

Hazardous Materials Reduction

To receive stewardship recognition for **HAZARDOUS MATERIALS REDUCTION** a site must implement changes that result in a reduction in the amount of hazardous materials used or disposed of at the site. Facilities should be able to produce documentation showing a reduction in the amount of hazardous materials used or disposed of at the facility within the last year.



Pollution prevention through **HAZARDOUS MATERIALS REDUCTION**

- *Reduction measurements must be production adjusted (cannot result merely from a slow business cycle).
- *Reduced risk with same volume of material can qualify for recognition (ie. switch from high to low hazard).
- *Waste reduction may be a goal set by an environmental management system and tracked in an annual report.



HAZARDOUS MATERIALS REDUCTION

can be achieved through:

- ⇒ Reduction in the volume of hazardous materials used or disposed of at a site.
- ⇒ Reduction in the risk / potential harm of the hazardous material used or disposed of at a site.
- ⇒ Operation changes resulting in more efficient use or discarding of hazardous materials.
- ⇒ Change in the type of materials used or disposed of at the site.

More about Hazardous Materials Reduction:

1. The EPA has deemed 31 varieties of chemical waste as 'priority chemicals,' calling for minimization of their use or generation, including:

- Fluorene
- Dioxins / Furans
- Mercury
- Cadmium
- Lead
- Pyrene

For full list visit: <https://www.epa.gov/hw/defining-hazardous-waste-listed-characteristic-and-mixed-radiological-wastes>

2. Hazardous materials and waste reduction may be accomplished or aided by:

- developing an environmental management system
- ⇒ choosing more benign / eco-friendly chemicals
- ⇒ - implementing more efficient manufacturing practices
- neutralizing wastes
- utilizing waste for safe energy generation.

For more information on **HAZARDOUS**

Guidance on Inherently Safer Technology

http://www.state.nj.us/dep/enforcement/tcpa/downloads/IST_guidance.pdf

Creating a Waste Reduction Program

http://www.ewashtenaw.org/government/departments/environmental_health/recycling_home_toxics/waste_knot/wkassist.html

EPA - Hazardous Wastes

<https://www.epa.gov/hw>

University of Washington, Environmental Health and Safety - Hazardous Waste Minimization

<http://www.ehs.washington.edu/epohazreduce/index.shtml>

For more information contact:

Bureau of Compliance Support & Pollution Prevention at (609) 984-9482

OR

stewardship@dep.nj.gov

