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## **Topics**

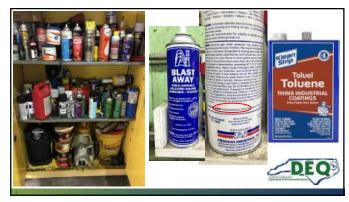
- Solar Panels
- Excluded Solvent-Contaminated Wipes
- Optional Provisions

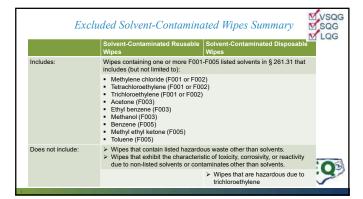
  - ➤ Consolidation of VSQG HW at LQGs
- Hazardous Waste Container Management
  - Satellite Accumulation Area (SAA) units
  - ➤ Central Accumulation Area (CAA) units
  - ➤ Empty Containers











	Solvent-Contaminated Reusable Wipes	Solvent-Contaminated Disposable Wipes
Storage:	Must be accumulated, stored, and transported in:  Non-leaking, closed containers that can contain free liquids (if they occur)  Must be labeled/marked "Excluded Solvent-Contaminated Wipes"  They may be accumulated for up to 180 days  Wipes must not contain free liquids prior to being sent for cleaning or disposal	
Free Liquids:	Free liquids removed from wipes must be managed as hazardous waste.	
Handling Facilities:	Laundry or dry cleaner whose discharge is regulated under the Clean Water Act	<ul> <li>To a combustor regulated under the Clean Air Act or hazardous waste combustor; or</li> <li>To a municipal solid waste landfill</li> </ul>



#### Solvent-Contaminated Wipes Recordkeeping



Generators must maintain documentation that includes:

- Name & address of the laundry, dry cleaner, landfill, or combustor
- Documentation that the 180-day accumulation time limit is being met
- Description of the process the generator is using to meet the "No Free Liquids" condition



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## **Optional Provisions**

Episodic Generation Provision and Consolidation Provision





# **Episodic Generation**

For SQG: 40 CFR 262.16(f) and 40 CFR 262 Subpart L For VSQG: 40 CFR 262.14(c) and 40 CFR 262 Subpart L



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#### Episodic Generation 40 CFR 262 Subpart L



Generator Compliance Manual – Appendix M

Allows SQG and VSQGs to maintain their existing generator category for HW generated during an episodic event provided specific conditions described in 40 CFR 262 Subpart L are met.



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#### Episodic Generation 40 CFR 262.231



#### Episodic Event:

An activity(ies) either planned or unplanned that:

- does not normally occur during generator operations, and
- results in an increase in the generation of HW that exceeds the calendar month quantity limits for the generator's usual category



<i>Episodic</i>	Generation
40 CF	R 262.231



#### Planned Episodic Event:

Episodic events that the generator planned and prepared for, including

- · Regular maintenance,
- · Tank cleanouts,
- · Short-term projects, and
- · Removal of excess chemical inventory





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# Episodic Generation 40 CFR 262.231



#### Unplanned Episodic Event:

Episodic events that the generator did not plan or reasonably did not expect to occur, including

- · Production process upsets,
- · Product recalls,
- · Accidental spills, or
- "Acts of nature" such as tornado, hurricane, flood, fire





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# Episodic Generation 40 CFR 262.231



#### Episodic Event is NOT:

- Increased production of hazardous waste due to an increased rate of production is not an episodic event.
- The episodic event does not begin when the facility receives its sampling results, and they show the waste is hazardous.



An unplanned event is not because you did not plan to have hazardous waste. It is because the event is unplanned.



# Episodic Generation – Notification Requirements 40 CFR 262.232 ✓ vsqs ✓ sqs

- · Generator must notify:
- At least 30 calendar days prior to initiating a planned episodic event (electronically using myRCRAid) or
- Within <u>72 hours</u> after an unplanned episodic event (by phone, fax, email; then provide notification electronically using myRCRAid by the end to the event)
- Episodic event must be initiated and completed within 60 days (there are no extensions to this timeframe)

DEQ

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#### Episodic Generation 40 CFR 262 Subpart L



- · Limit of one episodic event per calendar year
- Or two events if a petition (40 CFR 262.333) is granted by HWS
- If the generator already held a planned episodic event in the calendar year, the generator may only petition for an unplanned episodic event
- If the generator already held an unplanned episodic event in the calendar year, the generator may only petition for a planned episodic event



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#### Episodic Generation 40 CFR 262 Subpart L



- Generator must obtain an EPA ID number if they do not have one already, including VSQGs
- Pay the fee associated with the amount of hazardous waste generated per N.C.G.S. 130A-294.1
- Must ship episodic hazardous waste on a hazardous waste manifest (including VSQGs)



Episodic	Generation
	62 Subpart L



- · Maintain records associated with the episodic event (keep 3 years)
  - Beginning and end dates of the episodic event
  - · A description of the episodic event
  - A description of the types and quantities of HW generated during the event
  - A description of how the waste was managed and name of the TSD (recommend making a note on the HW manifest which waste was episodic)



#### Episodic Generation 40 CFR 262 Subpart L



Requirements for VSQGs:

- Obtain an EPA ID number (if the site does not have one already)
- **Use** a hazardous waste manifest and transporter to send episodic waste to a TSDF or recycler
- Manage the episodic hazardous waste in a manner that minimizes the possibility of an accident or release
- Label episodic waste containers with "Episodic Hazardous Waste," an indication of the hazards, and the date the event began
- Identify an emergency coordinator
- Maintain records associated with the episodic event



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#### Episodic Generation 40 CFR 262 Subpart L



SQGs need to **comply with existing SQG regulations** and maintain records associated with the episodic event

• Label episodic waste containers with "Episodic Hazardous Waste," an indication of the hazards, and the date the event began



#### Mark containers/tanks "Episodic Hazardous Waste"











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#### Episodic Event Case Study Anywhere Machine Works

- Current Generator Category: VSQG
- No EPA ID Number
- Discontinuing the use of the electroplating lines
- Typically generates 10 pounds of sludges from electroplating (F006) and ~5 gallons of solvent waste in a calendar month through normal activities
- The electroplating chemicals are going to be shipped offsite for disposal



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#### Planned Episodic Event Example Anywhere Machine Works

Can Anywhere Machine Works become an episodic generator?

Is it an episodic event? Yes

Is it planned or unplanned? Planned (Chemical Cleanout)

How much waste will be generated?
Hydrochloric acid, sodium hydroxide, nitric acid = 7,000 pounds of acids and bases

Anywhere Machine Shop has a planned episodic event that will create a hazardous waste of more than the 220-pound limit in a calendar month allowed for VSQGs.





#### Planned Episodic Event Example Anywhere Machine Works

Can the time frames for notification and disposal be met?

Yes, Anywhere Machine Shop can notify 30 days before the start of the cleanout and have all excess inventory removed within the 60-day episodic event period.

Anywhere Machine Works needs to file a notification in RCRAInfo/8700-12 form ensuring to:

- Obtain an EPA ID number
- Mark Section 13 to notify of episodic generation

Comply with the 40 CFR 262 subpart L requirements for VSQGs (More on Notification and Episodic Requirements later)



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#### Episodic Generator vs. Short Term Generator – Key Differences

#### Episodic Generator

- Site is required to have an EPA ID (can obtain one during episodic notification)
- Site typically generates hazardous waste at VSQG or SQG amounts
- Can be used one time a year (or twice if petitioned for a second event)
- Only must comply with applicable requirements specified in 40 CFR 262 subpart
- Allows 60 days to complete event and remove waste (regardless of amount of HW generated in the episodic event)

#### Short Term Generator

- Site typically does not already have an EPA ID number assigned (once assigned it stays with site)
- For sites that typically do not generate hazardous
  waste
- For one-time generation event. Short term generation may not be used again at the site (for the same business)
- All applicable generator requirements apply for the amount of hazardous waste generated
- amount of nazardous waste generated



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## Consolidation Provision



For LQGs: 40 CFR 262.17(f) For VSQGs: 40 CFR 262.14(a)(5)(viii)

Generator Compliance Manual – Appendix L

Allows a VSQG to transfer HW to a LQG for consolidation as long as both entities are under the <u>control</u> of the same <u>person</u>, provided specific conditions are met by both the VSQG and LQG

- "Person" defined in N.C.G.S. 130A 290(a)(22)
- "Control" is defined in 40 CFR 262.17(f)



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#### LQG Consolidation of VSQG HW 40 CFR 262.17(f)



- \* Notify the HWS (using the electronic 8700-12) of this activity at least  $\underline{30}$  days prior to receiving the first shipment of VSQG HW
- Maintain paperwork for each shipment received from the VSQG including:
  - Name, site address and contact information for the VSQG(s),
  - Description of HW, quantity, and date received
- Manages waste received by LQG rules
- Reports VSQG waste on biennial report



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#### LQG Consolidation of VSQG HW 40 CFR 262.14(a)(5)(viii)



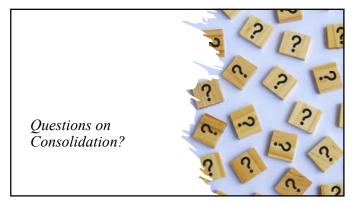
Requirements for the VSQG:

Label containers being transferred to the LQG (under the control of the same person) with specific wording:

- "Hazardous Waste"; and
- · Indication of the hazards of the contents of the container











#### Satellite Accumulation Area 40 CFR 262.15

Generator Compliance Manual – Page 122-124

Is an "area" with a container(s) of hazardous waste that:

- Area where waste initially accumulates prior to removal to a central area ("at or near the point of generation"); and is,
- "under control of the operator" of the process that generated the waste



✓ SQG

✓ LQG

✓ SQG

LQG

**™** sQG

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### Satellite Accumulation Area 40 CFR 262.15 Generator Compliance Manual – Page 122-124

A SAA cannot have more than 55 gallons of hazardous waste

More on the next slide...



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#### Satellite Accumulation Areas

(40 CFR 262.15)

SAA cannot exceed 55 gallons of waste

- FAQs: • A SAA can have multiple containers
- A SAA can have multiple waste
- If 55 gallons of waste is exceeded, you must:
  - Date the excess waste, and
  - Move the excess waste, and
     CAA within 72 hours



#### Satellite Accumulation Areas (40 CFR 262.15)



#### FAQs about SAAs:

- · A facility is not limited to how many SAA they can have.
- SAA waste can only be consolidated in containers:
- within the same SAA, or a CAA container.

Moving waste from one SAA container to a different SAA container is NOT allowed



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## Central Accumulation Areas



(40 CFR 262.16/262.17) Generator Compliance Manual – Page 125-127

Any on-site hazardous waste accumulation area with units [containers/tanks] subject to 262.16/17

- A generator can have more than one CAA.
- "Central" does not denote a physical
- CAA(s) can be in any location of the facility.
- CAA containers can be moved from one CAA to another CAA (but cannot redate)



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# Container Management Requirements

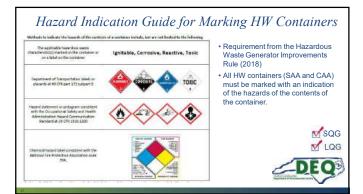
Requirement	Satellite Accumulation Area (SAA) Units	180/270/90-day containers (CAA)
Must be in good condition	Yes	Yes
Must be compatible with HW in container	Yes	Yes
Must be closed at all times except when adding/removing waste	Yes (can also open to consolidate waste or venting)	Yes
Hazard marking	"Hazardous Waste" and indication of hazards	"Hazardous Waste" and indication of hazards
Date marking	On the date 55 gallons of non-acute HW is exceeded	On the date waste first goes in the container
Weekly Inspections	None	Weekly

Container Management, continued Satellite Accumulation Area vs. Central Accumulation				
Requirement	Satellite Accumulation Area (SAA) Units	180/270/90-day containers (CAA)		
Maximum length of accumulation	Unlimited	180/270 days – SQGs 90 days – LQGs		
Maximum waste volume in storage	55 gallons (or 1 quart of acute wastes)	13,200 pounds of HW in all CAAs for SQGs/ Unlimited LQG		
Personnel training required	No (but maybe yes)	Yes		
Can treat hazardous waste in unit	No	Yes		
Must comply with Subpart CC air emission standards	No	Yes (LQGs only)		
Comply with preparedness, prevention, and emergency procedures	Yes	Yes		











## Conflicts using of RCRA Labels and DOT Labels





#### F005 - Spent non-halogenated solvent

- RCRA requires both an Ignitable and Toxic Indications
- RCRA requires indication for all hazards
- DOT may require Class 3 or Class 3 & 9



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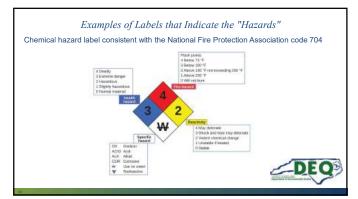


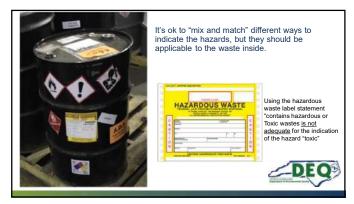
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Examples of Labels that Indicate the "Hazards"

Hazard statement or pictogram consistent with OSHA (29 CFR 1910.1200)
Ex. Globally Harmonized System (GHS)

















# Container Management SAA and CAA

✓ SQG ✓ LQG

A Note About Palletized Hazardous Waste

- <u>Each container</u> must be clearly marked HW, etc. (can't have one label on a shrink-wrapped pallet of HW)
- Would also have an issue with aisle space on inner containers



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AFTER – Photo showing the waste in a proper container.



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