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 (pH ≤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

Wastewater @ 2 ppm

Filter @ 56 ppm

Discharge @ 0.4 ppm
Ion exchange columns
Examples

Wastewater @ 2 ppm

Ion Exchange Media @ 56 ppm

Discharge @ 0.4 ppm
Examples

Wastewater @ 2 ppm

Precipitate @ 56 ppm

Add flocculent

Discharge @ 0.4 ppm
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!
Evaporator Example

Incoming Waste @ 0.3 ppm

Liquid Waste @ 0.3 ppm

Solid Residual @ 12 ppm

Heat Source

Vapor @ ? ppm
Limited Permit Application Process


- 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.