

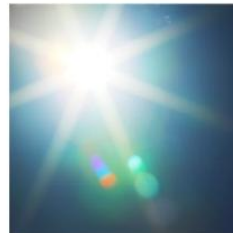
# Overview of the Virginia Hazardous Waste Management Regulations

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**Don't**

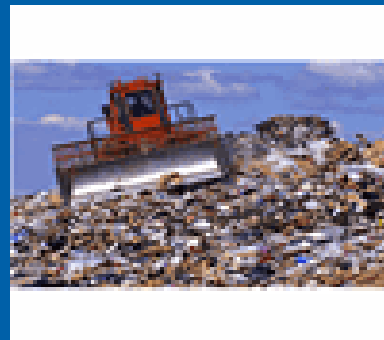
**Fear**

**the**

**The Resource  
RCRA  
Conservation and  
Recovery Act**

# Hazardous Waste Management Regulations

- Federal basis is the **Resource Conservation and Recovery Act (RCRA)** of 1976, Subtitle C
  - Provides a “cradle to grave” program to manage hazardous waste
  - Regulations to protect “the land”





## Virginia Laws/Regulations

- Virginia Waste Management Act
- **Virginia Hazardous Waste Management Regulations (VHWMR)**
  - Virginia adopts the federal regulations by reference
  - Also includes Virginia-specific requirements
    - Additions and omissions



## Responsible Agencies

- Federal
  - US Environmental Protection Agency (USEPA Region III in Philadelphia, PA)
- State
  - Virginia Department of Environmental Quality



## DEQ Regional Offices

**NRO** – Woodbridge

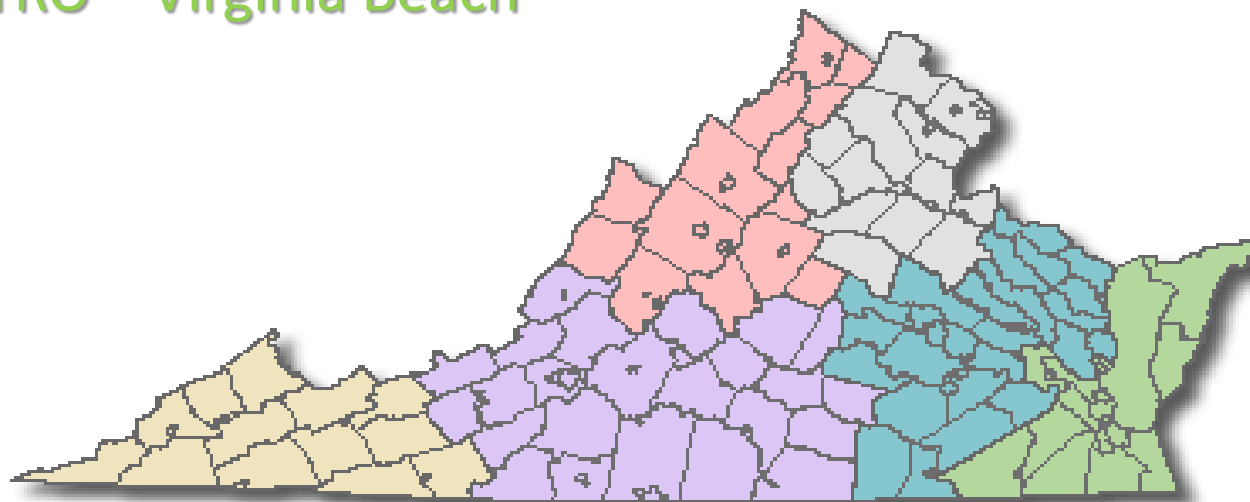
**SWRO** – Abingdon

**BRRO** – Lynchburg & Roanoke

**PRO** – Glen Allen

**VRO** – Harrisonburg

**TRO** – Virginia Beach





# Hazardous Waste Management Regulations Elements

- Identifies which wastes are hazardous
- Establishes administrative requirements for generators, transporters, and facilities that treat, store or dispose of hazardous waste
- Sets technical standards for the design and safe operation of facilities
- Provides the basis for developing and issuing permits
- Requires clean up of releases to the environment

# Generators

- Conditionally Exempt Small Quantity Generator (CESQG)
- Small Quantity Generator (SQG)
- Large Quantity Generator (LQG)





# Generator Summary Chart

	CESQG	SQG	LQG
<b>Quantity Limits</b>	<p>≤ 100 kg/month</p> <p>≤ 1 kg/month of acute hazardous waste</p> <p>≤ 100 kg/month of acute spill residue or soil</p> <p>§§261.5(a) and (e)</p>	<p>between 100 – 1,000 kg/month</p> <p>≤ 1 kg/month of acute hazardous waste</p> <p>≤ 100 kg/month of acute spill residue or soil</p>	<p>≥ 1000 kg/month</p> <p>&gt; 1 kg/month of acute hazardous waste</p> <p>&gt; 100 kg/month of acute spill residue or soil</p> <p>§262.34(a)</p>
<b>EPA ID Number</b>	<p>Not required</p> <p>§261.5</p>	<p>Required</p> <p>§262.12</p>	<p>Required</p> <p>§262.12</p>
<b>On-Site Accumulation Quantity</b>	<p>≤ 1000 kg</p> <p>≤ 1 kg acute</p> <p>≤ 100 kg/month of acute spill residue</p> <p>§§261.5(f)(2) and (g)(2)</p>	<p>≤ 6000 kg</p> <p>§262.34(d)(1)</p> <p>≤ 1 kg acute</p> <p>≤ 100 kg/month of acute spill residue</p>	<p>No limit</p>
<b>Accumulation Time Limits</b>	<p>None</p> <p>§261.5</p>	<p>≤ 180 days or</p> <p>≤ 270 days (if &gt;200 miles)</p> <p>§§262.34(d)(2) and (3)</p>	<p>≤ 90 days</p> <p>§262.34(b)</p>



# Generator Summary Chart (cont.)

	CESQG	SQG	LQG
<b>Accumulation Requirements</b>	None §261.5	Basic requirements with technical standards for tanks and containers §§262.34(d)(2) and (3)	Full compliance for management of tanks, containers, drip pads, or containment buildings §262.34(a)
<b>Personnel Training</b>	Not required §261.5	Basic training required §262.34(d)(5)(iii)	Required §262.34(a)(4)
<b>Contingency Plan and Emergency Procedures</b>	Not required §261.5	Basic plan §262.34(d)(5)(i)	Full plan required §262.34(a)(4)
<b>Preparedness and Prevention</b>	Not required	Required §262.34(d)(4)	Full plan required §262.34(a)(4)
<b>Air Emissions</b>	Not required	Not required	Required §262.34(a)(1)(i)
<b>Land Disposal Restrictions</b>	Not required	Required §262.34(d)(4)	Required §262.34(a)(4)
<b>Manifest</b>	Not required §261.5	Required §262.20	Required §262.20



# Generator Summary Chart (cont.)

	CESQG	SQG	LQG
<b>Waste Minimization</b>	None	Good faith effort §262.27	Program in place required §262.27
<b>Pre-Transport Requirements</b>	Yes (if required by DOT)	Yes §§262.30-262.33	Yes §§262.30-262.33
<b>Biennial Report</b>	Not required §261.5	Not required §262.44	Required §262.41
<b>Exception and Additional Reporting</b>	Not required.	Required §§262.42(b) and 262.43	Required §§262.42(b) and 262.43
<b>Recordkeeping</b>	Not required	Required §262.40(a), (c), and (d)	Required §262.40
<b>Off-Site Management of Waste</b>	Facilities noted in §§261.5(f)(3) and (g)(3). Also see 9 VAC 20-81-90.A.	RCRA permitted/interim status facilities	RCRA permitted/interim status facilities
<b>Closure</b>	Not required.	Required – tanks only §265.201(f)	Required §262.34(a)(1)

# Common Problems - General

- Failure to identify and assess hazardous waste
- Failure to recognize and act on compliance responsibilities
- Failure to perform self-assessments of programs and establish SOPs
- Failure to quickly correct problems when they are noted

# EPA Identification Numbers

- RCRA Subtitle C Site Identification Form (EPA Form 8700-12)
- Permanent v. Provisional Use
- Common Concerns re: Provisional Use
  - Who “owns” the waste?
  - DoD/Navy
    - Navy-owned
    - Contractor-owned
    - Co-generator

# EPA Identification Numbers

- Who to contact if unsure?
  - DEQ Regional HW staff
    - Lisa Silvia, (757) 518-2175  
[lisa.silvia@deq.virginia.gov](mailto:lisa.silvia@deq.virginia.gov)
  - Navy Regional **ENVIRONMENTAL** Staff
    - Milton Johnston, Director, HW Compliance and P2, NAVFAC MIDLANT
      - (757) 341-0400
  - Host Shipyard **ENVIRONMENTAL** Staff



# NEVER SELF-TRANSPORT HAZARDOUS WASTE OFF THE WORKSITE \*

— \*Very few exceptions

# Recent Regulatory Activity

- EPA Final Rules:
  - Solvent-Contaminated Industrial Wipes
  - 2015 Definition of Solid Waste
- EPA Proposed Rules
  - HW Generator Improvement Rule
  - HW Pharmaceuticals
- DEQ Pending Rule
  - Universal Waste Fluorescent Lamp Crushing





# Recent EPA Proposed Rules

- [Hazardous Waste Generator Improvements](#)
  - A much-needed update to the HW generator regulations to make the rules easier to understand, facilitate better compliance, provide greater flexibility in how hazardous waste is managed, and close important gaps in the regulations.
  - <https://www.epa.gov/hwgenerators/proposed-rule-hazardous-waste-generator-improvements>
- [Management Standards for Hazardous Waste Pharmaceuticals](#)
  - A tailored, sector-specific set of regulations for the management of HW pharmaceuticals by healthcare facilities (including pharmacies) and reverse distributors. It will provide standards to ensure the management of HW pharmaceuticals is safe and workable within the healthcare setting.
  - <https://www.epa.gov/hwgenerators/proposed-rule-management-standards-hazardous-waste-pharmaceuticals>

# Universal Waste Fluorescent Lamp Crushing

- Federal regulations do not allow crushing of bulbs, but states can demonstrate equivalency.
- Virginia's regulations allow, but had not been approved by EPA.
- DEQ is in the process of finalizing revisions to regulations.



# Resources & References

- DEQ Home Page <http://www.deq.virginia.gov/>
- DEQ Hazardous Waste Page  
<http://www.deq.virginia.gov/Programs/LandProtectionRevitalization/SolidHazardousWasteRegulatoryPrograms/HazardousWaste.aspx>
- DEQ Regional Offices <http://www.deq.virginia.gov/Locations.aspx>
- EPA <http://www3.epa.gov/>
- EPA Waste – RCRA Online
- <https://yosemite.epa.gov/osw/rcra.nsf/how+to+use?OpenForm>
- RCRA Orientation Manual <http://www.epa.gov/hwgenerators/resource-conservation-and-recovery-act-rcra-orientation-manual>
- Virginia Hazardous Waste Management Regulations  
<http://law.lis.virginia.gov/admincode/title9/agency20/chapter60/>

# Resources & References (cont.)

- DEQ Synopsis of Requirements for Small Quantity Generators

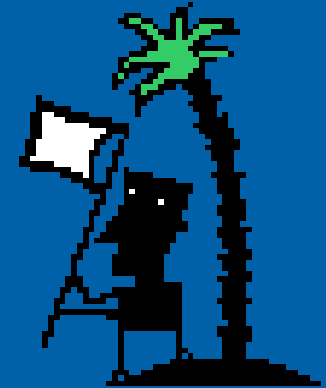
<http://www.deq.virginia.gov/Portals/0/DEQ/Land/smallquantitygenerators.pdf>

- DEQ Synopsis of Requirements for CESQGs

<http://www.deq.virginia.gov/Portals/0/DEQ/Land/srcesqg.pdf>

# DEQ HW Contacts

- SWRO – Justen Dick
- BRRO – Rebecca Wright
- VRO – Jonathan “Jed” Pascarella
- NRO – Ann Zimmerman
- PRO – Shane Noyes
- TRO – Lisa Silvia
- CO – Lisa Ellis



DEQ General Directory (804) 698-4000



*Questions?*