Chapter 5

MANAGING HAZARDOUS WASTE, WASTE PROTOCOL SHEETS

This chapter provides a management overview of the requirements for HW management within the ORARNG. It also provides WPS for managing solid, non-hazardous, universal and hazardous wastes common to the ORARNG. If a waste is not identified in this regulation, contact AGI-ENV Environmental Protection Specialist (EPS) (503-584-3862) for direction.

1. WHAT IS A WASTE?

- a. This regulation applies to the waste streams generated by ORARNG activities. Some of those waste streams are defined as hazardous under RCRA and as such, must be managed according to all applicable federal and state hazardous waste management regulations. However, this regulation also applies to certain waste streams that are not regulated under RCRA. Some of these waste streams are included in this regulation because they are routinely generated by the ORARNG and/or may pose a potential danger if improperly handled.
- b. The ORARNG waste streams subject to this regulation fall into one of the four categories listed below:
- (1) *Solid Waste* includes all discarded materials, including solids, semi-solids, sludges, liquids, and compressed gases, unless excluded by regulations. A discarded material is any material that is abandoned or recycled, or is considered inherently waste-like (40 CFR 261.2).
- (2) *Hazardous Waste* is a solid waste that is not specifically excluded from regulation as a hazardous waste and meets one of the following criteria:
 - It is ignitable, corrosive, reactive, or toxic as measured by standard test methods or as can be reasonably determined by knowledge of generators.
 - It is specifically listed as a hazardous waste in 40 CFR 261, Subpart D.
- (3) *Universal Waste* includes certain batteries, pesticides, fluorescent light bulbs, and mercury thermostats. Universal waste is a hazardous waste with less stringent management procedures.
- (4) *Used Oil* is any oil, whether refined from crude oil or synthetically produced, that has been used and is therefore contaminated with physical or chemical impurities.
- (5) *Medical Waste* is any waste generated in the diagnosis, treatment, or immunization of human beings or animals, in research pertaining thereto, or in the production of testing of biologicals. The storage and disposal of medical waste is beyond the scope of this regulation, contact the Occupational Health Nurse at (503) 584-3902.

2. GENERATOR STATUS

a. Because federal and state regulations require that all hazardous waste be shipped off-site within specific time limits, these wastes can be accumulated on-site for only a limited amount of time. How much waste an activity can accumulate before shipping it off-site depends on the activity's generator status, under 40 CFR Part 262 and 40 CFR 273. The three types of HW generators and two types of UW generators are:

- Conditionally exempt small quantity generators (CEGs)
- Small quantity generators (SQGs)
- Large quantity generators (LQGs)
- Small quantity handler of universal waste (SQHUW)
- Large quantity handler of universal waste (LQHUW)

b. Generator status depends on the quantity of HW generated per calendar month. The table below shows time and quantity for all five types of generators:

Generator Status	Time Limit	Maximum Accumulated Per Month	Maximum Accumulated On- Site
CEG	No Time Limit	≤ 220 lbs HW* <2.2 lbs. (acute haz)	≤ 2,200 lbs
SQG	180 days or 270 days if shipping over 200 mi. and approved by DEQ	>220 lbs. ≤ 2,200 lbs HW ≤ 2.2 lbs acute HW	≤13,200 lbs HW
LQG	90 days	> 2,200 lbs HW	NO LIMIT
SQHUW	one year	<11,000 lbs of UW	<11,000 lbs
LQHUW	one year	>=11,000 lbs of UW	>=11,000 lbs of UW

^{*} This is approximately equal to less than half a 55-gallon drum or 25 gallons

CAUTION

Locations with multiple facilities managing waste must communicate with each other to ensure the facility properly identifies their generator category.

c. Generator status is determined by geographic location, fence line-to-fence line, not by activity or unit assignment. For example: Camp Withycombe is the generator of HW not the CSMS, OMS or State Shop.

3. THE OREGON EPA GENERATORS FOR ORARNG

EPA ID numbers will be obtained for ORARNG facilities when required by law. Facility EPOCs will monitor the generator status of their facilities and request, through AGI-ENV, new ID numbers for each facility meeting criteria as a SQG or LQG of HW. Armories typically do not have EPA ID numbers. The following ORARNG facilities have EPA identification numbers. The numbers are unique to each location. Multiple activities at a single location must coordinate the use of the single number.

CAMP WITHYCOMBE	ORD980988356	10101 SE Clackamas Rd Clackamas, OR 97015 (503) 557-5368
CAMP RILEA UTES	ORD980988414	91426 Rilea McCarter Rd Warrenton, OR 97146 (541) 861-4153
CENTRAL OREGON UTES	ORD980987705	P.O. BOX 370 2899 E. Hwy 126 Redmond, OR 97756 (541) 548-8356
HQ STARC OMS	ORD980987648	1025 Airport Rd SE Salem, OR 97302 (503) 378-4838
SALEM AASF#1	ORD980988497	1921 Turner Rd SE Salem, OR 97302 (503) 584-3937
1-186 INF OMS	ORD980987713	1701 S. Pacific Hwy Medford, OR 97501 (541) 776-6057
141 SPT BN OMS	ORD980987697	10000 NE 33rd Drive Portland, OR 97211 (503) 280-6814
3-116 CAV OMS	ORQ000013722	64082 Airport Lane La Grande, OR 97850 (541) 963-5712
141 SPT BN OMSS	ORD980987762	6700 SW Oak St Portland, OR 97223 (503) 584-6043
2-162 INF OMS	ORD980987630	36646 SW Oak Drive Lebanon, OR 97355 (541) 258-2686

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ARMORIES AND THEIR SUPPORTING OMS

1-186 IN OMS MEDFORD (541)776-6057

ASHLAND GRANTS PASS KLAMATH FALLS MEDFORD ROSEBURG 141 SPT BN OMS PORTLAND (503) 557-6814

GRESHAM HOOD RIVER PORTLAND KLIEVER JACKSON 141 SPT BN OMSS TIGARD (503) 557-6043

TIGARD-MAISON

2-162 IN OMS LEBANON (541) 258-2686

COOS BAY CORVALLIS COTTAGE GROVE EUGENE LEBANON NEWPORT 3-116 IN OMSS Umatilla Chemical Depot (541) 564-5366

HERMISTON PENDLETON AASF#2 THE DALLES

3-116 CAV OMS LAGRANDE (541) 963-5712

BAKER CITY LA GRANDE MILTON-FREEWATER ONTARIO 3670th OMS CAMP WITHYCOMBE (503) 557-5360

CLACKAMAS LAKE OSWEGO COUTES REDMOND (541) 548-8356

BEND BURNS REDMOND BIAK HQ STARC(-) OMS SALEM (503) 378-4838

ALBANY
DALLAS
MONMOUTH
CAMP ADAIR
SALEM
AASF#1
OREGON MIL DEPT
WOODBURN

UTES CAMP RILEA (503) 861-4153

FOREST GROVE HILLSBORO MCMINNVILLE ST HELENS WARRENTON

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4. SELECTING A CONTAINER

Only certain types of containers are authorized for waste accumulation. A list of approved containers are provided in the table below:

Container Type	NSN*
55-Gallon Closed-Head Drum	8110-00-292-9783
30-Gallon Closed-Head Drum	8110-00-366-6809
85-Gallon Disposal Drum, Unlined	8110-01-101-4055
85-Gallon Recovery Drum	8110-01-101-4056
55-Gallon Removable-Head Drum	8110-00-030-7780
30-Gallon Removable-Head Drum	8110-00-866-1728
20-Gallon Removable-Head Drum	8110-00-146-1588
7-Gallon Removable-Head Drum	8110-00-254-5714
6-Gallon Removable-Head Drum	8110-00-254-5713
4-Gallon Removable-Head Drum	8110-00-254-5722
3-Gallon Removable-Head Drum	8110-00-431-8670
55-Gallon polyethylene	8110-01-150-0677
Non-removable Head, reusable Drum	
Box, Fiber (cardboard)	8115-00-179-0579
18 x 12 x 10	
Box, Fiber (cardboard) 16 x 10 x 8	8115-00-179-0578

^{*}NSNs are for ordering purposes only. The supplier may substitute comparable containers with different stock numbers only if the substitute meets DOD supply standards.

5. PREPARING YOUR CONTAINER

STEP 1. Using the WPS for your waste stream, select the appropriate approved container. Drums must be clean and in good condition.

^{*}Local purchase is also authorized as long as it is an approved DOT container.

^{*}Performance Orientated Packaging (POP) web site www.ddc.dla.mil/pop/

^{*}Universal waste containers must be designed to prevent releases to the environment.

^{*}Universal waste - mercury containing lamps must be stored in containers such as cardboard boxes or fiber drums, which are adequate to prevent breakage.

STEP 2. Remove any previous markings and labels from the container or mask over with paint.

STEP 3. Fill out a HW Determination Worksheet (see sample on page 5-11).

6. MARKING THE CONTAINER

- **STEP 1.** Obtain the appropriate waste identification label and hazard class label indicated in Step 2 of the WPS or equivalent.
- **STEP 2.** Fill in the required information on the waste identification label from Step 2 of the WPS.

Hazardous waste containers will be clearly marked with the words "HAZARDOUS WASTE" and words that describe the contents of the container.

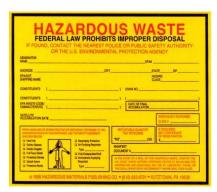
Universal waste containers will be clearly marked with the appropriate words and the accumulation start date:

UNIVERSAL WASTE - BATTERY(IES)

UNIVERSAL WASTE - PESTICIDES

UNIVERSAL WASTE - MERCURY THERMOSTATS

UNIVERSAL WASTE - MERCURY CONTAINING LAMPS











(Waste Identification Labels)





STEP 3. Attach the waste identification label and hazard class label from Step 2 of the WPS securely to the side of the container.

The waste identification label and hazard class labels are available as peel-off stickers that adheres to the side of a container. Call USPFO-SDC at (503-557-5294) or use your local purchasing card to obtain labels.

7. ADDING WASTE TO THE CONTAINER

These procedures are general instructions that apply to any waste. Some wastes may require special handling, check the WPS and MSDS of your waste before adding the waste to the container.

- STEP 1. Put liquids in closed head containers, and solids in removable head drums.
- **STEP 2.** Drums that are not already grounded must be grounded. Check the cable to ensure that it is attached to the ground rod before attaching the clips on the other end of the cable to the funnel and safety can.
- **STEP 3.** Carefully add the waste. Use a funnel to pour liquids into a drum with an open bung.

Only pour liquids into removable head drums if you have permission from the USPFO-SDC.

STEP 4. Replace the lid or bungs on the container. Never leave the lid off of the container.

STEP 5. Record the amount and type of waste being added to the container to the HW Determination Worksheet. (see sample on page 5-11).

STEP 6. UW must have an ASD on the container and words that identify the waste. Ensure HW containers are marked IAW the appropriate WPS.

SAAs do not mark the containers with an ASD until either the container is full or moved to the HWAA.

STEP 7. When the container is almost full, **STOP** adding waste. Maintain at least as much headspace as noted below:

Size of Container	Amount of Headspace	
55 gallon	4 inches	
30 gallon	3 inches	
15 gallon	2 inches	
less than 15 gallon	1 inch	

STEP 8. Call the USPFO-SDC to make an appointment to turn your waste in at (503) 557-5294.

8. REQUESTING LABORATORY ANALYSIS

a. Laboratory analyses are required when generator knowledge cannot identify the contents of a container. Lab analyses are usually required for:

Unknown waste
Washrack Sludge
Dip Tanks
New wastestreams
Spill residue/contaminated soil

b. The specific tests required are determined on a case-by-case basis. Contact the EPS at (503) 584-3862 for assistance.

- c. Funding for support of HW analyses is supportable from environmental funds. Shops must contact the EPS when they believe they have a substance that needs to be analyzed.
- d. Shops will contact a certified local laboratory, obtain an itemized cost quote for the required analysis and then notify the EPS either by phone or e-mail with the itemized costs, name and address of the certified lab, lab point of contact and phone number.
- e. The EPS will prepare the Purchase Order and provide a copy to the requesting shop, and coordinate payment for the lab analysis with the vendor.

9. USING WASTE PROTOCOL SHEETS

a. Certain waste management practices are specific to an individual waste stream. These procedures are identified on easy-to-follow; one-page guides called Waste Profile Sheets (WPS). The WPS outlines step-by-step procedures that explain how to

- select a container for your waste
- prepare and label the container
- add waste
- properly accumulate waste
- b. This section includes a WPS for each type of waste commonly generated by the ORARNG. To use the WPSs:
- **STEP 1.** Find your waste in the index on the following page.
- STEP 2. Turn to the applicable WPS.
- **STEP 3.** Make sure your waste is covered by that WPS. If your waste does not have a WPS, contact the HM Identifier at Camp Withycombe (503) 557-5294.
- c. For example, if you have a lithium battery, check the list below the title word "Battery" to see if lithium batteries are covered. Follow the instructions on the WPS for proper handling and storage instructions of lithium batteries.

Waste Protocol Sheet Index

Absorbent - Hazardous Substances	5-13
Absorbent - Non-Hazardous Substances	5-14
Adhesives	5-15
Aerosol Can Residue.	5-16
Aerosol Cans.	5-17
Antifreeze	5-18
Asbestos	5-19
Batteries - Alkaline	5-20
Batteries - Lead Acid	5-21
Batteries - Lithium	5-22
Batteries - Magnesium	5-23
Batteries - Mercury	5-24
Batteries - Ni-Cad	5-25
Bulbs	5-26
Calcium Hypochlorite	5-27
Contaminated Soil	5-28
Cylinder Residue	5-29
Diesel	5-30
DS2 - Decontaminating Agent	5-31
Firing Range Residue/Debris	5-32
Gasoline	5-33
General Debris	5-34
JP-8	5-35
JP-8 Fuel Filters	5-36
Latex Paint & Primer	5-37
M229 Refill Kits	5-38
M256 Training Kits	5-39
M256/M256A1 - Detector Kits	5-40
M258/M258A1 Skin Decon Kits.	
M58/M58A1 Training Aid Skin Decon Kits	
Non-Latex Paint & Primer	5-43
Oil Filters	5-44
Oil Used	5-45
Paint Chips - Metal Bearing Paint	5-46
Paint Thinner, Stripper, and Remover	5-47
Parts Washer – Solutions & Filters (ZEP, Aqueous, Contracted & Inland Technology)	5-48
PCBs (Polychlorinated Bi-Phenols)	5-49
Pending Sample	5-50
Pesticide Containers	5-51
Protective Mask Filters	5-52
	5-53
	5-57
Rags-Used	5-54 5-55 5-56

ABSORBENT – HAZARDOUS SUBSTANCES

Any type of absorbent used for any type of hazardous products

ATTENTION!

- This WPS applies to any absorbed material labeled as a hazardous waste in Step 2 of any other WPS. If the material absorbed is not represented by the other WPS, contact the HWM. *Keep a running list of these items for future reference*.
- Separate absorbents by NSN of material absorbed: for example, separate absorbents contaminated with gasoline from absorbents contaminated with battery acid.
- Absorbent soaked with flammable liquid can emit flammable vapors.
- DO NOT mix absorbents soaked with different hazardous products.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

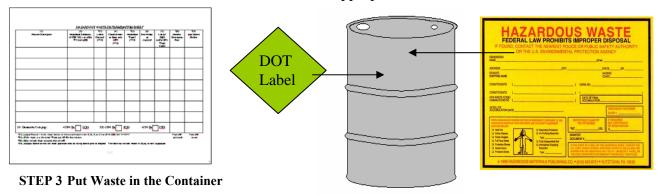


STEP 1 Select an Approved Container

<u>Approved Container:</u> 30-gallon or greater removable head DOT Rated Drum *Inspect container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare, Mark, and Label the Container

Fill in: Generator Information, EPA ID#, and Accumulation Start Date. See the MSDS for the Proper Shipping Name or contact the HWM for proper identification. Attach a "Hazardous Waste" label to the side of the container. Attach appropriate DOT label.



Wear the proper Personal Protective Equipment listed on the absorbed product's MSDS. Open the drum slowly, keeping your head/face clear of the opening.

Add used Absorbent to the drum, leaving ample headspace.

On the Hazardous Waste Determination Sheet, document the Used Absorbent with the Hazardous Substance.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

ABSORBENT – NON-HAZARDOUS SUBSTANCES

Absorbent used for POL, Non-Metal Bearing Paint, Non-Chlorinated Solvents, etc.

ATTENTION!

- Check other WPS to determine if the material absorbed is hazardous. If the material is not represented by another WPS, contact the HWM. *Keep a running list of these items for future reference*.
- Absorbents could be rags; soil, pigs, berms, pads, or anything used to absorb liquids.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

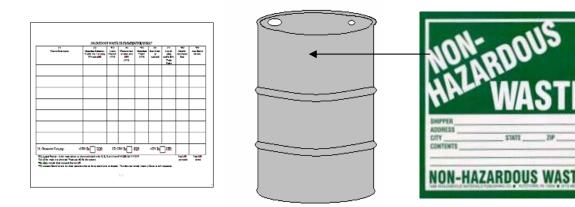


STEP 1 Select an Approved Container

<u>Approved Container:</u> 30-gallon or greater removable head. *Inspect container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare, Mark, and Label the Container

Attach a "Non-Hazardous Waste" marking to the side of the container. Mark contents as USED ABSORBENT (*specify what type of product was absorbed*).



STEP 3 Put Waste in the Container

Wear the proper Personal Protective Equipment listed on the absorbed product's MSDS.

Open the drum slowly, keeping your head/face clear of the opening.

Add used Absorbent to the drum, leaving ample headspace.

On the Hazardous Waste Determination Sheet, document the Used Absorbent with the substance.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

ADHESIVES

ATTENTION!

- Separate by NSN.
- Flammable liquids
- Store in well-ventilated areas
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

TOP

STEP 1 Select an Approved Container

Approved Container: 30 gallon or greater DOT rated drum (non-removable head for free flowing liquids, and removable head for containerized liquids).

Inspect container for dents, bulges, or excessive corrosion.

STEP 2 Prepare, Mark, and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 3 label



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add Adhesive to container On a Hazardous Waste Determination Sheet add Paint.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

AEROSOL CAN RESIDUE (FLAMMABLE ONLY)

Paints, Lubricants, Adhesives, Cleaners etc.

ATTENTION!

- Wear appropriate personal protective equipment.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.
- See WPS "AEROSOL CANS" for all other aerosol cans other than flammable



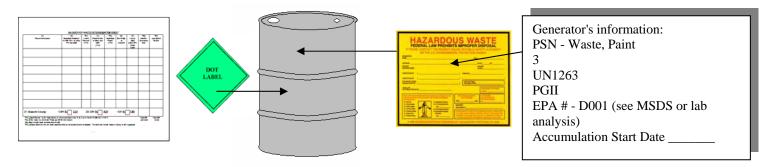
Check and Ready Equipment

Prepare the aerosol-puncturing device if available. If an aerosol can puncturing device is not available turn in aerosol cans as a reactive HW to the supporting OMS. See the WPS titled AEROSOL CANS

Identify drums for waste aerosol can residue per the following instructions.

STEP 1 Select an Approved Container

Approved Container: 10-15 gallon DOT approved drum. *Inspect the Container for dents, bulges, or excessive corrosion.*



STEP 2 Prepare, Mark, and Label the Container

Attach a Hazardous Waste Label and appropriate DOT Label.

STEP 3 Put Waste in the Container

Add product to the container using the aerosol-puncturing device. Use a HW Determination Sheet add aerosol. *Use the HMIS serial number and product name on the HW Determination Sheet*.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

AEROSOL CANS

Paints, Lubricants, Adhesives, Cleaners etc.

ATTENTION!

- Wear appropriate personal protective equipment.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

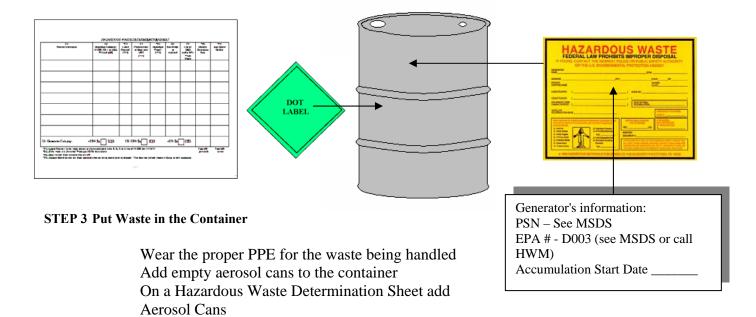


STEP 1 Select an Approved Container

Approved Container: 10-15 gallon DOT approved drum. *Inspect the Container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare, Mark, and Label the Container

Attach a Hazardous Waste Label and appropriate DOT Label.



STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

ANTIFREEZE

ATTENTION!

- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.
- DO NOT drain onto ground or into storm sewers or septic tanks.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- You must have a laboratory analysis baseline established

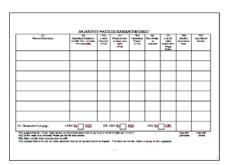


STEP 1 Select an Approved Container

Approved Container: 55-gallon non-removable head drum. *Inspect container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare, Mark, and Label the Container

Mark the container in a contrasting color with the words **USED ANTIFREEZE**, **WARNING**, **HARMFUL OR FATAL IF SWALLOWED**.







STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS

Open the drum slowly, keeping head clear of opening.

Add used antifreeze into the drum, leave ample headspace.

On the Hazardous Waste Determination Sheet, document the Used Antifreeze. (A baseline lab analysis should be done every 3 years or when there has been a major change in the equipment servicing)

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

ASBESTOS

Brake shoes, Clutch plates, mittens, safes, and blankets

ATTENTION!

- This WPS does not deal with asbestos abatement, construction, or any other type of asbestos containing material (ACM) not specifically listed above.
- Asbestos is toxic by inhalation and is an active carcinogen.
- DO NOT handle in a manner that could create dust.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

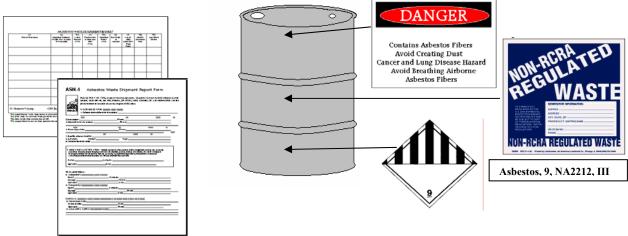


STEP 1 Select an Approved Container

<u>Approved Container:</u> DOT approved container that is appropriate for size of waste. *Inspect container for serviceability*

STEP 2 Prepare, Mark, and Label the Container

Attach a "Non-Hazardous Waste" marking sticker to the side of the container. Attach DOT Class 9 label, and an Asbestos warning label. See chapter 6 for additional information.



STEP 3 Put Waste in the Container

Wear the proper Personal Protective Equipment listed on the MSDS. Add Asbestos material to container.

On the Hazardous Waste Determination Sheet, document the Asbestos material this is <u>NOT</u> a Hazardous Waste.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

BATTERIES

Alkaline

ATTENTION!

- Separate batteries by type (Alkaline, Lithium, Magnesium, Mercury, and Ni-Cad)
- Batteries may contain corrosive materials.
- Keep Batteries dry and ventilated
- DO NOT store batteries on aluminum shelving
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

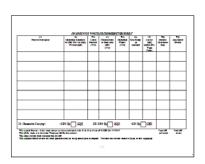


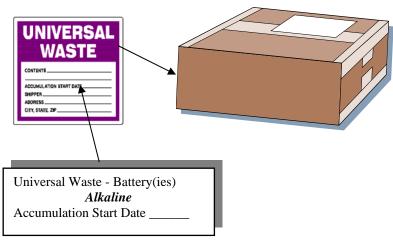
STEP 1 Select an Approved Container

Approved Container: Cardboard box or other container (keep weight below 50 lbs).

STEP 2 Prepare, Mark, and Label the Container

Use a "Universal Waste Label" and/or insert the words Universal Waste on the container. Put Battery, alkaline on the label or the container.





STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS

Add batteries to container

On a Hazardous Waste Determination Sheet document the batteries as a Universal Waste. Do **not** use EPA waste codes.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

BATTERIES

Lead Acid, Automotive

ATTENTION!

- Separate batteries by type (Alkaline, Lithium, Magnesium, Mercury, and Ni-Cad)
- Batteries may contain corrosive materials.
- Keep Batteries dry and ventilated
- DO NOT store batteries on aluminum shelving
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



STEP 1 If under a Service Agreement call the Contractor.

Vehicle Lead Acid batteries will be exchanged on a one-for-one basis through an approved contractor.

FOR BROKEN BATTERIES OR BATTERIES NOT ON A SERVICE AGREEMENT CALL THE HM IDENTIFIER AT (503) 557-5294 FOR DISPOSAL INSTRUCTIONS.

Disposal of lead-acid batteries in Oregon by any method other than recycling is prohibited, and anyone who disposes of lead-acid batteries improperly may incur a civil penalty of up to \$500. Battery retailers and wholesalers are required to take back used batteries for recycling.

BATTERIES

Lithium

ATTENTION!

- Separate batteries by type (Alkaline, Lithium, Magnesium, Mercury, and Ni-Cad)
- Batteries may contain corrosive materials.
- Keep Batteries dry and ventilated
- DO NOT store batteries on aluminum shelving
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.
- DO NOT use a tight sealed container.

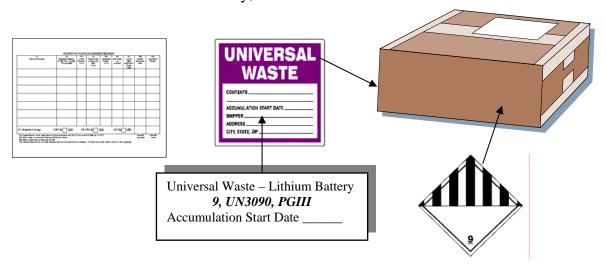


STEP 1 Select an Approved Container

Approved Container: Use a DOT approved container keep weight below 50 lbs.

STEP 2 Prepare, Mark, and Label the Container

Use a "Universal Waste Label" and/or insert the words Universal Waste on the container. Put Battery, lithium on the label or the container.



STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS

Add batteries to container

On a Hazardous Waste Determination Sheet document the batteries as a Universal Waste. Do **not** use EPA waste codes.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

BATTERIES

Magnesium

ATTENTION!

- Separate batteries by type (Alkaline, Lithium, Magnesium, Mercury, and Ni-Cad)
- Batteries may contain corrosive materials.
- Keep Batteries dry and ventilated
- DO NOT store batteries on aluminum shelving
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

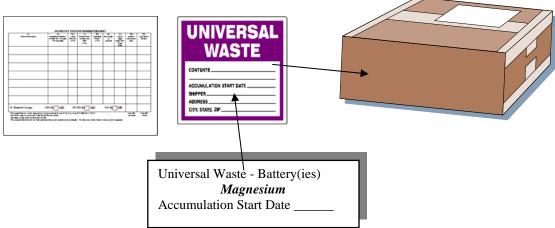


STEP 1 Select an Approved Container

Approved Container: Cardboard box or other container (*keep weight below 50 lbs*).

STEP 2 Prepare, Mark, and Label the Container

Use a "Universal Waste Label" and/or insert the words Universal Waste on the container. Put Battery, magnesium on the label or the container.



STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS

Add batteries to container

On a Hazardous Waste Determination Sheet document the batteries as a Universal Waste. Do **not** use EPA waste codes.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

BATTERIES

Mercury

ATTENTION!

- Separate batteries by type (Alkaline, Lithium, Magnesium, Mercury, and Ni-Cad)
- Batteries may contain corrosive materials.
- Keep Batteries dry and ventilated
- DO NOT store batteries on aluminum shelving
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

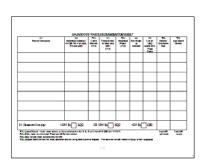


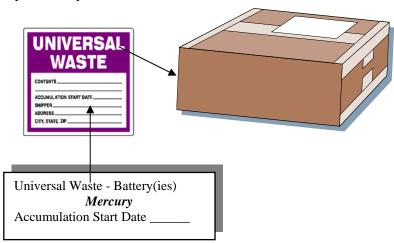
STEP 1 Select an Approved Container

Approved Container: Cardboard box or other container (*keep weight below 50 lbs*).

STEP 2 Prepare, Mark, and Label the Container

Use a "Universal Waste Label" and/or insert the words Universal Waste on the container. Put Battery, mercury on the label or the container.





STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS

Add batteries to container

On a Hazardous Waste Determination Sheet document the batteries as a Universal Waste. Do **not** use EPA waste codes.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

BATTERIES

NI-Cad

ATTENTION!

- Separate batteries by type (Alkaline, Lithium, Magnesium, Mercury, and Ni-Cad)
- Batteries may contain corrosive materials.
- Keep Batteries dry and ventilated
- DO NOT store batteries on aluminum shelving
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



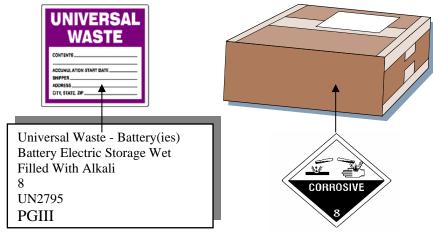
STEP 1 Select an Approved Container

Approved Container: Use a Dot approved container keep weight below 50 lbs.

STEP 2 Prepare, Mark, and Label the Container

Use a "Universal Waste Label" and/or insert the words Universal Waste on the container. Put Battery, NI-Cad on the label or the container.





STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS

Add batteries to container

On a Hazardous Waste Determination Sheet document the batteries as a Universal Waste. Do **not** use EPA waste codes.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

BULBS

Fluorescent, Metal Halide, Sodium and Mercury

ATTENTION!

- Store unbroken and broken bulbs separately.
- Always wear gloves when handling unbroken or broken light bulbs.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



STEP 1 Select an Approved Container

Approved Container: Original container. If original container is not available, contact DOL-SDC for appropriate container information.

STEP 2 Prepare, Mark, and Label the Container

Use a "Universal Waste Label" and/or insert the words Universal Waste on the container. Write "Universal Waste Mercury-Containing Lamps" on the label or the container.



STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS

Add bulbs to container

On a Hazardous Waste Determination Sheet document the bulbs as a Universal Waste. Do **not** use EPA waste codes.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

CALCIUM HYPOCHLORITE

ATTENTION!

- Store in well-ventilated areas.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

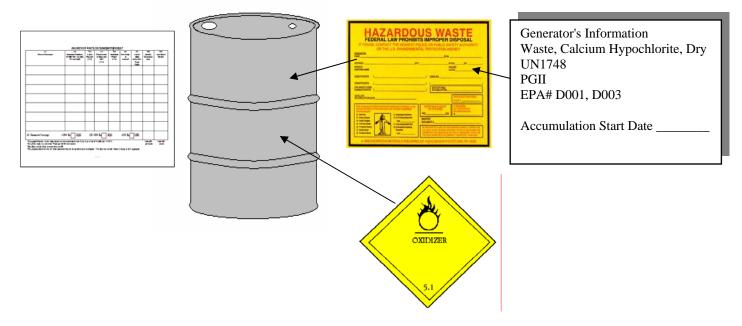


STEP 1 Select an Approved Container

Approved Container: DOT approved container. If item is still in original container over pack into DOT approved container, do not remove the product from its original packaging.

STEP 2 Prepare and Label the Container

Complete and attach the Hazardous Waste Label, attach DOT Class 5.1 label.



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS On a Hazardous Waste Determination Sheet add Calcium Hypochlorite.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

CONTAMINATED SOIL

ATTENTION!

- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



STEP 1 Report the Spill to AGI-ENV (503) 584-3914.

You will be informed of the proper clean-up procedures at this time. Most likely the contaminated soil will be tested prior to disposal. For large spills AGI-ENV will coordinate the clean-up efforts. For small amounts you will be directed on proper disposal procedures.

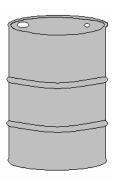
STEP 2 Select an Approved Container,

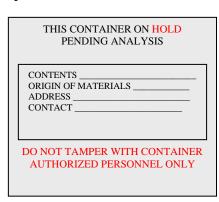
For small amounts of contaminated soil us an approved DOT Container.

For large amounts of contaminated soil secure the area from intruders and follow AGI-ENV guidance provided when you reported the spill.









STEP 3 Prepare and Label the Container

Complete and attach the PENDING ANALYSIS Label for contaminated soil that has already been containerized.

STEP 4 Put Waste in the Container

Wear the proper PPE listed on the MSDS On a Hazardous Waste Determination Sheet add CLP.

STEP 5 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 6 Turn-in Procedures

CYLINDER RESIDUE

Propane, ether starter etc

ATTENTION!

- Wear appropriate personal protective equipment.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.
- DO NOT use the propane cylinder recycling system for Ether Cylinders. Ether corrodes the system and may cause the cylinder to explode.

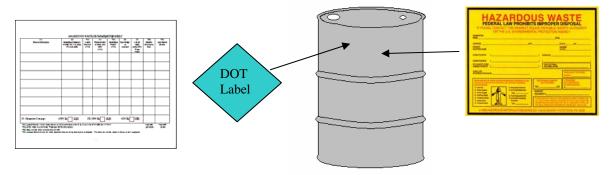


STEP 1 Check and Ready Equipment

Prepare the propane recycling system-puncturing device. Make sure appropriate PPE is worn.

STEP 2 Select an Approved Container

Approved Container: Original cylinder or the propane recycling system.



STEP 3 Prepare, Mark, and Label the Container

Attach the Hazardous Waste Label and the appropriate DOT label

STEP 4 Put Waste in the Container

Add product to the container using the propane recycling system.

Use a Hazardous Waste Determination Sheet add cylinder. *Use the HMIS serial number and product name on the Hazardous Waste Determination Sheet.*

STEP 5 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 6 Turn-in Procedures

Cylinders that have processed through the propane recycling system can be processed as solid waste. Cylinders that are still holding pressure and have not been processed must be turned in IAW Chapter 6.

DIESEL

ATTENTION!

- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.
- DO NOT drain onto ground or into storm sewers or septic tanks.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.

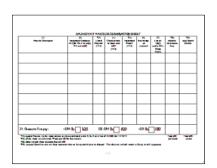


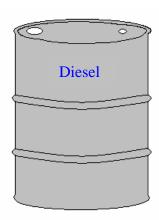
STEP 1 Select an Approved Container

Approved DOT Container: 55-gallon non-removable head drum. *Inspect container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare, Mark, and Label the Container

Mark the container in a contrasting color with the words **DIESEL**





STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS Open the drum slowly, keeping head clear of opening. Add used diesel into the drum, leave ample headspace. On the Hazardous Waste Determination Sheet, document diesel.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

DS2-DECONTAMINATING AGENT

ATTENTION!

- DS2 is corrosive
- DO NOT handle DS2 unless you have reviewed the MSDS and have been trained, or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

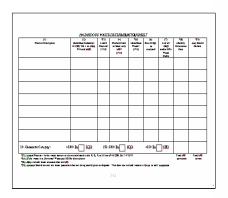


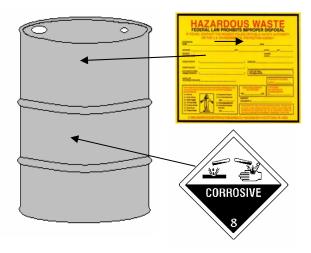
STEP 1 Select an Approved Container

Approved Container: DOT approved container (do not remove the product from it's original container).

STEP 2 Prepare and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 8 label.





Generator's information
Waste, Caustic Alkali Liquids,
n.o.s. (Sodium Hydroxide), 8,
UN1719, PGII
EPA#- D002
Accumulation Start Date

STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS On a Hazardous Waste Determination Sheet add DS2.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

FIRING RANGE RESIDUE/DEBRIS

(Soil, Filters and Debris)

ATTENTION!

- DO NOT handle unless you have reviewed the MSDS and have been trained, or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

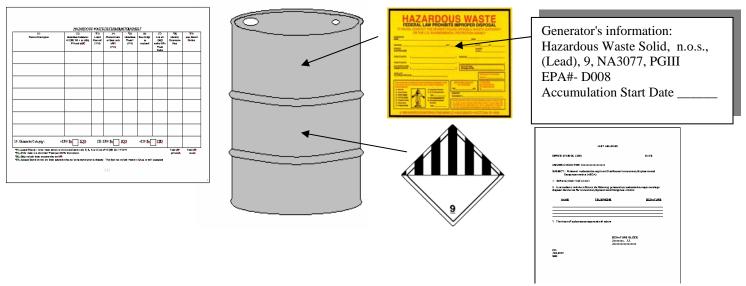


STEP 1 Select an Approved Container

Approved Container: Filters can be put back in the original package. Debris must use a DOT open head container.

STEP 2 Prepare and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 9 label



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS On a Hazardous Waste Determination Sheet add filters and or debris.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

Turn in waste IAW Chapter 6.

Prepare the AEDA letter per chapter 6 as part of the turn-in documentation.

GASOLINE

ATTENTION!

- This WPS is for contaminated gasoline only.
- Extremely Flammable
- Store in a well-ventilated area
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



STEP 1 Select an Approved Container

Approved Container: 30 gallon or greater non-removable head DOT approved drum. *Inspect the container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 3 label.





Generator's information:
Waste, Gasoline, 3, UN1203
PGII
EPA # D001, D018
Accumulation Start Date

STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS

Drum may be pressurized. Open the drum slowly, keep head clear of opening. Ground the drum to prevent static electricity from building up.

Leave ample headspace in the drum.

On a Hazardous Waste Determination Sheet add contaminated gasoline.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

GENERAL DEBRIS

Other than Recyclable

Put solid waste in dumpsters.

WASTE EXCLUDED FROM THE DUMPSTER (NOT CONSIDERED GENERAL DEBRIS)

The following types of solid waste are not acceptable to be placed in a commercial Dumpster. From an installation perspective, all solid wastes are "commercial waste" and not "household" waste.

- Hazardous Waste and Special Materials
- Asbestos Waste
- PCBs (Polychlorinated Biphenyl's
- Liquids
- Paint/Glue that is free flowing (paint cans should be dry with lids off)
- Whole waste tires
- Batteries
- Medical or Infectious Waste (before or after incineration)
- Flammable or Volatile Substances
- Motor oil (new or used)
- Automobile gas tanks
- Dead animals
- Fluorescent, halogen, incandescent, metal halide, sodium mercury light bulbs
- Industrial waste
- Explosives
- Military Munitions (*contact ASP immediately*)
- Appliances containing refrigerant (i.e. Freon or other CFC compounds)
- Radioactive Material
- Incinerator Ash or Residue
- Burn Barrels
- Compressed Gas Cylinders
- Electrical Transformers, Capacitors, and Dielectric Fluids
- Petroleum Contaminated Soils

ATTENTION!

- This WPS is for the above listed fuel only.
- Accumulate the above fuel in separate containers.
- Flammable DO NOT store near oxidizers, corrosives, or heat sources.
- Store in well ventilated areas.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



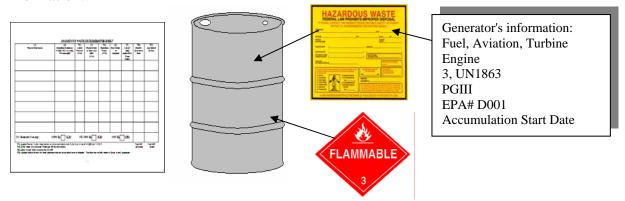
STEP 1 Select an Approved Container

Check the Hazardous Waste Accumulation Area to determine if a container has already been established for your waste IAW Step 2. If one has, skip to Step 3.

Approved Container: 30-gallon or greater non-removable head DOT Rated Drum. Inspect container for dents, bulges, or excessive corrosion.

STEP 2 Prepare, Mark, and Label the Container

Attach a "Hazardous Waste" marking sticker to the side of the container. Fill in generator information.



STEP 3 Put Waste in the Container

Wear the proper Personal Protective Equipment Listed on the MSDS. Ground the drum to prevent static electricity from building up. Add contaminated JP Fuel to the drum, leaving ample head space in the drum: On the Waste Accumulation Inventory Log, document JP Fuel added IAW procedures in the "Adding Waste to the Container" section in Chapter 5.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

JP-8 Fuel Filters

ATTENTION!

- This WPS is for the above listed used JP-8 fuel filters only.
- Accumulate the above fuel filters in separate containers.
- Flammable DO NOT store near oxidizers, corrosives, or heat sources.
- DO NOT mix the above fuel filters with USED OIL filters. DO NOT CRUSH JP-8 FUEL FILTERS.
- Store in well ventilated areas.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



STEP 1 Select an Approved Container

Check the Hazardous Waste Accumulation Area to determine if a container has already been established for your waste IAW Step 2. If one has, skip to Step 3.

Approved Container: 30-gallon or greater removable head DOT Rated Drum. Inspect container for dents, bulges, or excessive corrosion. The drum must be lined or the fuel filters must be placed in a plastic bag prior to adding to the drum.

STEP 2 Prepare, Mark, and Label the Container

Attach a "Hazardous Waste" marking sticker to the side of the container. Fill in generator information.



STEP 3 Put Waste in the Container

Wear the proper PPE Listed on the MSDS. Ground the drum to prevent static electricity from building up. Add uncrushed JP –8 fuel filters to the drum. On the Waste Accumulation Inventory Log, document JP-8 fuel filters.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

LATEX PAINT & PRIMER

Any Latex or other Non-flammable Non-Metal Bearing Coating

ATTENTION!

- Separate paints by NSN.
- Dispose of latex paint that has dried as solid waste.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



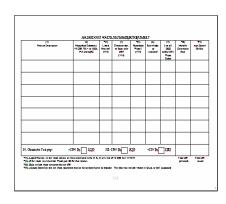
STEP 1 Select an Approved Container

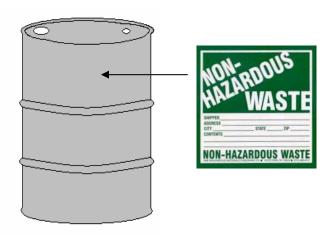
Approved Container: 30 gallon or greater DOT rated drum (non-removable head for free flowing liquids, and removable head for containerized liquids).

Inspect container for dents, bulges, or excessive corrosion.

STEP 2 Prepare, Mark, and Label the Container

Complete and attach the NON-Hazardous Waste Label





STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add Paint to container On a Hazardous Waste Determination Sheet add Paint.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

M229 Refill Kits

ATTENTION!

- Dispose of entire kit together
- Store in well ventilated areas
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

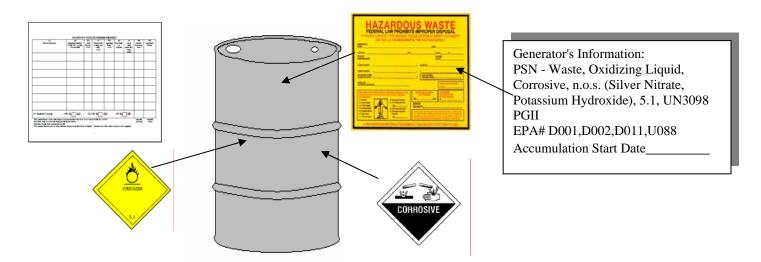


STEP 1 Select an Approved Container

Approved Container: DOT approved container (do not remove the product from it's original container).

STEP 2 Prepare, Mark, and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 5.1 and Class 8 (subsidiary) labels.



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add M229 kit to container On a Hazardous Waste Determination Sheet add M229 kit.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

M256 TRAINING KIT

ATTENTION!

- Dispose of entire kit together
- Store in well ventilated areas
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



STEP 1 Select an Approved Container

Approved Container: DOT approved container (do not remove the product from it's original container).

STEP 2 Prepare and label the container

Complete and attach the Hazardous Waste Label. Attach DOT Class 3 label



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add M256 Training Kit to container On a Hazardous Waste Determination Sheet add M256 training kit.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

M256 AND M256A1 - DETECTOR KITS

6665-01-133-4964 OR 6665-01-133-8399

ATTENTION!

- Dispose of entire kit together
- Store in well ventilated areas
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

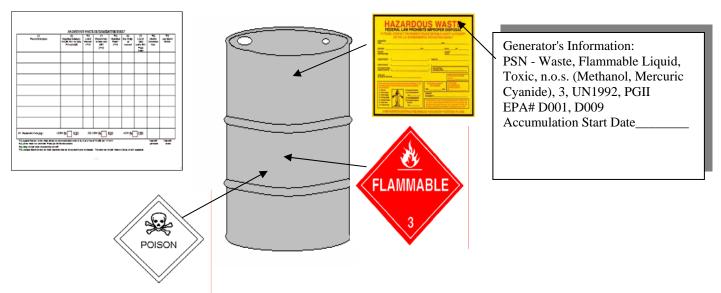


STEP 1 Select an Approved Container

Approved Container: DOT approved container (do not remove the product from it's original container).

STEP 2 Prepare and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 3 and 6 label



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add M256 Detector kits to container On a Hazardous Waste Determination Sheet add M256.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

M258/M258A1 Skin Decon Kits

ATTENTION!

- Dispose of entire kit together
- Store in well ventilated areas
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

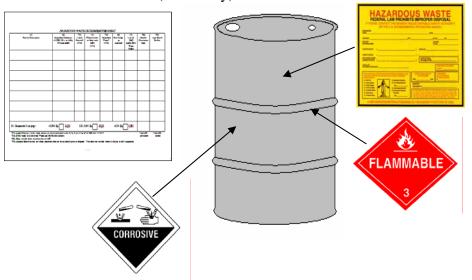


STEP 1 Select an Approved Container

Approved Container: DOT approved container (do not remove the product from it's original container).

STEP 2 Prepare and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 3 label, and Class 8 (subsidiary) label.



Generator's Information: PSN - Waste, Flammable Liquid, Corrosive, N.O.S. (Ethanol, Sodium Hydroxide), 3, UN2924, PGII EPA# D001 Accumulation Start Date

STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add M258/M258A1 into container On a Hazardous Waste Determination Sheet add M258/M258A1.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

M58/M58A1- Training Aid Skin Decon Kits

ATTENTION!

- Dispose of entire kit together
- Store in well ventilated areas
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

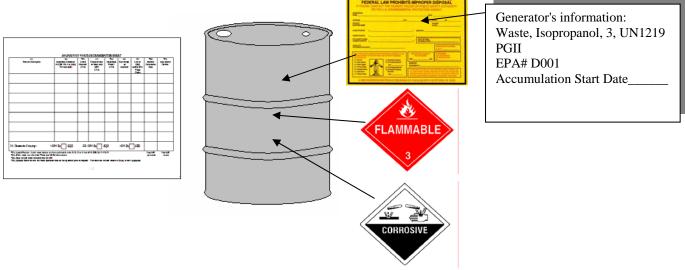


STEP 1 Select an Approved Container

Approved Container: DOT approved container (do not remove the product from it's original container).

STEP 2 Prepare and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 3 label and subsidiary Class 8 label.



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add M58/M58A1 into container On a Hazardous Waste Determination Sheet add M58/M58A1.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

NON-LATEX PAINT AND PRIMER

CARC, Enamel, Polyurethane Coatings, Primer, other Non-Latex, or Non metal Bearing Coatings

ATTENTION!

- Separate paints by NSN.
- Flammable liquids
- Store in well-ventilated areas
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



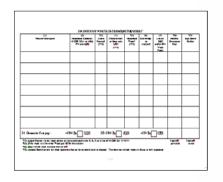
STEP 1 Select an Approved Container

Approved Container: 30 gallon or greater DOT rated drum (non-removable head for free flowing liquids, and removable head for containerized liquids).

Inspect container for dents, bulges, or excessive corrosion.

STEP 2 Prepare, Mark, and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 3 label





Generator's information:
Waste, Paint Related Material, 3
UN1263, PGII
EPA # - D001 (any heavy metals see
MSDS or call HWM)
Accumulation Start Date ______

STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add Paint to container On a Hazardous Waste Determination Sheet add Paint.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

OIL FILTERS

ATTENTION!

- Puncture the filter anti-drain back valve or the filter dome end and hot drain (temperature of engine running) for at least 12 hours.
- Crush the oil filters with an approved method, such as an Oberg oil filter crusher.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

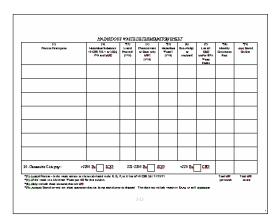


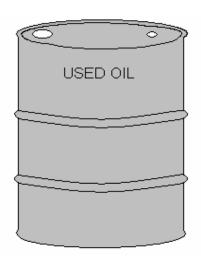
STEP 1 Select an Approved Container

Filters should be drained into a drum or tank that is marked "Used Oil".

STEP 2 Prepare, Mark, and Label the Container

Mark the container "USED OIL".





STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS.

Open drum slowly, keeping head clear of the opening.

Drain oil filters into container.

On a hazardous waste determination sheet add used oil.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

Oil filters can be crushed or thoroughly drained and then disposed of as solid waste. Used oil will be recycled, contact HWM at (503) 584-3862 for guidance.

OIL USED

ATTENTION!

- ORARNG generated used oil is collected at all OMSs, UTESs, AASFs, and CSMS.
- Units transporting used oil to one of the above collection facilities must:
 - 1. Transport used oil in ORARNG vehicles only
 - 2. Never transport more than 55 gallons of used oil per vehicle.
- DO NOT pour used oil onto the ground or use oil to suppress dust.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.
- Used oil is defined as used motor oil (all weights), lubricants, hydraulic fluid, brake fluid, grease, machine cutting oil, transmission fluid, and silicone brake fluid.

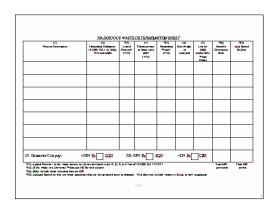


STEP 1 Select an Approved Container

Approved Container: 30-gallon or greater non-removable head drum. *Inspect container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare, Mark, and Label the Container

Mark the container "USED OIL".





STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS.

Open drum slowly, keeping head clear of the opening.

Pour oil into container.

On a hazardous waste determination sheet add used oil.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

Used oil will be recycled, contact EPS at (503) 584-3862 for guidance.

PAINT CHIPS-METAL BEARING PAINT

Paint Debris or Dried Paint from any Metal Bearing Paint

ATTENTION!

- Consult the MSDS for the dried paint to determine if it contains metals.
- Store in well-ventilated areas
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



STEP 1 Select an Approved Container

Approved Container: 30 gallon or greater DOT rated drum removable head. *Inspect container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare, Mark, and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 9 label.





Generator's Information:
Hazardous Waste Solid, n.o.s. (Heavy metals), 9, NA3077, PGIII
EPA# D---(heavy metals, see MSDS or call HWM)
Accumulation Start Date_____

STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add Paint chips to container On a Hazardous Waste Determination Sheet add Paint chips.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

PAINT THINNER, STRIPPER, AND REMOVER

ATTENTION!

- Separate material by type and do not mix different types together.
- CAUTION: May be flammable or corrosive.
- Store in well-ventilated area.
- DO NOT mix absorbents soaked with different hazardous products.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



STEP 1 Select an Approved Container

Approved Container: 30 gallon or greater DOT rated drum (non-removable head for free flowing liquids, and removable head for containerized liquids). *Inspect container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare, Mark, and Label the Container

Complete and attach the Hazardous Waste Label Attach DOT Class 3 label (possibly class 8 check with MSDS or HWM).



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add Product container On a Hazardous Waste Determination Sheet add Product.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

PARTS WASHERS SOLUTIONS AND FILTERS

ZEP, Aqueous, Contracted & Inland Technology (weapons cleaner) solutions and filters

ATTENTION!

- Store in well-ventilated area
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



Each washer is handled differently.

Lab analysis are required to determine if the solution is hazardous or non-hazardous.

Follow the procedures in chapter 5 for requesting laboratory analysis. Call the EPS at (503) 584-3862 to request lab analysis. Label the container with the following information until the lab analysis are returned.



Once the laboratory analysis have been received contact HWM at (503) 557-5294 for proper guidance on disposal procedures.

Solvents that are non-hazardous will be clearly marked as 'SOLVENT, NON-HAZARDOUS" and the NSN of the original material if available. Any old markings or labels must be removed or obliterated.

Solvents that are HW will be labeled in accordance with the lab results.

Follow the procedures in chapter 6 for disposal of HW and NHW solutions.

PCBs (Polychlorinated Biphenyl's)

PCBs, light ballasts, transformers, dielectric fluid or coolant, capacitors, safety fuses, thermal cut-off switches, electric motors, hyraulic machinery

ATTENTION!

- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

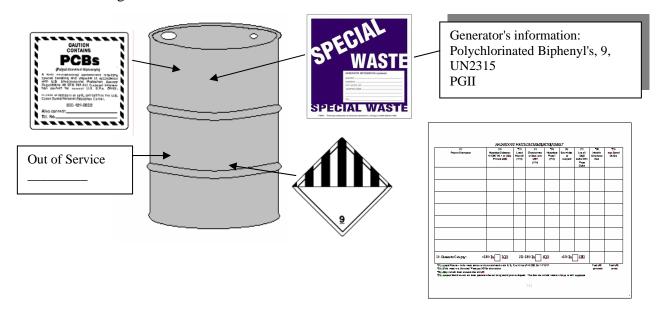


STEP 1 Select an Approved Container

Approved Container: DOT approved container. *Inspect the container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare and Label the Container

Complete and attach a Special Waste Label. Attach DOT Class 9 label and PCB marking. Mark the out of service date on the container.



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS On a Hazardous Waste Determination Sheet add PCBs.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

PENDING SAMPLE

ATTENTION!

- CAUTION! Maybe flammable, corrosive, and or reactive
- Store in well-ventilated area
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

Call laboratory of your choice, they must be able to take Government Credit Card, or purchaser order. Get price for the laboratory analysis, and tell the lab you will get back with them as soon as your environmental office approves it. Call the EPS at (503) 584-3862, with the price. Then make arrangements to have the lab take the sample. Once the results come back interpret the analysis or call the EPS or the Hazardous Material Id & Exam at USPFO-SDC (503) 557-5294 for assistance. **DO NOT WAIT TO INTERPRET ANALYSIS!**



STEP 2 Prepare, Mark, and Label the Container

Mark the container or use label "Pending analysis", and put accumulation start date on container.

Fill in Generator Information. To determine the proper shipping name, interpret the lab analysis or contact the EPS or HM ID & Exam for assistance. On the HW Determination sheet, document the appropriate information per the analysis.

STEP 3 Put Waste in the Container

Not applicable, waste should already be contained.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

PESTICIDE CONTAINERS

ATTENTION!

- Separate by NSN
- DANGER! MAY BE POISONOUS
- **DO NOT** handle waste unless you have been trained or are supervised by trained personnel.
- **DO NOT** eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

Some pesticides are Universal Waste, and other are "P" or "U" listed wastes.

Contact EPS or HM ID & Examiner for assistance with any pesticides that need to be discarded.

Contaminated, empty containers (unrinsed containers) are "hazardous wastes" unless they are accepted by a pesticide distributor or manufacturer for refill or are decontaminated. If discarded, contaminated containers must be disposed of as hazardous waste. This expensive practice can be avoided by decontaminating them. At the time of emptying, decontaminate rigid containers such as plastic pails or drums, metal pails or drums, and, fiber containers by:

- (1) Pressure or multiple rinsing (multiple rinse with the appropriate diluent at least, three time, or as often as necessary to make the container clean; if possible, multiple rinse nonrigid container such as paper containers lined with plastic or foil. Always use this rinsate for your next batch of pesticide spray mix.
- (2) Visually verifying that the residues have been removed from the inside and outside of the containers;
- (3) Drying (the container's interior surfaces should be dried before crushing); and
- (4) Crushing or physically altering, such as puncturing, the containers.

(**Note:** One and five gallon metal containers are to be punctured with at least three one inch holes in the top and bottom before crushing. Thirty and fifty-five gallon containers are required to have both the tops and bottoms cut out and then flattened. Plastic containers do not need to be crushed.)

Decontaminated containers will be recycled.

PROTECTIVE MASK FILTERS

M17, M24, M25, and M40 Series Protective Mask Filters

ATTENTION!

- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.



STEP 1 Select an Approved Container

Approved Container: DOT approved Container *Inspect the container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 9 label.



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS On a Hazardous Waste Determination Sheet add protective mask filters.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

RAGS - USED

Any non-contracted or contracted rags used to clean or absorb liquids

ATTENTION!

- Non contracted rags need to follow WPS of ingredient on rag, call HWM for assistance.
- If rags are not under a service contract to be cleaned and reused they are to be managed under the appropriate Absorbent-Hazardous Chemicals or Absorbent Non-Hazardous Chemical WPS.
- Collect rags in one central location.
- Rags will not have any free flowing product on them (dripping with product).



STEP 1 Select an Approved Container

Approved Container: Contractor provided container, Non contracted rags will use metal container with lid.

STEP 2 Prepare, Mark, and Label the Container

Mark the container as follows: **USED RAGS (RAG SERVICE CONTRACTOR)**





STEP 3 Put Waste in the Container

Wear the proper PPE listed in the MSDS Open the container slowly, keeping your head clear of the opening Add used rags to container.

STEP 4 Store Waste in an Approved Location

Use centralized location for used rag collection.

STEP 5 Turn-in Procedures

Used Contracted rags will be picked up by a statewide contractor. Generator must keep a copy of the contract, and keep it accessible for inspection purposes. Non contracted rags turn in IAW Chapter 6.

SULFURIC ACID

ATTENTION!

- CAUTION! Corrosive Material Acidic
- Store in well-ventilated area.
- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

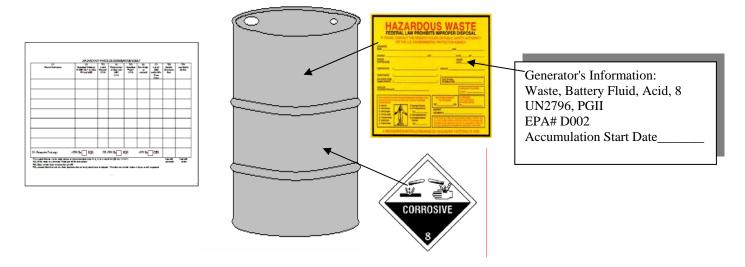


STEP 1 Select an Approved Container

Approved Container: 30 gallon or greater DOT rated drum (non-removable head for free flowing liquids, and removable head for containerized liquids). *Inspect container for dents, bulges, or excessive corrosion.*

STEP 2 Prepare, Mark, and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 8 label



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS Add Sulfuric Acid to container On a Hazardous Waste Determination Sheet add Sulfuric Acid.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

TIRES

Used or Scrap automotive tires

ATTENTION!

- USED TIRES a tire that can be salvaged and retreaded or sold as a good, functional vehicle tire.
- NOTES Only dispose of Used tires through USPFO-Class IX.
- DO NOT store tires near excessive heat sources or open flames



STEP 1 Select an Approved Container

Approved Container: no container is required

STEP 2 Store Waste in an Approved Location

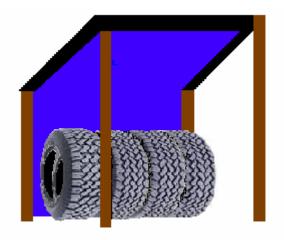
Store tires standing up and under cover to prevent rainwater collection DO NOT accumulate more than 100 waste tires.

STEP 3 Turn-in Procedures

Tires are to be turned in to USPFO-Class 1X with a 2765-1E using the standard turn-in procedures.

Keep documentation to establish that the tires were properly disposed of:

receipts
bills of lading
or other similar documents to
establish the disposition of the
waste tires.



The receipts must contain the following information: the date, number of volume of waste tires hauled and the address of where the waste tires were taken. An official representative of the location to which the waste tires were taken for storage, processing or disposal shall sign the receipts.

Keep these receipts for two years following disposal of the tires.

WASHRACK SLUDGE/OIL WATER SEPARATOR SLUDGE

ATTENTION!

- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

Each site must conduct laboratory analysis (Baseline) every three years.

STEP 1 See Pending Sample 5-50. Some washrack sludges are Hazardous Waste.

STEP 2 Contact a local laboratory to obtain an itemized cost estimate for the following lab analysis:

TCLP (8 METALS) NWTPH-Dx

Flashpoint for sludge

STEP 3 Contact AGI-ENV for a purchase order number for the lab analysis.

STEP 4 Make arrangements with the local laboratory to draw samples.

STEP 5 DO NOT ADD TO THE SLUDGE WHILE PENDING LAB RESULTS

STEP 6



- STEP 7A If the lab analysis identified the sludge as hazardous waste contact the HM Identifier for assistance.
- STEP 7B If the lab analysis identified the sludge as non-hazardous contact AGI-O at (503) 584-3596 for disposal instructions.

WEAPON CLEANING RAGS, PATCHES, RESIDUE

ATTENTION!

- DO NOT handle waste unless you have been trained or are supervised by trained personnel.
- DO NOT eat, drink, or smoke while handling waste. Always wash skin with soap and water after handling waste.

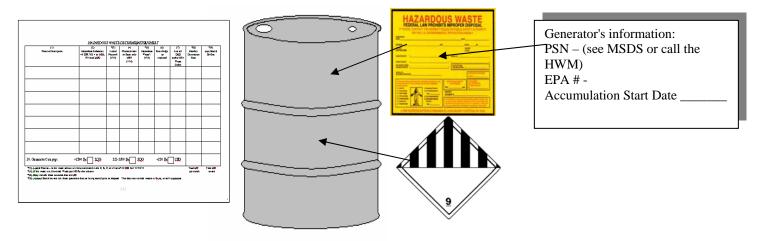


STEP 1 Select an Approved Container

Approved Container: DOT approved Container Inspect the container for dents, bulges, or excessive corrosion.

STEP 2 Prepare and Label the Container

Complete and attach the Hazardous Waste Label. Attach DOT Class 9 label if applicable.



STEP 3 Put Waste in the Container

Wear the proper PPE listed on the MSDS On a Hazardous Waste Determination Sheet add CLP.

STEP 4 Accumulate Waste in an Approved Location

Accumulate waste in an approved designated area as described in Chapter 4.

STEP 5 Turn-in Procedures

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