# 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.

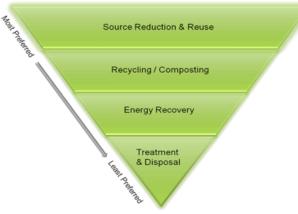
# Pollution prevention through HAZARDOUS MATERIALS REDUCTION

\*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.

#### Waste Management Hierarchy



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# 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: <u>https://www.epa.gov/hw/defining-hazardous-</u> waste-listed-characteristic-and-mixed-radiological-wastes

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

- developing an environmental management system
- $\Rightarrow$   $\;$  choosing more benign / eco-friendly chemicals
- $\Rightarrow$  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.shtm

For more information contact: Bureau of Compliance Support & Pollution Prevention at (609) 984-9482 OR



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