



New Hampshire Pollution Prevention Program



NH Full Quantity Generator Hazardous Waste Coordinator Training and Certification



Pollution Prevention...

...is any activity that reduces or eliminates the creation of waste at its point of generation, usually within the manufacturing process.

Don't make the waste in the first place!



Inefficiency = Waste = \$

- Hazardous Waste
- Solid (non-hazardous) Waste
- Air Emissions
- Water Discharges
- Heat
- Fuel
- Time



Efficiency

- Is your process inefficient?
 - “Keep doing what you’ve been doing, and you keep getting what you’ve been getting”
 - Does the process require more material, energy or time than needed?
 - SOP reviews
 - Staff
 - Are they doing what they’re supposed to?
 - SOP reviews
 - Changing their attitudes



Efficiency

- Are your input materials efficient?
 - Non-hazardous/toxic/regulated materials
 - Less hazardous/toxic/regulated materials
 - Use less stuff!



6 Steps

1. Get organized

- Is management on board?
- Be a champion!
- Form a planning team
 - Differing personalities is good!
 - Seek input from everyone. Be a good listener.



6 Steps

2. Analyze Processes

- Map out the steps. Look critically at every one.
- Dissect each step. Pinpoint where materials are used and wastes generated.
- Calculate true costs of waste generation.
- Target your efforts based on highest costs.



6 Steps

3. Identify Alternatives

- Determine factors responsible for waste
- Get creative. List as many alternatives as possible for reducing costs
 - group brainstorming,
 - employee incentives,
 - or outside assistance



6 Steps

4. Evaluate alternatives

- Start with the low hanging fruit
- Study the feasibility of more complicated options
 - Effectiveness (how much do we save?)
 - Executability (how easy is it to do?)
 - Cost (how expensive is this?)



6 Steps

5. Implement Projects

- Schedule projects
- Assign responsibilities
- Communicate with those who will be affected by changes. Include them in process.
- Get feedback to work out the bugs



6 Steps

6. Measure Progress

- Track:
 - Waste generation
 - Material usage
 - Cost savings
- Document results
- Celebrate!

Why Try Pollution Prevention?



Because you certify in writing that you are reducing wastes every time you sign your manifests.



16. Generator's Certification:

“I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I selected practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.”



Benefits of Pollution Prevention

- Lower Waste Management & Disposal Costs
- Reduced Operating Costs
- Reduced Regulatory Burden
- Reduced Chemical Purchases
- Healthier Workplace
- Improved Production Efficiency
- Enhanced Company Image



New Hampshire Pollution Prevention Program

- Free and Confidential
- Technical Assistance
- Site Assessment
- Contact Information
 - (800) 273-9469 or (603) 271-6460
 - nhppp@des.nh.gov
 - <http://des.nh.gov/organization/commissioner/p2au/pps/ppp/index.htm>



More Free and Confidential Assistance Resources

- **Small Business Development Center**
 - 603-641-4379
- **Occupational Safety & Health Consultation**
 - 603-222-1567
- **Small Business Technical Assistance Program**
 - 603-271-1379