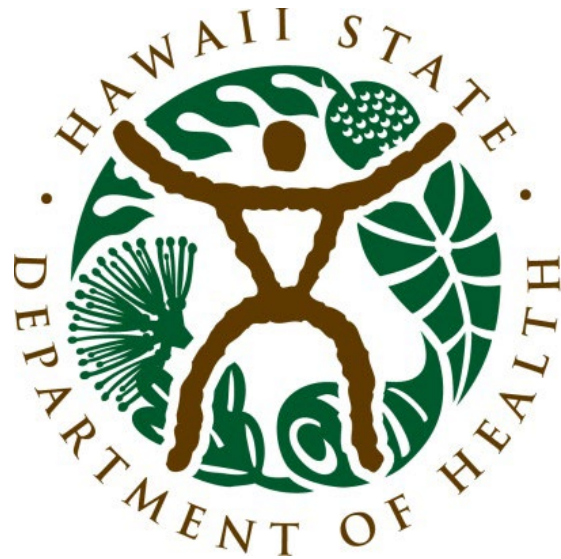


Hazardous Waste Biennial Report



Solid & Hazardous Waste Branch
State of Hawaii Department of Health

Outline

- What is the biennial report?
- Who must report?
- What must be reported?
- Set up: Gathering information and tools
- Preparing your report

What is the
biennial report?

Biennial Hazardous Waste Report

The information collected will:

- Provide the EPA/States with an understanding of hazardous waste generation and management.
- Help the EPA/States monitor industry compliance with regulations and evaluate waste minimization efforts taken by industry.
- Be summarized by EPA and communicated to the public in the National Biennial RCRA Hazardous Waste Report.

National Analysis presents
a detailed look at waste-handling practices
in the EPA Regions, States, and largest facilities nationally,

National Hazardous Waste Biennial Report

including:

(1) the quantity of waste generated,
managed, shipped and received,
and imported and exported
between States

(2) the number of generators
and managing facilities

Who must report?

Who must report

- Large Quantity Generators (LQGs) of hazardous waste (HW)
- Treatment, Storage, and Disposal facilities (TSDFs) that store, treat, or dispose of regulated hazardous waste (requires a permit)

Who must report

A site is an LQG if, in **any** calendar month of the reporting year, it did **any** of the following:

- Generated 1,000 kg (2,200 pounds) or more of HW
- Generated over 1 kg (2.2 pounds) of acute HW*
- Generated over 100 kg (220 pounds) of spill cleanup material contaminated with acute HW*

*acute HW: waste with EPA HW code beginning with the letter “P” or the following “F” codes: F020, F021, F022, F023, F026, and F027

What must be
reported?

important!!

Include all waste handled in reporting year

- Waste shipped or managed on-site during the reporting year, including waste generated earlier
- Waste generated during the reporting year, including waste shipped or managed on-site the following year
- Waste received from another site (VSQG consolidation, TDSF receipts, imports)

Include all waste handled in reporting year



Include all waste handled in reporting year

Report for the entire year, even if you were only an LQG for one month during the year

Do NOT include

- Universal waste
- Episodic event waste generated and managed in compliance with 40 CFR part 262 subpart L, as incorporated and amended in chapter 11-262.1, HAR
- Pharmaceuticals and electronic nicotine delivery system (ENDS) waste managed in compliance with 40 CFR part 266 subpart P, as incorporated and amended in chapter 11-266.1, HAR

Set up

GATHERING INFORMATION AND TOOLS

Set up steps

1. Register for a RCRAInfo user account
 - If you already have a RCRAInfo or CDX account, skip this step and use your existing account.
2. Get permissions for your site
3. Complete the electronic signature agreement (ESA)

Permissions

MODULES

- myRCRAid (notification form)
- Biennial Report
- e-Manifest
- WIETS

Permissions

PERMISSIONS

- Viewer
- Preparer
- Certifier
- Site Manager

Permissions

- Every site needs a certifier. A preparer is optional.
- Consultants can prepare the BR, but cannot certify.

Electronic signature agreement

- Your information will not be stored; it is only used once to verify your identity through LexisNexis.
- If RCRAInfo cannot verify your identity OR you choose to opt out of electronic identity verification, you can complete a paper ESA.
- If you mail in a paper ESA, you can begin working on your Biennial Report, but you will not be able to certify and submit until our office receives your ESA with original ink signature.

Set up steps

4. Print code lists

5. Gather manifests and other records of waste generation/
receipt

Preparing your report

GM FORM ▪ SI FORM ▪ CERTIFY & SUBMIT

GM form preparation

1. (optional) Print GM forms – One GM form per waste stream
2. Identify, describe, and code waste streams
3. Add up quantities for the same waste stream across manifests

Important!!

Coding GM Forms

To be combined on one GM form, waste must have the same description, the same source code, and the same form code.

The same waste could:

- Be shipped on multiple manifests throughout the year
- Be sent to more than one destination facility
- Have more than one management code

1.A - WASTE DESCRIPTION

Provide a short narrative description of the waste, such as:

- General type;
- Source;
- Type of hazard; and
- Generic chemical name or primary hazardous constituents.

EXAMPLE

“Ignitable spent solvent from degreasing operation in tool production; mixture of mineral spirits and kerosene.”

In the example, note that the general type (spent solvent), source (degreasing operation in tool production), type of hazard (ignitability), and generic chemical names (mineral spirits and kerosene) have all been cited.

Source codes

1. Choose the most descriptive subcategory

2. Choose the most appropriate code

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.

Wastes From On-going Production and Service Processes (waste from general day to day manufacturing, production, or maintenance activities)	
Code	Source Code Description
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)
Wastes From Other Intermittent Events or Processes	
Code	Source Code Description
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 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)
Residuals From Pollution Control and Waste Management Processes	
Code	Source Code Description
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 (e.g., sludge, filter cake, etc., including wastes from treatment before discharge by NPDES or POTW or by UIC disposal)
G24	Solvent or product distillation as part of a production process (including totally enclosed treatment systems). Does not include batch treatment in a separate process.
G25	Treatment, disposal, or recycling of hazardous wastes – report a management method code, e.g., indicated in Item H of WR Form for the management method (enter the related management method code, a H code, but not H141) that produced the residuals.
G26	Leachate collection (from landfill operations or other land units)
G27	Treatment or recovery of universal waste

Form codes

1. Do any of the special form codes apply? (listed at top as “Mixed Media/ Debris/ Devices”)
2. Choose the most descriptive subcategory
3. Choose the most appropriate code

FORM CODES

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

Mixed Media/Debris/Devices – Waste that is a mixture of organic and inorganic wastes, liquid and solid wastes, or devices that are not easily categorized

Code	Form Code Description
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 managed as hazardous waste
W006	Airbag waste (airbag modules or airbag inflators managed as hazardous waste)
W301	Contaminated soil (usually from spill cleanup, 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

Inorganic Liquids – Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content

Code	Form Code Description
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)

Organic Liquids – Waste that is primarily organic and is highly fluid, with low inorganic solids contents and low-to-moderate water content

Code	Form Code Description
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)

Site ID Form, a.k.a. notification form

- Will be pre-filled with the information currently in the database for your site
- Review and make any necessary changes
- Provide CURRENT generator status as of the date of report submission

Reminders & Resources



Important reminders

- Don't use Internet Explorer
- Include all waste managed on-site during reporting year
- Do *not* include waste not counted toward generator status
- 1 GM form = 1 waste stream = 1 description, 1 source code, 1 form code
- On SI form, provide *current* generator status as of the date of report submission

More detailed guidance

How to fill out the forms

<https://health.hawaii.gov/shwb/hazwaste/br/>

How to use the RCRAInfo Industry Application (LearningZen)

<https://rcrainfoindustry.learningzen.com/onlinetraining/auth/PortalRegistration>

- Register, click on “course catalog,” then select “all courses.”

National BR data and visualizations

<https://rcrapublic.epa.gov/rcrainfoweb/action/main-menu/view>

<https://www.epa.gov/hwgenerators/biennial-hazardous-waste-report>

<https://rcrapublic.epa.gov/rcra-public-web/action/explore>

<https://rcrapublic.epa.gov/rcrainfoweb/action/modules/br/summary/view>

Questions?

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