

Hazardous Waste Permits

Hazardous Waste Coordinator Certification

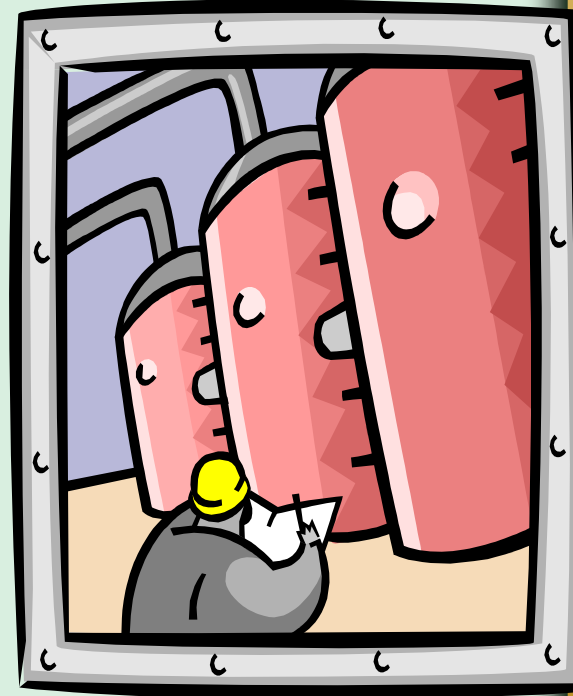


Types of Hazardous Waste Permits

Env-Hw 300

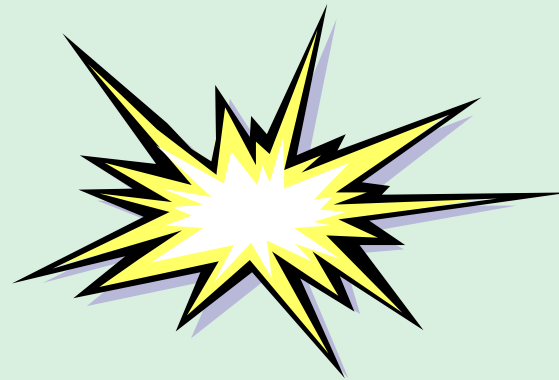
Emergency Permits

Limited Permits



Emergency Permits

- **For one-time treatment of unstable or potentially explosive wastes.**



- **Issue 8 to 10 per year.**

- **Not needed for immediate response to a big spill or accident.**

Emergency Permits



1. Develop a work-plan

2. Provide it to NHDES Permit Engineer

3. S/he reviews, approves, and issues permit

4. No charge for permit

Limited Permits

- **Limited Permits allow for the treatment of wastestreams to render them: non-hazardous, safer for transport, amenable to recovery, easier to store, or reduced in volume.**
- **NH only – EPA does not regulate elementary neutralization, wastewater treatment, or evaporator units.**

Limited Permits are Required for...

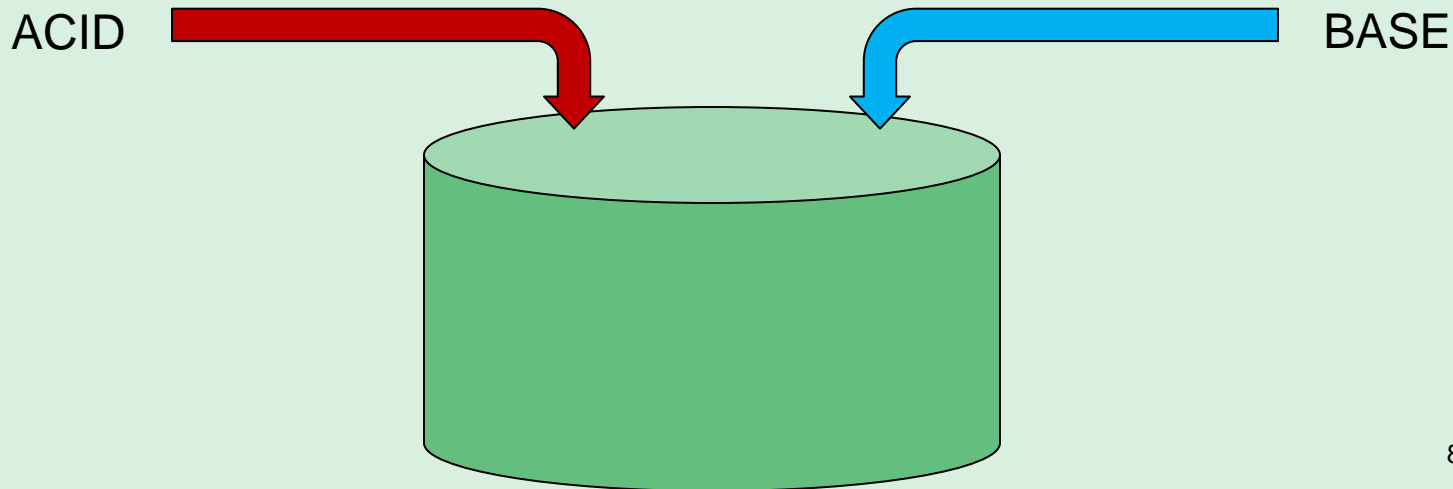
- Limited Permits are required for Full Quantity Generators who have a wastewater treatment unit, evaporator, or elementary neutralization unit that:
 - **Receives a hazardous waste stream**
 - OR**
 - **Generates a hazardous waste**

You may need a Limited Permit if you have one of these:

- **Elementary Neutralization Units (ENUs) are used to neutralize hazardous wastes that are hazardous ONLY because they exhibit the characteristic of corrosivity ($\text{pH} \leq 2$ or ≥ 12.5).**

Permit Needed?

- Acid wastewater with a pH of 3.5
- Acid wastewater with a pH of 1.5
- Basic wastewater with a pH of 10.8
- Basic wastewater with a pH of 12.8



Elementary Neutralization Unit



pH Matters!



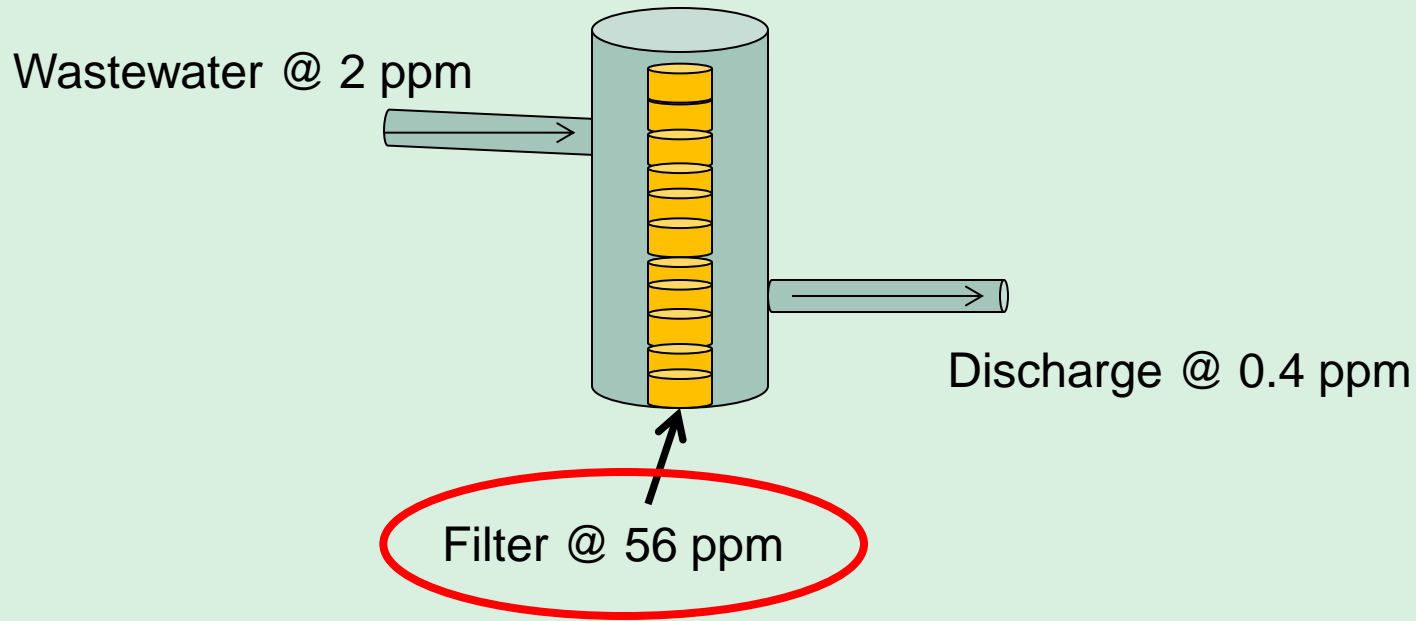
Or one of these:

- **Wastewater Treatment Units (WWTUs) which removes hazardous constituents from process wastewaters and may generate a hazardous sludge.**



Filtration

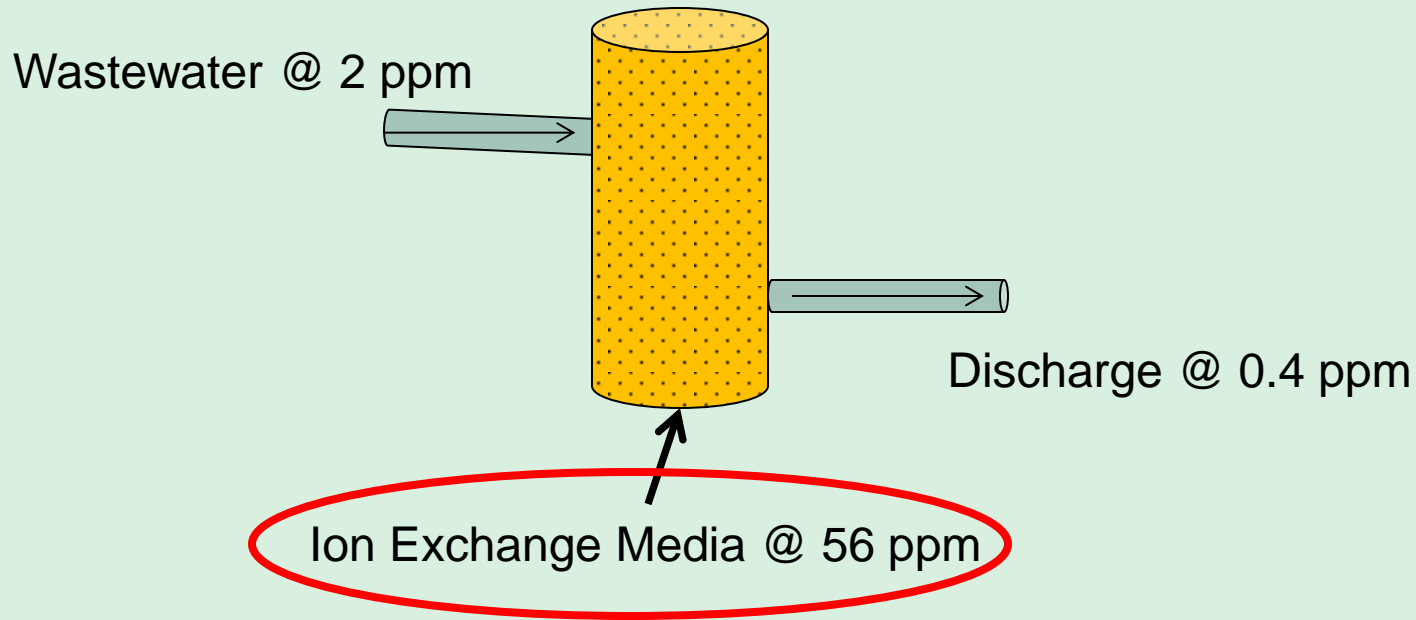
Examples



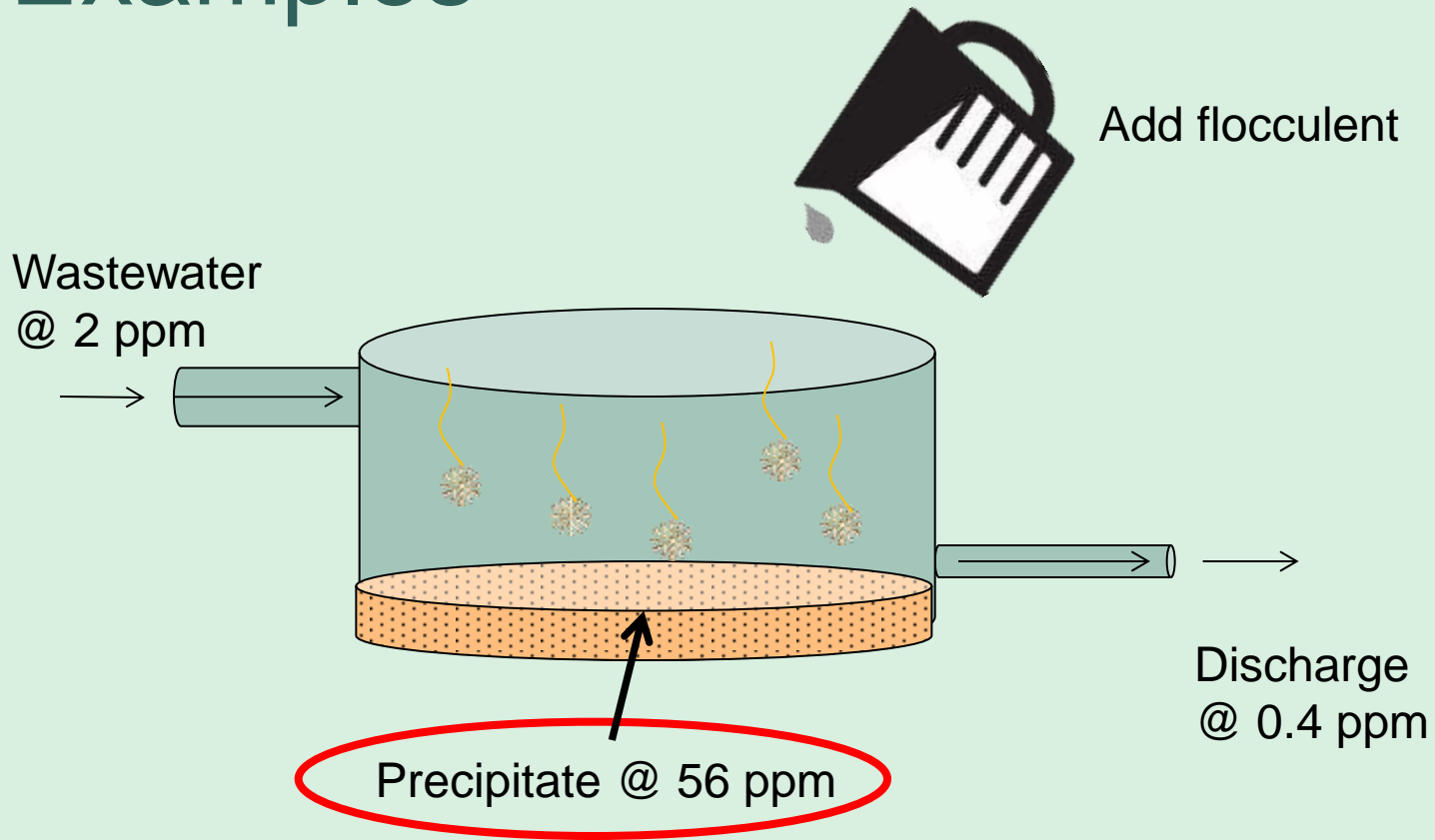


Ion exchange columns

Examples



Examples



Or one of these:

- Evaporators reduce the volume of wastewaters, consolidate hazardous constituents, and may generate a hazardous sludge.
- Evaporators must be approved by Air Resources Division too.





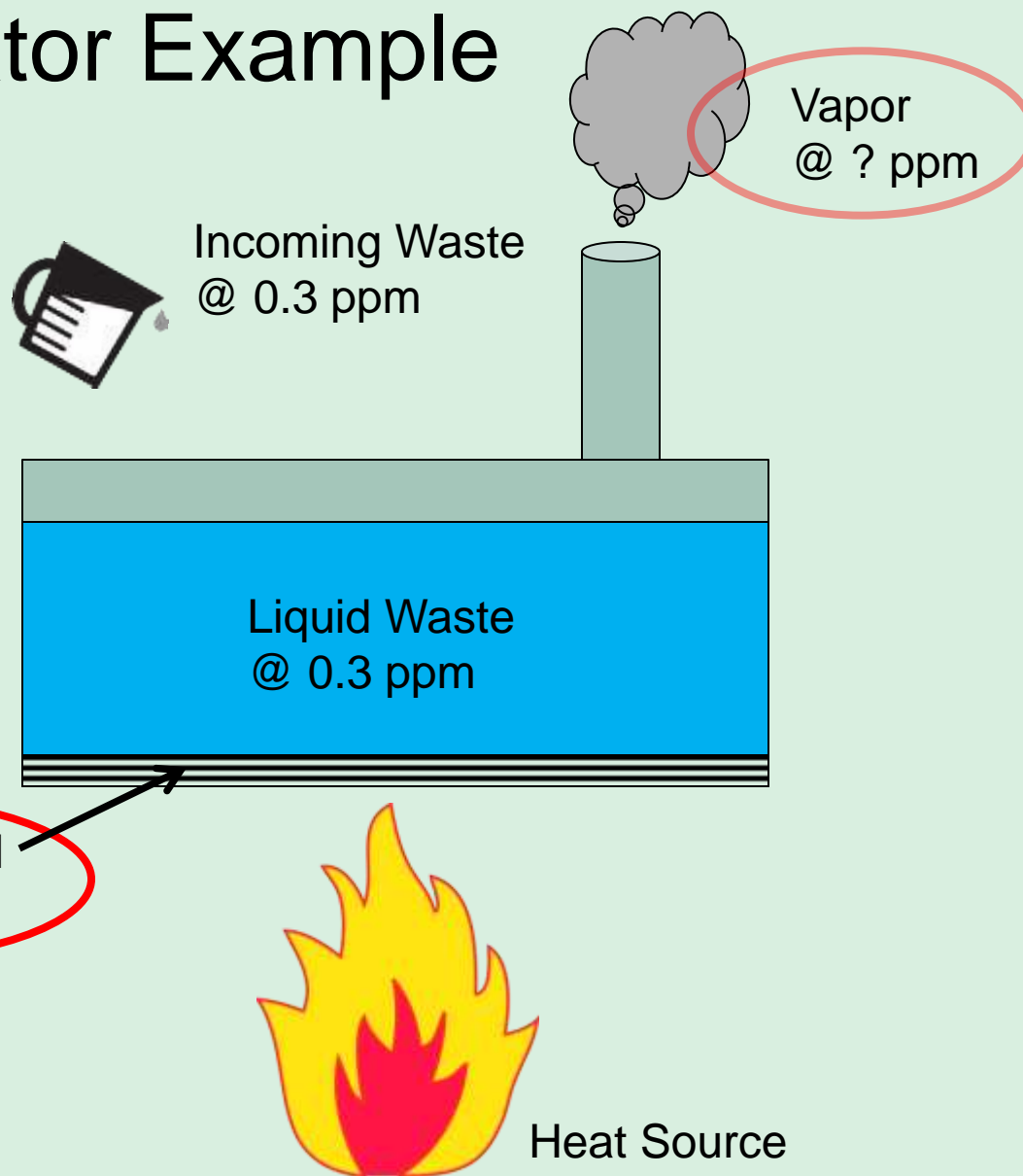
Evaporator

Why Require Permits? This is Why!



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Evaporator Example



Limited Permit Application Process

- Application form is available on the CD or our website:

http://des.nh.gov/organization/commissioner/pip/forms/hwc/documents/limited_app.pdf

Application fee is \$750 for new permits, \$400 for renewals or modifications.

- Permits are effective for 5 years.
- Modifications are required for changes to the treatment unit or the waste streams being treated.

LP vs. Industrial Discharge Permit

- Limited Permits are still required, even if your town has issued an Industrial Discharge Permit.
- Limited Permits are for limited treatment of hazardous wastes.
- Industrial Discharge Permits are for discharge of wastewaters.

**For more information,
contact:**

**HWMB Waste Management
Engineer, at (603) 271-5328.**