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# Today's Presentation

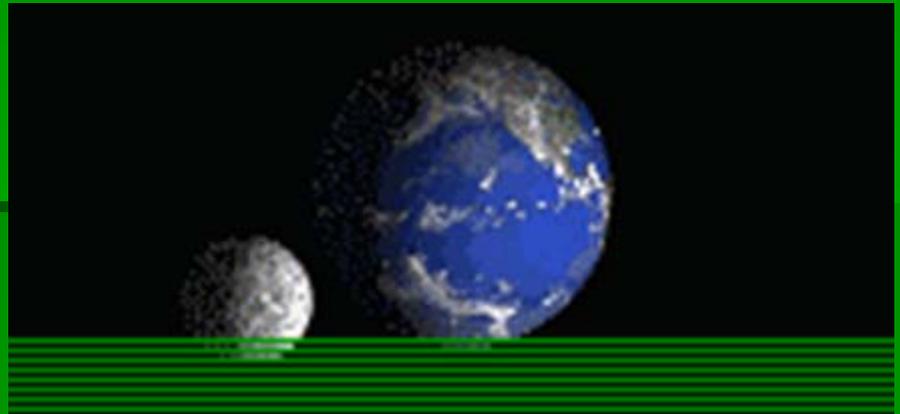
- The Big Picture
- What is NPEP?
- What are the Priority Chemicals?
- Who can join NPEP?
- NPEP Success Stories
- NPEP Benefits
- How to become an NPEP member





# U.S. EPA MISSION

- TO PROTECT HUMAN HEALTH & THE ENVIRONMENT



# Resource Conservation Challenge (RCC)

Prevent pollution and promote recycling and reuse;

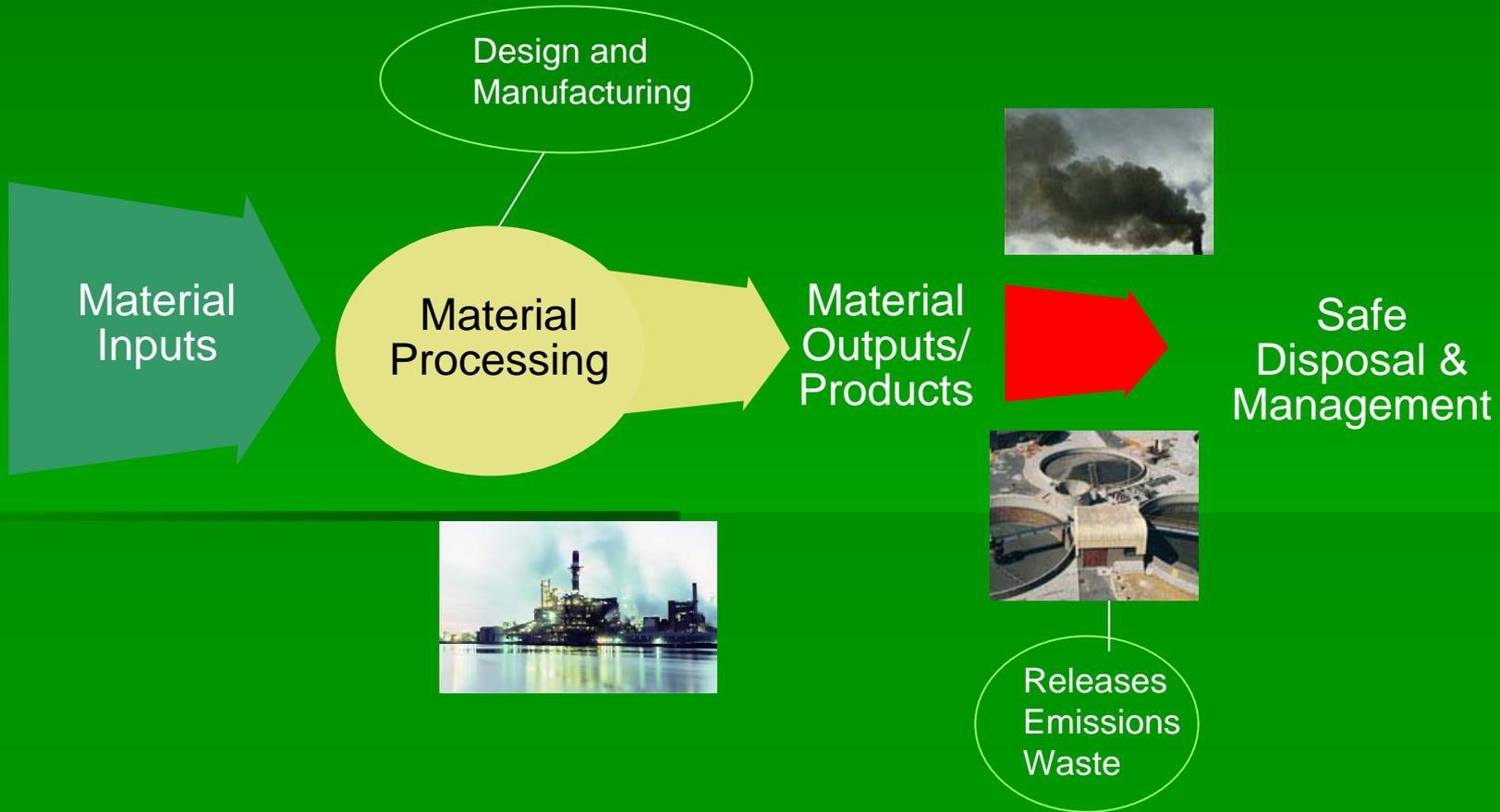
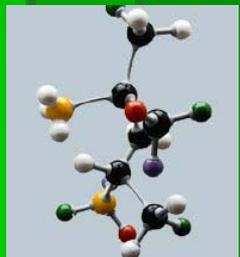
Reduce priority chemicals at all product life cycle stages;  
and

Conserve energy and materials.

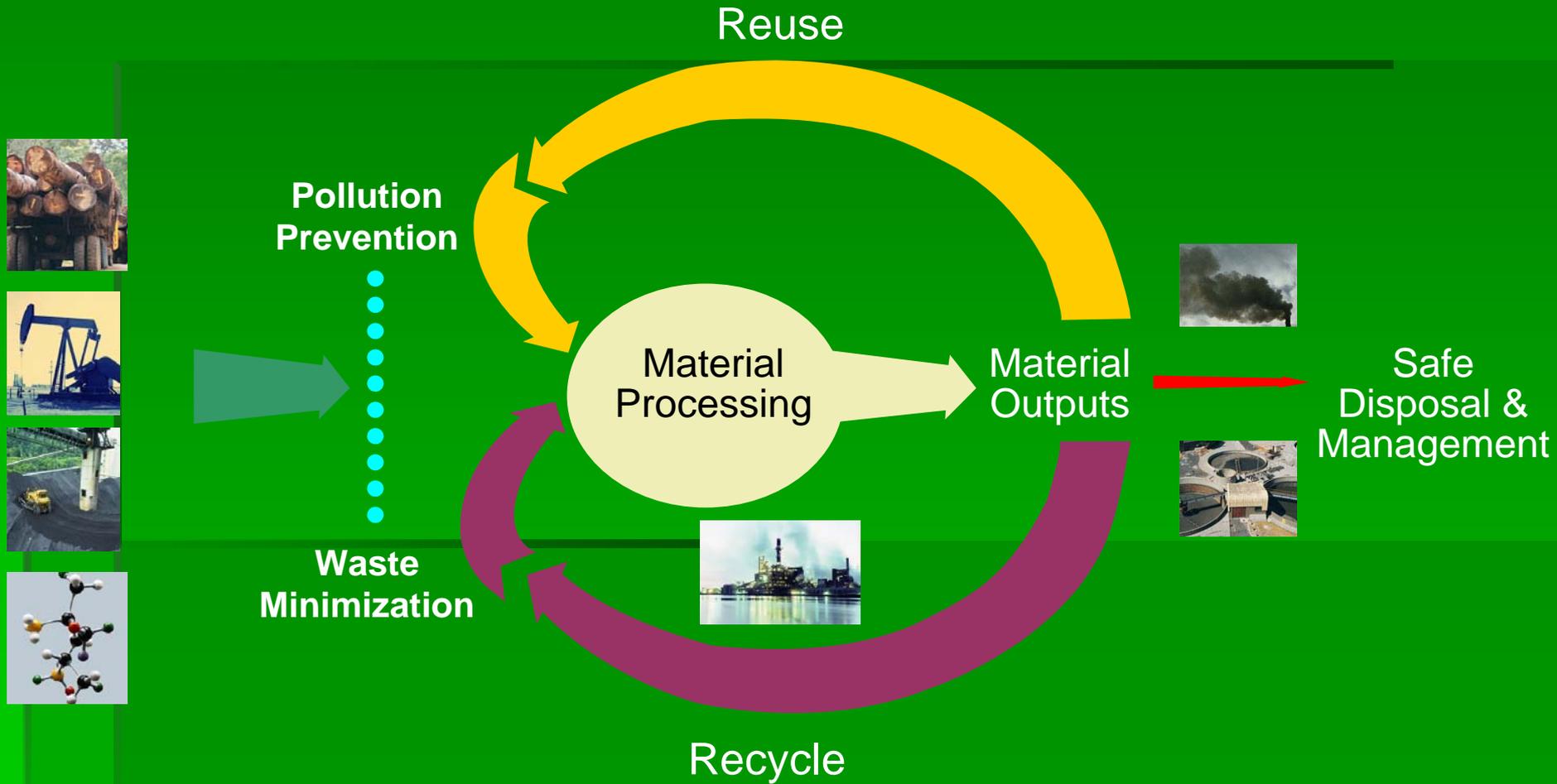




# NPEP wants to get from Cradle - *to - Grave...*



# ...to Efficient Materials Management (*Cradle – to – Cradle*)





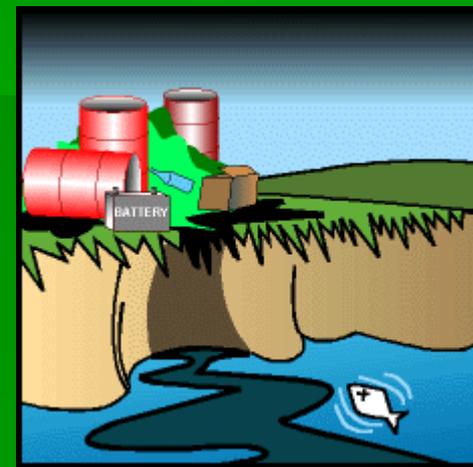
# WHAT IS NPEP?

- Born 2002, to encourage facilities to reduce the use or release of any of 31 Priority Chemicals (PCs).
- Free enrollment program – partner chooses chemical, how to reduce it and when.
- Goal: reduce the use or release of 4 million lbs of PCs by 2011.



# What are the 31 Priority Chemicals?

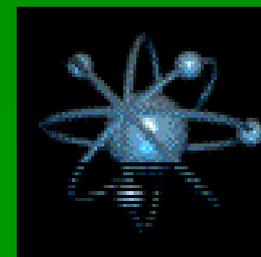
- 28 organic chemicals
- 3 metals and their compounds
- Persistent, bioaccumulative, and toxic.



# NPEP PRIORITY CHEMICALS

1,2,4-Trichlorobenzene  
1,2,3,5-Tetrachlorobenzene  
2,4,5-Trichlorophenol  
4-Bromophenyl phenyl ether  
Acenaphthene  
Anthracene  
Benzo(g,h,i)perylene  
Cadmium  
Dibenzofuran  
Dioxins/furans  
Endosulfan alpha/beta  
Fluorene  
Heptachlor/Heptachlor epoxide  
Hexachlorobenzene  
Hexachlorobutadiene  
Hexachlorocyclohexane, gamma-

Hexachloroethane  
Lead  
Mercury  
Methoxychlor  
Naphthalene  
PAH Group  
Pendimethalin  
Pentachlorobenzene  
Pentachloronitrobenzen  
Pentachloronitrobenzene  
Pentachlorophenol  
Phenanthrene  
Polychlorinated Biphenyls  
Pyrene  
Trifluralin



# Who can join NPEP?

- Private, Governmental, Tribes



# Success Stories

-  Corporation eliminates methyl ethyl ketone -- saves \$45,000 annually

-  International eliminates 5% of nation's mercury use

-  achieves annual net gain \$1,607,029 by reducing Lead

# What are the benefits of joining NPEP?



Save \$



- Reduce waste hauling fees
- Reduce waste management costs
- Reduce raw materials purchases
- Lower utility bills
- Fewer administrative/regulatory fees

# Benefits: Recognition

- Awards
- Publicity
- Press releases



**Philips Lighting Recognized by EPA for First-Ever Company Wide Waste Minimization Efforts – Nov. 1, 2006**

**Axcess News**

October 19, 2006

**Industry Leads the Way to Recycle and Reduce**



**Consumers lauded for mercury removal**

Saturday, November 04, 2006

# Benefits: Performance

- Reduced compliance burden & reporting



- Change in RCRA regulatory status
- Fewer compliance violations
- Reduced environmental liability

- Improved worker safety





# Benefits: Performance, cont'

- Stepping stone to Performance Track



- Greater competitive edge, expand client base



- Greater environmental quality



# The Business Case for NPEP

- Companies that are environmental leaders have outperformed the general stock market by 25% since August 2005.



# Imagine the Results: Bottom line benefits of sustainability



# NPEP Driver: Recognition of Partners

Exide Technologies



Northrop Grumman



**National  
Partnership  
for  
Environmental  
Priorities**

# How to earn National Recognition



1. Fill out the enrollment form –
  - Select priority chemical(s) and quantity reduced/recycled.
  - Set voluntary deadline.
  - Total time: 10 MINUTES

2. Report Success Story to receive Achievement Award.

OMB No. 2070-0190  
Expiration Date: 9/31/2009

 **NATIONAL PARTNERSHIP FOR ENVIRONMENTAL PRIORITIES**

## ENROLL US

We Want to Be a Partner in EPA's  
National Partnership for Environmental Priorities

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**IDENTIFYING INFORMATION**

Name of Organization: \_\_\_\_\_ Facility Name: \_\_\_\_\_  
Principal Contact: \_\_\_\_\_ Title: \_\_\_\_\_  
Authorizing Official: \_\_\_\_\_ Title: \_\_\_\_\_  
Address: \_\_\_\_\_ City/State/Zip: \_\_\_\_\_  
Phone/Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
EPA NCPA ID Number: \_\_\_\_\_ Date: \_\_\_\_\_

**PARTNER AGREEMENT**

Our organization is choosing to become a partner in EPA's National Partnership for Environmental Priorities. Our goal is to reduce the quantity of one or more Priority Chemicals currently found in our products, processes, or releases using techniques such as source reduction, recycling, or other material management practices. In this enrollment application, we identify one or more voluntary goals that we believe we can achieve as partners in this program. The voluntary goal(s) provided below is an initial estimate and may change over time. We may revise our goal(s) or withdraw from the program at any time. If/when we choose to revise our goal(s) or withdraw from the program, we will notify EPA.

GOAL #1: Chemical Name: \_\_\_\_\_ CASRN: \_\_\_\_\_  
Narrative description of proposed project: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

How we will measure success: \_\_\_\_\_  
\_\_\_\_\_

1a. Our voluntary source reduction goal for Chemical #1 is to reduce the amount of this chemical generated/used from a baseline amount of \_\_\_\_\_ pounds in \_\_\_\_\_ (month/year) to a reduced amount of \_\_\_\_\_ pounds generated/used by \_\_\_\_\_ (month/year).

1b. To accomplish this goal, we will use the following source reduction options (check all that apply):  
 Equipment or technology modifications.  Process or procedure modifications.  
 Reformulation or redesign of products.  Substitution of less toxic raw materials.  
 Improvements in inventory control.  Improvements in maintenance/housekeeping practices.  
 Other (describe): \_\_\_\_\_

2a. In addition to, or in lieu of using source reduction methods, our voluntary recycling or recovery goal for Chemical #1 is to increase the recycled or recovered quantity of this chemical from a baseline amount of \_\_\_\_\_ pounds in \_\_\_\_\_ (month/year) to an increased quantity of \_\_\_\_\_ pounds by \_\_\_\_\_ (month/year).  
 Tantal customer use process to make a product.  
 Processing the waste to recover or regenerate a usable product.  
 Using/reusing waste as a substitute for a commercial product.  
 Other (describe): \_\_\_\_\_

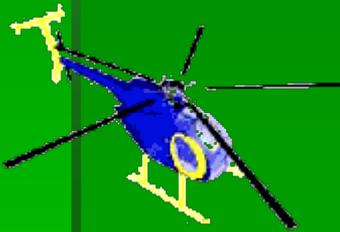
2b. To accomplish this recycling or recovery goal, we will use the following options (check all that apply):  
 Processing the waste to recover or regenerate a usable product.  
 Using/reusing waste as a substitute for a commercial product.  
 Other (describe): \_\_\_\_\_

3. We have a Quality Assurance/Quality Control Plan for this data (check which applies) \_\_\_\_\_ Yes \_\_\_\_\_ No

Please see supplemental sheets for additional goals. Page \_\_\_\_ of \_\_\_\_



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



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## What is Performance Track?

- U.S. EPA voluntary program that recognizes and rewards top environmental performers that go beyond compliance.
- Have an EMS, good compliance, environmental commitments.
- Over 40 members in California – 500 nationwide.
  - [www.epa.gov/performance-track](http://www.epa.gov/performance-track)



## NPEP & Performance Track

- National Challenge Commitment for Priority Chemicals
  - NPEP membership satisfies two of the four Performance Track commitments.
- [www.epa.gov/performance-track](http://www.epa.gov/performance-track)