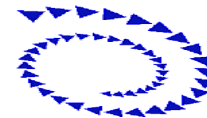


Pollution Prevention and Pollution Control



Know Your Options



Pollution Prevention May Help Your Facility Reduce Its Water Discharges

Today, many facilities are taking the opportunity to look at achieving broader environmental management objectives rather than concentrating solely on meeting pollution control and regulatory standards. These facilities are realizing that pollution prevention is very often economically beneficial and can result in significant environmental benefits.

What is Pollution Prevention?

Liquid, solid and /or gaseous waste materials are generated during the manufacture products. In addition to environmental problems, these waste streams represent a loss of valuable materials and energy from the production process and may require significant investment in pollution control equipment to meet more stringent regulatory requirements. In addition, there are costs associated with waste handling, monitoring, compliance reporting and the long-term liability issues associated with these wastes.

Traditional *pollution control* focuses on end-of-pipe and out-the-back-door viewpoints. *Pollution prevention* emphasizes the elimination or reduction of waste discharges at the source of generation. If wastes are not generated, the wastes do not have to be managed.

Facilities have many reasons to implement pollution prevention techniques. Achieving compliance with regulatory standards, saving money and improving public relations are a few of the reasons why proactive Virginia facilities are investing in pollution prevention alternatives.

For example, a Richmond metal finisher added an ion exchange polishing process to their pretreatment system, which enabled them to eliminate the need to discharge to the local Publicly Owned Treatment Works (POTW). The new system allows total effluent flow to be reused continuously in the plant. By investing in pollution prevention efforts, the facility reduced their water purchase and disposal costs by 80%.

Pollution Prevention Assistance

The Office of Pollution Prevention, a voluntary, non-regulatory technical assistance program within the Virginia Department of Environmental Quality, is available to assist your facility with its pollution prevention efforts. Services of OPP include:

- Access to engineers trained to assist you in evaluating your processes and needs
- Access to up-to-date information on new and innovative pollution prevention techniques
- P2 training and workshops targeted at specific waste-generating activities
- Industry-specific reports and fact sheets researched and written by Office of Pollution Prevention staff for the benefit of Virginia-based facilities
- On-site assistance in the form of APollution Prevention Opportunity Assessments≡

For more information, please contact:

Office of Pollution Prevention
Virginia Department of Environmental Quality
PO Box 1105
Richmond, VA 23218
(804) 698-4235/4545
<http://www.deq.virginia.gov/p2>

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More Resources for Pollution Prevention Information:

Virginia Department of Environmental Quality's Small Business Assistance Office

<http://www.deq.state.va.us/osba/smallbiz.html>

Environmental Protection Agency's Pollution Prevention Division

<http://www.epa.gov/opptintr/p2home>

Waste Reduction Resource Center

<http://wrrc.p2pays.org>

State and Territorial Air Pollution Prevention Administration, Association of Local Air Pollution Control Officials (STAPPA/ALAPCO)

<http://www.4cleanair.org>

EPA EnviroSense: Assists in Pollution Prevention implementation

<http://es.epa.gov>

Department of Energy's Office of Pollution Prevention

<http://em.doe.gov/wastemin>

Technology Transfer Network Bulletin Board

<http://www.epa.gov/ttn>