy recovery at this site – used 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 on-site or received from off-site)
Destruction or Treatment Prior to Disposal at Another Site	
Code	Management Method Code Description
H040	Incineration – thermal destruction other than use as 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 (unless required by State)
H081	Biological treatment; do not include immediate treatment in an exempted wastewater treatment unit with discharge to a NPDES-POTW (unless required by State)
H090	Polymerization (LOR standard as treatment method)
HIOO	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 (unless required by State)
H110	Stabilization prior to land disposal at another site (encapsulation/stabilization/fixation)
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 (unless required by State)
H121	Neutralization only (no other treatment)
H122	Evaporation (as the major component of treatment; not reportable as H070, H081, HIOO or H120)
H129	Other treatment that does not include onsite disposal (specify in comments)
Disposal	
Code	Management Method Code Description
H130	Surface Impoundment that will be closed as a landfill (with prior treatment and/or stabilization meeting LOR treatment standard)
H131	Land treatment or application (with any prior treatment and/or stabilization)
H132	Landfill (with prior treatment and/or stabilization)
H134	Deep well or underground injection (with or without treatment; this waste was counted as hazardous)
H135	Discharge to sewer/POTW or NPDES with prior management (e.g.; storage or transported prior to discharge to POTW or by NPDES)
Transfer Off-site	
Code	Management Method Code Description

H141	The site receiving this waste stored/bulked and transferred the waste with no reclamation, recovery, destruction, treatment or disposal at that site. <b>[Do not use this code in Item 1.D (source code G25) or Item 2 (On-site Management) of Form GM]. For Form WR, linked to source code G61 on Form GM.</b>
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