# Decoding RCRA: Navigating the Basics of Hazardous Waste

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Protection Agency

## Resource Conservation and Recovery Act (RCRA)





#### The cornerstone of RCRA

## **WASTE EVALUATION**



### What is a waste?

Discarded Material

- Disposed
- Burned
- Stored or treated (in lieu of discarding)

Recycled Material

- Applied on ground
- Burned for energy recovery
- Speculatively accumulated



### What is not a waste?

## Excluded waste

• Found in OAC rule 3745-51-04

## Reused or reclaimed materials

Applies only to certain materials



### **Waste Evaluation**

Under Ohio's laws, all wastes must be <u>evaluated</u> by the generator.

Generator

 Any person, by site, whose act or process produces or causes a hazardous waste to become subject to the hazardous waste rules.



### **Hazardous Waste Determination**

- Applies to all generators
- Failure to properly evaluate your waste may lead to unsafe conditions or violations from improper management





### **Hazardous Waste Determination**

- Determination must be made at the point of generation
  - Prior to dilution/mixing/alteration
  - New determination if properties have changed

OAC rule 3745-52-11



## Important!



Don't throw any waste into the dumpster unless you have confirmed and demonstrated that it is NOT a hazardous waste.



### **Hazardous Waste Evaluation**

#### Tools you can use:

- Ohio hazardous waste rules
- Lab analysis of waste
- Generator knowledge
  - Process inputs
  - Information from vendor/supplier
  - Safety Data Sheet (SDS)



<sup>\*</sup>Need to document your evaluation and keep on file

## **Steps To Properly Evaluate Your Waste**

Is your waste excluded?

Is your waste listed?

Does your waste exhibit a characteristic?



### **Excluded Wastes**

Not subject to Ohio's hazardous waste regulations:

- OAC rule 3745-51-04 Exclusions
  - Examples: Domestic sewage, NPDES discharge, non-terne-plated oil filters, shredded circuit boards, excluded scrap metal, household hazardous waste, solvent contaminated wipes

- OAC rule 3745-51-06 Recyclable Materials
  - Examples: Used oil, contaminated wipes, and apparel



# Listed Hazardous Wastes F-Listed

### Non-specific waste sources (F-listed)

- OAC rule 3745-51-31
- Means HW can be generated from any type of manufacturing process

#### **Examples:**

- Spent solvents
  - F001, F002, F003, F004, F005
- Spent electroplating operation wastes
  - F006, F007, F008, F009



## **F-Listing Table Example**

Industry and EPA Hazardous Waste No.	Hazardous Waste	Hazard Code
F004	The following spent non-halogenated solvents: cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten per cent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F005	The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten per cent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(I, T)



# Listed Hazardous Wastes K-Listed

- Specific waste sources (K-listed)
  - OAC rule 3745-51-32
  - Waste is only generated from the specific type of industry and process given in the listing description

#### Examples

- Spent potliners from primary aluminum-K088
- Iron and steel production
  - Electric arc furnace dust K061
  - Spent pickle liquor K062



## **K-Listing Table Example**

Industry and EPA Hazardous Waste No.	Hazardous Waste	Hazard Code			
Wood preservation K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.	(T)			
Inorganic pigments					
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.	(T)			
K003	Wastewater treatment sludge from the production of molybdate orange pigments.	(T)			
K004	Wastewater treatment sludge from the production of zinc yellow pigments.	(T)			



# Listed Hazardous Wastes P- or U-Listed

- Discarded commercial chemical products (P- and U-listed)
  - OAC rule 3745-51-33
  - Must be an unused commercial chemical product
- Examples of P-listed hazardous wastes:
  - Copper cyanide P029
  - Phosgene P095
- Examples of U-listed hazardous wastes:
  - Creosote U051
  - Acetonitrile U003



### **Characteristic Hazardous Wastes**

Ignitable - OAC rule 3745-51-21

Corrosive - OAC rule 3745-51-22

Reactive - <u>OAC rule 3745-51-23</u>

Toxic - OAC rule 3745-51-24



# Ignitable Hazardous Wastes D001 Waste Code

- Liquid & flash point <140°F (except solution <24% alcohol by volume)</li>
- Ignitable compressed gases
- Solids that spontaneously ignite & burn vigorously
- Oxidizers as defined DOT rules
- Examples include:
  - Solvents/degreasers
  - Some metal swarfs





# Corrosive Hazardous Wastes D002 Waste Code

- Aqueous solution;  $pH \le 2$  or  $pH \ge 12.5$
- Liquid that corrodes steel at a specified rate
- Examples include:
  - Acids
  - Alkaline cleaning fluids
  - Waste battery acids





# Reactive Hazardous Wastes D003 Waste Code

- Explosive, unstable, reacts violently with water or generates toxic gas
- Examples include:
  - Dynamite
  - Waste peroxides and ethers





# Toxic Hazardous Wastes D004 -D043 Waste Codes

- Contains toxic constituents equal to or above regulatory levels
  - 8 metals; 32 organics
- Determined by Toxicity Characteristic Leaching Procedure (TCLP)



- Examples include:
  - Electronic equipment, most cathode ray tubes
  - Spent foundry sand, some clay poker chips, certain waste pesticides

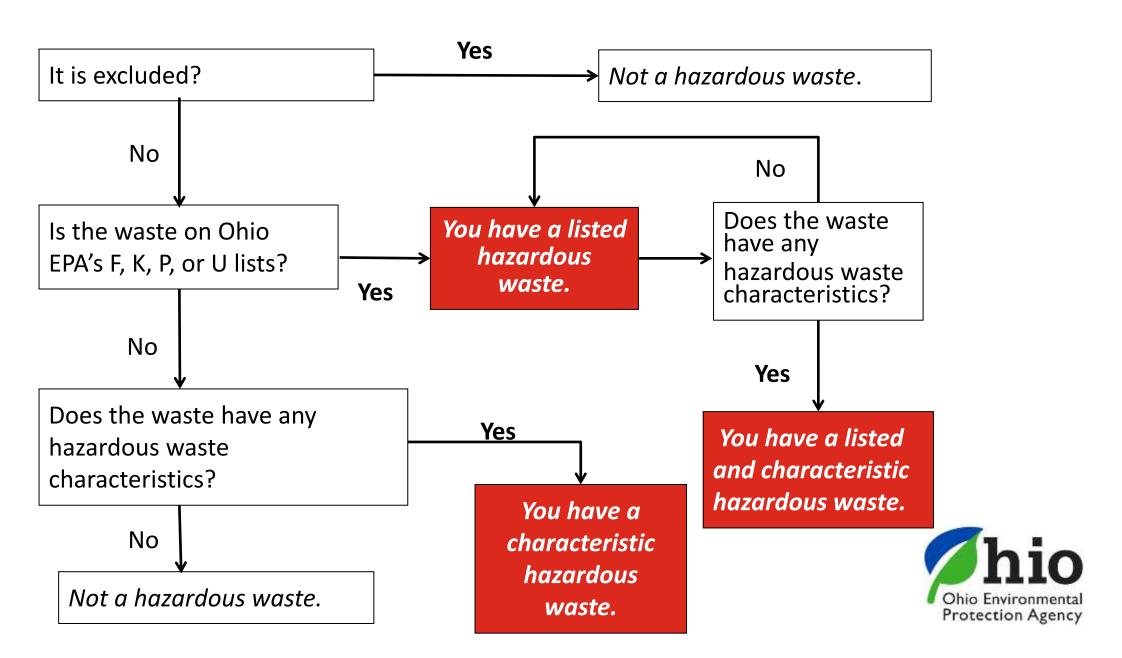


## **Toxic Hazardous Waste Examples**

Ohio EPA Hazardous Waste No.	Contaminant	CAS No	Regulatory Level (mg/l)
D004	Arsenic	7440-38-2	5.0
D005	Barium	7440-39-3	100.0
D006	Cadmium	7440-43-9	1.0
D007	Chromium	7440-47-3	5.0
D008	Lead	7439-92-1	5.0
D009	Mercury	7439-97-6	0.2
D010	Selenium	7782-49-2	1.0
D011	Silver	7440-22-4	5.0

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### Do I have a hazardous waste?



### **GENERATOR CATEGORIES**



## **Generator Categories**

Very Small Quantity Generator (VSQG)

Small Quantity Generator (SQG)

Large Quantity Generator (LQG)



## **Poll Question**

What size generators do we have with us today?

- a) LQG
- b) SQG
- c) VSQG
- d) Not sure
- e) I'm a student, consultant, or TAP



## **Determining Your Category**

Total weight of hazardous waste generated by the facility in one calendar month

For example: Hazardous waste that you generate between October 1 and October 31

Total amount of hazardous waste on-site at any given time (only pertains to VSQGs and SQGs)

NOTE: Generator categories are NOT determined by the weight of waste shipped off-site or by averaging

OAC rule 3745-52-13



## **Determining Your Category**

Quantity of Acute Hazardous Waste per Month	Quantity of Non-acute Hazardous Waste per Month	Quantity of Residues from Cleanup of Acute Hazardous Waste per Month	Generator Category
> 1 kg	Any amount	Any amount	LQG
Any amount	≥ 1,000 kg	Any amount	LQG
Any amount	Any amount	> 100 kg	LQG
≤ 1 kg	> 100 kg and < 1,000 kg	≤ 100 kg	SQG
≤ 1 kg	≤ 100 kg	≤ 100 kg	VSQG



## **Very Small Quantity Generators (VSQGs)**

#### **VSQGs**:

- Generate no more than 220 pounds of hazardous waste in a calendar month; AND
- Never accumulate more than 2,200 pounds of hazardous waste on your property

#### Note:

- 220 pounds is about half of a 55-gallon drum
- 2,200 pounds is about five 55-gallon drums



## **Small Quantity Generators (SQGs)**

#### SQGs:

 Generate more than 220 pounds but less than 2,200 pounds of hazardous waste/month; and

 Never accumulate over 13,200 pounds of hazardous waste on-site



## Large Quantity Generators (LQGs)

#### LQGs:

generate 2,200 or more pounds of hazardous waste/month

Note: No limit on amount of hazardous waste stored on-site

OAC Rule 3745-52-17



## **GENERATOR REQUIREMENTS**



## **U.S. EPA Identification Number (12-digit)**

#### **VSQGs** - Not Required

Waste hauler might want you to have one

### **SQGs** and **LQGs** – Required

Site specific, identifies company that created the waste

No fee – register at <u>myRCRAid (RCRAInfo)</u> or submit the <u>9029 Site</u> ID form

- Notification of Regulated Waste Activity Web page
- Need help? Call us: 614-644-2924



## **SQG** and **LQG** Re-Notification

- SQGs are required to re-notify every 4 years using Form 9029
  - Started in 2021
  - Submitted by September 1
- LQGs are required to re-notify by March 1 of even-numbered years using Form 9029
  - Can be done as part of biennial report



# Container and Tank Management Requirements

SQG

&

LQG

- Good condition
- Compatible with contents and area
- Marked with words "Hazardous Waste"
- Marked with indication of hazards



# **Marking and Labeling**











#### **Container or Tank**

# Portable Container



## Stationary Tank





#### **Container Management Requirements**

- Closed (lids/bungs)
- Conduct weekly inspections
- LQG: Ignitable/reactive located 15 meters (50 feet)
   from facility's property line (LQG can get a waiver from fire department)
- LQG: U.S. EPA air emission standards (i.e., AA, BB, CC)



# **Container Management**





#### **Tank Management Requirements**

Only applies to SQGs and LQGs

Large Quantity Generator Tank
 System Requirements

SQG: <u>3745-52-16(B)(3)</u>

LQG: <u>3745-52-17</u>(A)(5)





#### **SQG Tank Management Requirements**

- Show emptied/turned over once every 180 days
- Daily/weekly inspections
- Remove all hazardous waste from site when facility closes

OAC rule 3745-52-16(B)(3)



#### **LQG Tank Management Requirements**

- Show emptied/turned over once every 90 days
- Daily inspections
- Secondary containment
- Leak detection system



#### **LQG Tank Management Requirements**

- Tank system assessment/certification by PE
- Closure
- U.S. EPA air emission standards (i.e., AA, BB, CC)



#### **Satellite Accumulation**

- Use of this rule reduces some regulatory requirements for storage areas
- Only applies to SQGs and LQGs

Satellite Accumulation Guidance Document



OAC rule 3745-52-15



#### **Satellite Accumulation Area Requirements**

- Up to 55 gallons of hazardous waste in containers at or near each point of generation
- Containers must be under control of the operator of the process which generated the waste
- Containers must be compatible with waste and in good condition not leaking



## **Satellite Accumulation Area Requirements**

Containers must be marked with the words "Hazardous Waste" AND an indication of the hazards of the contents





#### **Satellite Accumulation Area Requirements**

- Containers must remain closed except when:
  - adding or removing hazardous waste
  - temporary venting of a container is necessary
    - 1. For proper operation of equipment
    - 2. To prevent dangerous situations



## What happens when I reach the 55-gallon limit?

- Move the container within 3 days
- Date the container
- Comply with accumulation requirements (180/90-day storage limits)





#### **Poll Question**

Background: A hazardous waste satellite accumulation area, one barrel has been full for over a week



#### What's wrong?

- a) Nothing labeled as "hazardous waste" and no indication of hazards
- b) Missing accumulation start date
- c) Too many containers
- d) Open container of waste
- e) All of the above



#### **How long may I store HW on-site?**

- VSQGs do not have any storage time limits
- SQGs can store hazardous waste on-site for up to <u>180 days</u>; HOWEVER, if transporting a distance of 200 miles or more, can store for up to 270 days (<u>30-day extension available</u>)
- LQGs can store hazardous waste on-site for up to <u>90 days</u> (30-day extension available)



#### **Hazardous Waste Treatment**

**<u>Treatment</u>** - any method, technique, or process, designed to:

- render waste non-hazardous
- less-hazardous
- safer to transport, store, or dispose of
- amenable for recovery
- amenable for storage
- reduced in volume

Defined in OAC rule 3745-50-10(T)(13)

**Generator Treatment Guidance Document** 



## May I treat my hazardous waste on-site?

#### • Allowed (without permit):

- Neutralization
- Polymerization
- Stabilization
- Wastewater treatment



#### Not Allowed:

- Thermal treatment (incineration, certain evaporators)
- Land disposal (surface impoundments, landfills)
- 90/180-day time limits still apply during treatment



#### **Shipping Waste Off-Site**

VSQGs are not required to prepare a manifest (unless they become an episodic generator)

SQGs and LQGs must prepare manifest and:

- Package HW
- Label each package of HW
- Mark each package of HW
- Placard or offer the initial transporter the appropriate placards

Found in OAC rules 3745-52-30 to 3745-52-33



#### **Shipping Waste Off-Site**

Department of Transportation shipping requirements:

Contact <u>Public Utilities Commission of Ohio</u>
 for more information (800-686-7826)





#### **Manifesting Requirements**

Manifests are HW tracking documents

U.S. EPA has info on where to get them



SQGs and LQGs must manifest their HW

- Each person who transports, stores, treats, or disposes must sign & retain a copy
- Must receive signed copy of your manifest from the final destination facility

OAC rules 3745-52-20 to 3745-52-23



#### National e-Manifest System

- U.S. EPA established a national system for tracking hazardous waste shipments electronically.
- This system, known as "e-Manifest," modernized the nation's cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.
- EPA launched e-Manifest on June 30, 2018.
- <a href="https://epa.ohio.gov/divisions-and-offices/environmental-response-revitalization/reports-and-data/national-e-manifest-system">https://epa.ohio.gov/divisions-and-offices/environmental-response-revitalization/reports-and-data/national-e-manifest-system</a>
- https://www.epa.gov/e-manifest



#### Land Disposal Restrictions (LDRs)

- Apply to SQGs and LQGs
- Standards developed to ensure that toxic constituents present in hazardous waste are properly treated before land disposal
- Under LDRs, generators need to complete a notification (one-time) which accompanies manifest to TSD facility
- TSDFs treat your HW to meet LDRs

Land Disposal Restrictions (An Overview)

Found in OAC Chapter 3745-270



## **Emergency Preparedness**

#### SQGs and LQGs must:

- Maintain emergency equipment on-site
- Maintain and operate your facility to minimize the possibility of emergencies
- Test and maintain your emergency equipment 'as necessary' and record the inspections in a log





#### **Emergency Preparedness**

#### SQGs and LQGs must:

- Maintain adequate aisle space
  - Movement of personnel and emergency response equipment
- Make arrangements with local emergency responders & document arrangements

SQG: OAC rules 3745-52-16(B)(8) and (9)

LQG: OAC rule 3745-52-17(A)(6)



# **Emergency Procedures**



Employee on site or on call to act as emergency coordinator

Post information next to phones or in HW areas



Develop written contingency plan

Have a quick reference guide



- Implement plan provisions immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment
- Maintain all reports of contingency plan implementation on-file and report the incidents to Ohio EPA
- Maintain a copy of contingency plan at your facility & submit to local police, fire, hospitals, emergency response teams
- Submit a quick reference guide (OAC rule 3745-52-262)

Example contingency plan available



#### **Contingency Plan Content**

- Actions to be taken in response to fires, explosions, or any unplanned release of hazardous waste
- Arrangements with local police departments, fire departments, hospitals, contractors, state and local emergency response teams to coordinate emergency services
- List of names and telephone numbers of persons qualified to act as emergency coordinator
- Emergency equipment (location, physical description, and capabilities)
- Evacuation plan where there is possibility that evacuation may be necessary

OAC rule 3745-52-261



#### \*Quick Reference Guide\*

New LQGs must submit a Quick Reference Guide when they submit their contingency plan to local emergency responders.

Pre-October 5, 2020 LQGs must submit a Quick Reference Guide at the time they next submit a revised contingency plan to local responders due to other necessary revisions.

#### \*Quick Reference Guide\*

#### **Eight elements:**

- 1. Types/names of hazardous wastes and hazards (e.g., toxic paint wastes, spent ignitable solvents)
- 2. Estimated maximum amount of each hazardous waste
- 3. Identification of hazardous waste requiring unique or special treatment

# \*Quick Reference Guide\* (continued)

- 4. Map of the facility identifying where hazardous waste may be located
- 5. Street map of the facility and surroundings
- 6. Location of water supply
- 7. Information about on-site notification systems
- 8. Name of emergency coordinator and 24/7 phone number



# **LQG Closure Requirements**

When an LQG closes an accumulation unit or their entire facility, a notification is required

- Place a notice in the operating record within 30 days after closing an accumulation unit
- Notify Ohio EPA 30 days prior to closing the facility
- Notify Ohio EPA within 90 days after closing an accumulation unit or entire facility that you met the closure performance standards

## **LQG Closure Requirements**

- If an LQG needs more than 90 days, they must submit an extension request no later than 75 days after closure
- Closure does not apply to satellite accumulation areas, only central accumulation areas



#### **Training Requirements**

VSQGs are not required to conduct personnel training

#### SQGs must:

 ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures

#### LQGs must:

- conduct classroom instruction or on-the-job personnel training for facility employees
- conduct annual refreshers and keep records

SQG: OAC rule 3745-52-16(B)(9)(c)

LQG: OAC rule 3745-52-17(A)(7)



## **Training Requirements-LQG**

- Facility personnel should be able to respond effectively to emergencies involving hazardous waste
- Employees should be familiar with:
  - Emergency procedures
  - Emergency equipment
  - Emergency systems
  - Contingency plan implementation



## **Training Requirements-LQG**

 Job titles for each position at the facility related to hazardous waste management, and the name of the employee filling each job

OAC rule 3745-52-17(A)(7)(d)(i)

 A written job description for each position listed under a job title description

OAC rule 3745-52-17(A)(7)(d)(ii)



#### **Training Requirements-LQG**

 A written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under paragraph (D)(1) of this rule

OAC rule 3745-52-17(A)(7)(d)(iii)



## **Training Requirements-LQG**

 Records showing training or job experience has been completed

OAC rule 3745-52-17(A)(7)(d)(iv)



## **Training Requirements-LQG**

- Records for current personnel must be kept until closure of the facility
- Records for former employees must be kept for at least <u>three years</u>
   <u>from the date</u> the employee last worked at the facility

OAC rule 3745-52-17(A)(7)(e)



# Reporting Requirements Exception Report

- Exception reports are part of the RCRA manifest tracking system
- After you send waste off-site for disposal, the TSDF is required to return to you a copy of the original manifest
- If you don't receive the manifest from the TSDF, then you must submit an exception report to Ohio EPA
  - SQGS- 60 days
  - LQGs- 45 days (contact transporter at 35 days)

OAC rule 3745-52-42



# Reporting Requirements Biennial Report

- Only LQGs file <u>biennial reports</u>
  - Includes episodic generators who became LQGs
  - Use eDRUMS in the eBusiness Center to file
  - https://epa.ohio.gov/divisions-and-offices/environmental-response-revitalization/reports-and-data/hazardous-waste-reporting
- Report provides Ohio EPA and U.S. EPA with data concerning your facility's hazardous waste generation, management, and waste minimization activities
- Due by March 1 in even numbered years (Reports were due last week)

OAC rule 3745-52-41





VSQGs must be able to demonstrate:

- They've evaluated their waste
- Have ensured proper disposal



OAC rules 3745-52-14 (A)(2) & (A)(5)



Three years\*

- Test results
- Waste analysis
- Other determinations

\*for at least three years <u>after</u> the date that the waste was last sent to on-site or off-site treatment, storage, or disposal



SQGs and LQGs must keep a copy of the following for at least 3 years:

- Manifests
- LDRs
- Biennial reports



OAC rules <u>3745-52-40</u> and <u>3745-52-11(F)</u>



 Inventory logs or records to demonstrate tanks have been emptied within 180/90 days of entering





## LQG Additional Recordkeeping Requirements

- Personnel training documents
- Contingency Plan
- Closure notification





## **Generator Requirements Summary Table**

### Generator Requirements Summary Table

- Management requirements
- OAC references
- VSQG, SQG, or LQG compliance requirements



## **Alternative Standards for Episodic Generation**

Applicability - <u>3745-52-230</u>

Definitions - 3745-52-231

Conditions - <u>3745-52-232</u>

Petition for 2<sup>nd</sup> Event - <u>3745-52-233</u>



## **Episodic Generation**

#### **Episodic Provisions**:

- Generators are allowed up to 2 events per year without changing their generator category
- Only allowed one planned and one unplanned event
  - Need to petition for the 2<sup>nd</sup> event
  - Cannot have 2 planned or 2 unplanned events

Hazardous Waste Episodic Generation Factsheet



## **Episodic Generation Notification**

**Planned**: Notify Ohio EPA using Form 9029 at least 30 days prior

<u>Unplanned</u>: Notify Ohio EPA within 72 hours via phone, email, or fax and subsequently submit Form 9029

https://epa.ohio.gov/divisions-and-offices/environmental-response-revitalization/permits-and-notifications/notification-of-regulated-waste-activity

Protection Agency

## **Episodic Generation**

### If you do not qualify for the episodic provisions:

- Must manage your hazardous waste under all applicable generator requirements
- If you reach LQG status at any time during the calendar year, you must file a <u>biennial report</u> (if the generation is in an odd year)



## **Poll Question**



Under the episodic generation rules, could a facility that has had an unplanned episodic generation event, claim a second unplanned episodic event in the same year?

- a) Yes
- b) No



### **MOST COMMONLY CITED VIOLATIONS**



## **Most Commonly Cited Violations**

Waste Evaluation Labeling Inspections **Emergency Equipment Testing Biennial Reports** 



## **Avoiding Violations**Waste Evaluation



Don't throw **any** waste into the dumpster unless you have confirmed **and** demonstrated that it is **NOT** a hazardous waste



# **Avoiding Violations Container Management**

- Keep <u>containers closed</u> while in storage
- Do not open, handle, or store containers in a manner that will cause them to rupture or leak
- Conduct inspections of container storage areas, at least weekly, looking for signs of leaks or deterioration
- Record inspections in a log or summary



# **Avoiding Violations Emergency Equipment**

• Alarm systems, fire protection equipment, spill control equipment, and decontamination equipment must be tested and maintained as necessary to ensure proper operation in time of emergency



Record inspections in log or summary



# **Avoiding Violations Biennial Reporting**

- OAC rule <u>3745-52-41</u>
- Due by March 1 of each even numbered year
- Only report hazardous waste; not universal waste or used oil
- Cover generator activities for the previous calendar year
- Check accuracy and completeness



## **RESOURCES**



# The Division of Environmental Response and Revitalization Program's site

#### **Division Home Page**

https://epa.ohio.gov/divisions-and-offices/environmental-response-revitalization

#### Hazardous Waste Programs Page

https://epa.ohio.gov/divisions-and-offices/environmental-response-revitalization/derr-programs/hazardous-waste

#### Rules

https://epa.ohio.gov/divisions-and-offices/environmental-response-revitalization/regulations/effective-rules

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#### Publications/Guidance Documents/Inspection Checklists

https://epa.ohio.gov/divisions-and-offices/environmental-response-revitalization/guides-and-manuals/hazardous-waste-generator-requirements

## **Recycling Resources**

#### Ohio EPA Recycling Directory

https://recyclesearch.com/profile/ohioepa-recycling-directory

OCAPP Recycling Information and Recycling Market Development Grants

https://epa.ohio.gov/divisions-and-offices/environmental-financial-assistance/recycling

Ohio Materials Marketplace

https://ohio.materialsmarketplace.org/



### **Guidance Documents**

#### Hazardous Waste Generator Handbook

https://epa.ohio.gov/static/Portals/32/pdf/gen\_handbook.pdf

#### Generator Requirements Summary Table

https://epa.ohio.gov/static/Portals/32/pdf/GeneratorRequirementsTable.pdf

#### Hazardous Waste Generator Requirements Guidance

https://epa.ohio.gov/divisions-and-offices/environmental-response-revitalization/guides-and-manuals/hazardous-waste-generator-requirements



### **Additional Websites**

#### How to Clean Up a Broken Mercury Lamp

http://ohioepa.custhelp.com/app/answers/detail/a id/983/~/handling-a-broken-compact-fluorescent-lamp-%28cfl%29

DOT - Transportation of Lithium Batteries

https://www.phmsa.dot.gov/lithiumbatteries

U.S. EPA – RCRA On-Line (rule interpretations instructions)

https://rcrapublic.epa.gov/rcraonline/



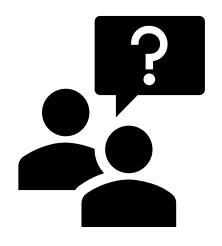
### **Ohio EPA Resources**

Ohio EPA's Customer Support Center https://ohioepa.custhelp.com/

Division of Environmental Response and Revitalization Hazardous Waste Compliance Assurance Section Weekdays from 8 a.m. - 5 p.m. (614) 644-2924

Office of Compliance Assistance & Pollution Prevention (Chat and hotline available)
Weekdays, 8 a.m. – 5 p.m.
(800) 329-7518



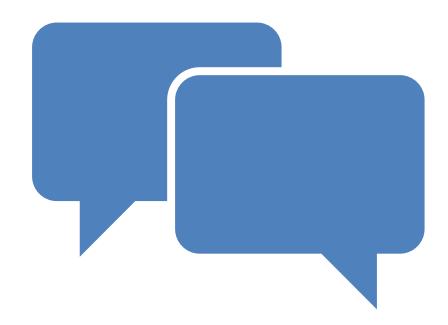


## QUESTIONS



### We Value Your Feedback

Please take the post session survey so we can continue to improve your Ohio EPA webinar experience!





## **Encouraging Environmental Excellence**





To learn more, visit <a href="mailto:epa.ohio.gov/ohioe3">epa.ohio.gov/ohioe3</a>. Visit our Customer Support Center at <a href="mailto:ohioepa.custhelp.com/app/apply">ohioepa.custhelp.com/app/apply</a> to apply.

#### **Encouraging Environmental Excellence (E3)**

- Recognizes organizations for exceptional achievements in environmental stewardship
- For businesses, trade associations, professional organizations, non-profits, higher education institutions, etc.



#### **Encouraging Environmental Excellence for Communities** (E3C)

- Recognizes communities for exceptional achievements in environmental stewardship
- Open to local governments



#### **Encouraging Environmental Excellence in Education (E4)**

- Recognizes schools for their achievements in environmental stewardship and efforts to involve students in environmental topics
- Open to K-12 public or private schools





## Thank you for attending!

#### **Up Next**

- March 8, BWC Safety Congress Environmental Day →
  - Ohio EPA Air Pollution Permit Requirements (1 p.m. 2:00 p.m.)
  - What to expect during an Ohio EPA Inspection (3 p.m. 4:00 p.m.)
- April 5, 2 p.m. 3:00 p.m. → Water Resource Restoration Sponsorship Program

#### Register for Upcoming Sessions

- Visit our website at <a href="https://epa.ohio.gov/about/media-center/events">https://epa.ohio.gov/about/media-center/events</a> to see the date and time for upcoming webinars and other Ohio EPA events
- Visit our website at <a href="mailto:epa.ohio.gov/divisions-and-offices/environmental-financial-assistance/training">epa.ohio.gov/divisions-and-offices/environmental-financial-assistance/training</a> to view recordings of sessions you may have missed
- Create an Ohio EPA Customer Support Center Account at <a href="https://ohioepa.custhelp.com/">https://ohioepa.custhelp.com/</a> to receive email notifications of future webinars

