

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G11	Discarding off-specification, out-of-date, and/or unused chemicals or products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

Wastes From Spills and Accidental Releases	
Code	Source Code Description
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 (on-going, routine)
G39	Other cleanup of current contamination (specify in comments)
Wastes From Remediation of Past Contamination	
Code	Source Code Description
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)
Wastes Received by an LQG from VSQGs Under the Control of the Same Person	
Code	Source Code Description
G51	Hazardous wastes received by an LQG from VSQGs under the control of the same person
Wastes Not Physically Generated On-site	
Code	Source Code Description
G61	Received from off-site for storage/bulking and transfer off-site for treatment or disposal (to match H41 received waste quantities from Form WR's). GENERATION QUANTITY SHOULD BE ZERO to avoid double counting.
G62	Hazardous waste received from a site located outside of U.S. States, territories, or protectorates - report a country code. This site was the generator of record and is the U.S. Importer.
G76	Evaluated hazardous waste pharmaceuticals accumulated by a reverse distributor
G77	Airbag waste received from airbag waste handlers exempted under 40 CFR 261.7(j) prior to arrival at the airbag collection facility or designated facility

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)

Inorganic Solids – Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content; not pumpable	
Code	Form Code Description
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)
Organic Solids – Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable	
Code	Form Code Description
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)
Inorganic Sludges – Waste that is primarily inorganic, with moderate-to-high water content and low organic content; mostly pumpable	
Code	Form Code Description
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)
Organic Sludges – Waste that is primarily organic with low-to-moderate inorganic solids content and water content; pumpable	
Code	Form Code Description
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

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.

Reclamation and Recovery	
Code	Management Method Code Description
H010	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.)
H015	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)
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)
H041	Open burning/open detonation (should be permitted under Subpart X with process code X01)
H042	Thermal desorption to remove organic contaminants from soil, sludge, or sediment by heating them in a unit called a “thermal desorber” to separate the contaminants.
H070	Chemical treatment (reduction/destruction/oxidation/precipitation); do not include immediate treatment in an exempted 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 (LDR standard as treatment method)
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 (unless required by State)
H110	Stabilization prior to land disposal at another site (encapsulation/stabilization/fixation)
H113	Stabilization to remove hazardous waste characteristics or to achieve delisting levels
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, H100 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 LDR treatment standard)
H131	Land treatment or application (with any prior treatment and/or stabilization)
H132	Landfill (with prior treatment and/or stabilization)
H134	Deepwell or underground injection (with or without treatment; this waste was counted as hazardous waste)
H136	Discharge to sewer/POTW (with prior storage – with or without treatment)
H137	Discharge with NPDES permit (with prior storage – with or without treatment)

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. [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.
Transfer Off-site for Reclamation and Recovery	
Code	Management Method Code Description
S010	The site receiving this waste stored/bulked and transferred the waste to another site for metals recovery including retorting, smelting, chemical, etc.
S011	The site receiving this waste stored/bulked and transferred the waste to another site for mercury recovery (includes mercury retorting, bulb/lamp crushing and mercury vapor recovery, thermostat recovery, mercury from medical equipment recovery, mercury car switch recovery, etc.)
S015	The site receiving this waste stored/bulked and transferred the waste to another site for deployment/deactivation of airbag waste followed by metals recovery
S020	The site receiving this waste stored/bulked and transferred the waste to another site for solvents recovery
S039	The site receiving this waste stored/bulked and transferred the waste to another site for other recovery or reclamation for reuse including acid regeneration, organics recovery, etc.
S050	The site receiving this waste stored/bulked and transferred the waste to another site for energy recovery (includes on-site fuel blending before energy recovery)
S061	The site receiving this waste stored/bulked and transferred the waste to another site for fuel blending prior to energy recovery at another site
Transfer Off-site for Destruction or Treatment Prior to Disposal	
Code	Management Method Code Description
S040	The site receiving this waste stored/bulked and transferred the waste to another site for incineration; thermal destruction other than use as a fuel
S041	The site receiving this waste stored/bulked and transferred the waste to another site for open burning/open detonation (should be permitted under Subpart X with process code X01)
S042	The site receiving this waste stored/bulked and transferred the waste to another site for thermal desorption to remove organic contaminants from soil, sludge, or sediment by heating them in a unit called a "thermal desorber" to separate the contaminants
S070	The site receiving this waste stored/bulked and transferred the waste to another site for chemical treatment (reduction / destruction / oxidation / precipitation)
S081	The site receiving this waste stored/bulked and transferred the waste to another site for biological treatment
S090	The site receiving this waste stored/bulked and transferred the waste to another site for polymerization (LDR standard as treatment method)
S100	The site receiving this waste stored/bulked and transferred the waste to another site for physical treatment only (adsorption / absorption / separation / stripping / dewatering)
S110	The site receiving this waste stored/bulked and transferred the waste to another site for stabilization prior to land disposal at another site (encapsulation / stabilization / fixation)
S113	The site receiving this waste stored/bulked and transferred the waste to another site for stabilization to remove hazardous waste characteristics or to achieve delisting levels
S120	The site receiving this waste stored/bulked and transferred the waste to another site for a combination of chemical, biological and/or physical treatment
S121	The site receiving this waste stored/bulked and transferred the waste to another site for neutralization only
S122	The site receiving this waste stored/bulked and transferred the waste to another site for evaporation
S129	The site receiving this waste stored/bulked and transferred the waste to another site for other treatment that does not include on-site disposal

Transfer Off-site for Disposal	
Code	Management Method Code Description
S130	The site receiving this waste stored/bulked and transferred the waste to another site for surface impoundment that will be closed as a landfill (with prior treatment and/or stabilization meeting LDR treatment standard)
S131	The site receiving this waste stored/bulked and transferred the waste to another site for land treatment or application (with any prior treatment and/or stabilization)
S132	The site receiving this waste stored/bulked and transferred the waste to another site for landfill (with prior treatment and/or stabilization)
S134	The site receiving this waste stored/bulked and transferred the waste to another site for deepwell or underground injection (with or without treatment)

WASTE MINIMIZATION CODES

The following codes provide a description of existing or new waste minimization efforts undertaken to reduce the volume and/or toxicity of hazardous waste generated at the facility.

You may use the Comments section to provide any additional information (including toxicity and quantity reductions to the extent that data is available) that will help the EPA and the States understand your efforts to prevent pollution, minimize waste, or recycle in regards to this waste stream. Additionally, you may explain in the Comments section why your efforts were either successful or unsuccessful or why you did not implement waste minimization efforts for this reporting year.

The facility <u>initiated waste minimization efforts prior to the reporting year and continued these efforts during the reporting year for this hazardous waste</u>		
Code	Waste Minimization Code Description	Examples
A	Continued initiatives to reduce quantity and/or toxicity of this waste	<ul style="list-style-type: none"> 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. Modified equipment, layout, and/or piping, e.g., longer auto bath analyzers, wastewater treatment system upgraded. 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.
B	Continued initiatives to recycle the waste either on-site or off-site	<ul style="list-style-type: none"> 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.
The facility <u>initiated waste minimization efforts during the reporting year for this hazardous waste</u>		
C	Implemented new initiatives to reduce quantity and/or toxicity of this waste	See examples above for Code A.
D	Implemented new initiatives to recycle the waste either on-site or off-site	See examples above for Code B.

The facility examined or attempted waste minimization efforts for this hazardous waste, but determined it was impracticable to implement these efforts; or the facility did not attempt waste minimization efforts for this waste		
Code	Waste Minimization Code Description	Examples
N	Waste minimization efforts found to be economically or technically impracticable	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.
X	No waste minimization efforts were implemented for this waste	The waste was received from off-site and was not generated at this location; the waste is infrequently generated.

Code Unit of Measure

- | | |
|---|-------------------------------|
| 1 | Pounds |
| 2 | Short tons (2,000 pounds) |
| 3 | Kilograms |
| 4 | Metric tons (1,000 kilograms) |
| 5 | Gallons |
| 6 | Liters |
| 7 | Cubic yards |

Weight and Volume Conversions

1 kilogram (kg) = 2.2046 pounds (lbs)
 1 short ton = 2,000 lbs
 1 metric ton = 1,000 kg
 1 metric ton = 1.1023 short tons

1 cubic meter (m) = 1.3079 cubic yards
 1 cubic yard (yd) = 27 cubic feet (ft)
 1 liter (l) = 0.2642 gallons (gal)

NOTE

Skip to Item 2 if you selected Unit of Measure 1, 2, 3, 4.
Continue to Density if you selected Unit of Measure code 5, 6, 7.

Report the density only if you entered code 5, 6, or 7 for the unit of measure. Provide the density in either pounds per gal (lbs/gal) or specific gravity (sg) and place an "X" in the appropriate box to indicate which measure was used.

ITEM 2 – ON-SITE GENERATION AND MANAGEMENT OF HAZARDOUS WASTE

Answering "Yes" or "No" to this question is **mandatory**. If "Yes", provide the management method and quantity treated, disposed, or recycled on-site during the reporting year for each on-site RCRA-regulated management system.

WAS ANY OF THIS WASTE THAT WAS GENERATED AT THIS FACILITY TREATED, DISPOSED, AND/OR RECYCLED ON-SITE?

Mark "Yes" or "No" to this question to indicate if the site did any of the following to the waste reported in Item 1.A: treat on-site; dispose on-site; recycle on-site. If you marked "Yes," complete the blocks for On-site Process Systems below. If you marked "No," skip to Item 3.

EXAMPLE 1

Facility A generates spent solvents that it recycles on-site in a distillation column. This facility would mark "Yes" in Item 2 and would fill out the on-site process system box accordingly.

EXAMPLE 2

Facility B receives spent solvents from off-site and blends the solvents into fuel. The facility then sends the fuels off-site to be burned for energy recovery. Facility B would report on its GM Form the new waste generated in Item 1.D as Source Code G25 (Treatment, disposal, or recycling of hazardous wastes) with the management method code of H061 (Fuel Blending). Facility B would mark "No" in Item 2 because it did not manage any of the newly generated fuels on-site. This facility would report the off-site shipment in Item 3 and would report the Management Method Code H050 (Energy Recovery).