The background of the slide is a photograph of an industrial refinery or chemical plant. It features several tall, cylindrical distillation columns, a complex network of pipes, and metal scaffolding. The sky is a clear, light blue. The entire image is overlaid with a semi-transparent blue filter. At the top and bottom of the slide, there are decorative green borders with yellow circuit-like patterns and small white spheres.

# NPEP

**Better Environment. Better Neighbor. Better Business.**

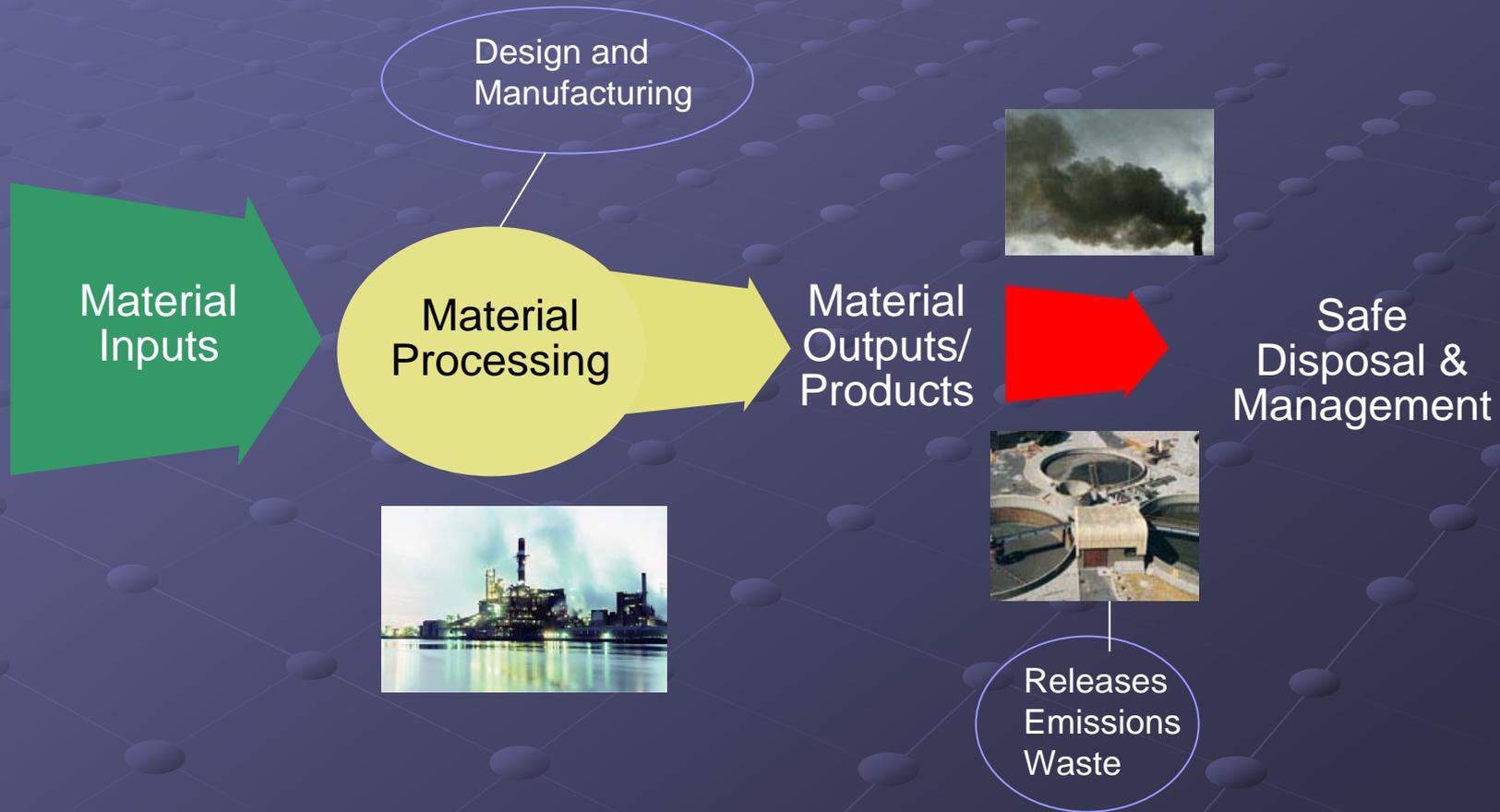
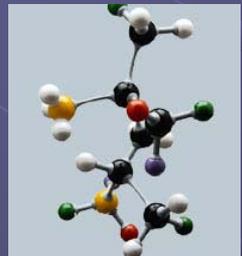
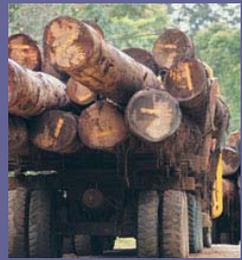
# National Partnership for Environmental Priorities

- ✓ Voluntary partnerships between EPA, States, Tribes, industrial and commercial entities, including public facilities
- ✓ Enrollment program in which partners provide pollution prevention activities and chemical reduction goals plus a timetable for achieving them
- ✓ Initial Focus on 31 Priority Chemicals, now any toxic chemical reduction in waste

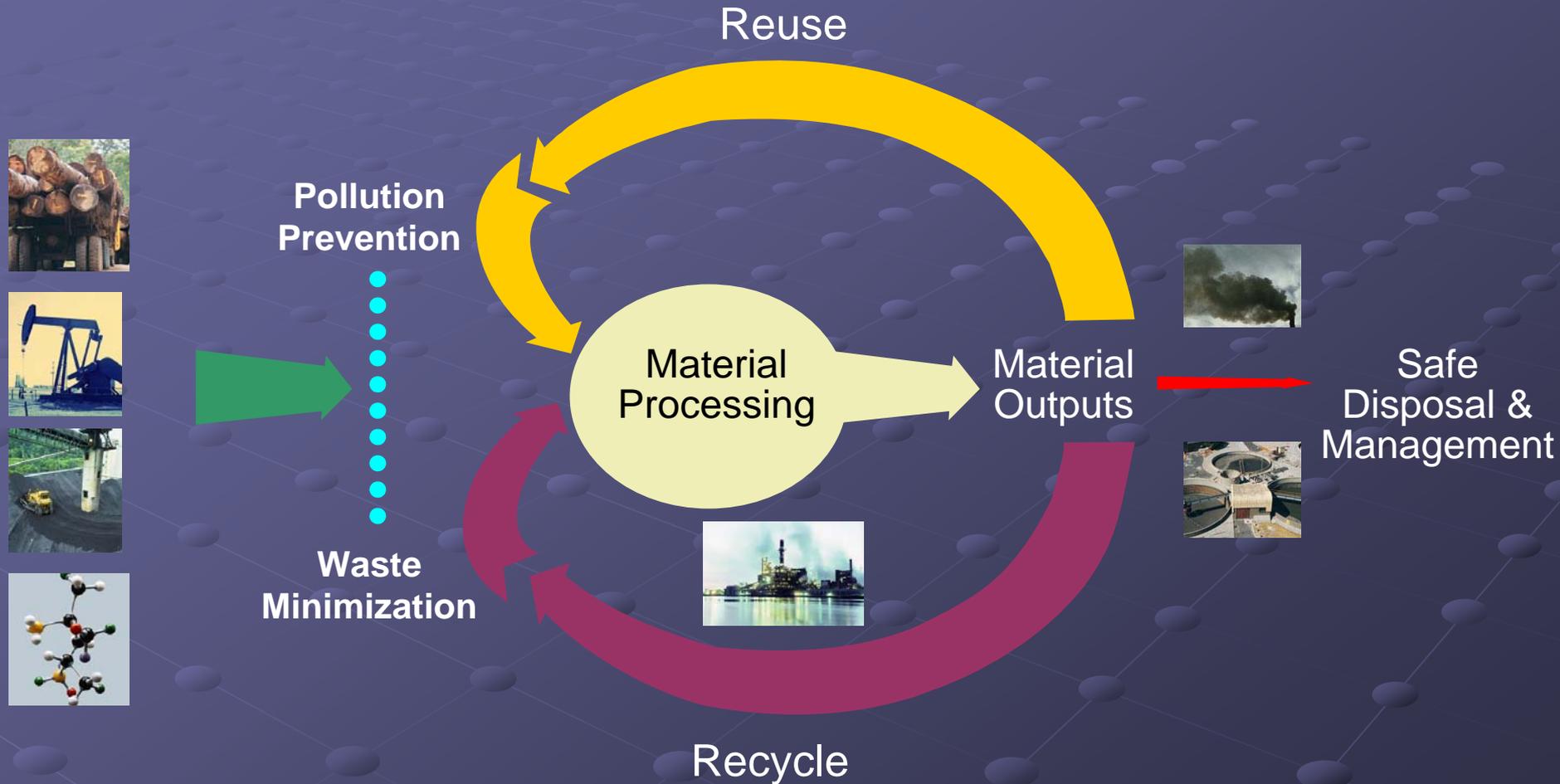
# WHAT IS NPEP?

- Launched in 1994 as waste minimization program.
- Free enrollment program – partner chooses chemical, how much, what process to reduce it and by when.
- National Goal for Congress: Reduce the use or release of 4 million pounds of Priority Chemicals by 2011.

# NPEP wants you to get from Cradle – to – Grave...

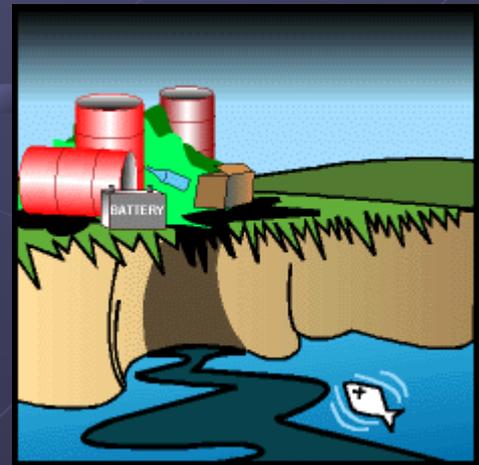


# ...to Efficient Materials Management (Cradle – to – Cradle)



# What are the 31 Priority Chemicals?

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



## National Partnership for Environmental Priorities

<b>Chemical</b>	<b>CASRN</b>	<b>Chemical</b>	<b>CASRN</b>
1,2,4-Trichlorobenzene	120-82-1	Hexachloroethane	67-72-1
1,2,4,5-Tetrachlorobenzene	95-94-3	Methoxychlor	72-43-5
2,4,5-Trichlorophenol	95-95-4	Naphthalene	91-20-3
4-Bromophenyl phenyl ether	101-55-3	PAH Group	defined in TRI
Acenaphthene	83-32-9	Pendimethalin	40487-42-1
Acenaphthylene	208-96-8	Pentachlorobenzene	608-93-5
Anthracene	120-12-7	Pentachloronitrobenzene	82-68-8
Benzo(g,h,i)perylene	191-24-2	Pentachlorophenol	87-86-5
Dibenzofuran	132-64-9	Phenanthrene	85-01-8
Dioxins/Furans	1746-01-6	Polychlorinated Biphenyls (PCBs)	1336-36-3
Endosulfan, alpha/Endosulfan, beta	959-98-8 33213-65-9	Pyrene	129-00-0
Fluorene	86-73-7	Trifluralin	1582-09-8
Heptachlor/Heptachlor epoxide	76-44-8 1024-57-3	Cadmium	7440-43-9
Hexachlorobenzene	118-74-1	Lead	7439-92-1
Hexachlorobutadiene	87-68-3	Mercury	7439-97-6
Hexachlorocyclohexane, gamma-	58-89-9		

# Why we focus on priority chemicals?

- Once released, they can cause long-term toxic effects to human health and the environment, even if released in small quantities
- Eliminating the release of these toxic chemicals reduces environmental risks
- Many are present in hazardous waste in large volumes

# Who can join NPEP?

- Private, Public, Governmental Facilities, Tribes



- Private facilities include:

- 3M
- BP
- Dell
- General Electric
- Northrop-Grumman



- Public facilities include:

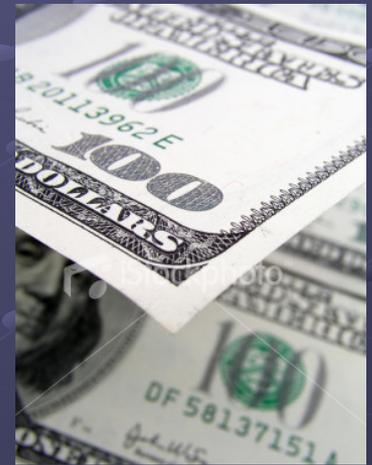
- University of Texas
- U.S. Army
- City of Los Angeles - LA World Airports
- U.S. Postal Service



# National Program Accomplishments

- Over 200 individual enrollees:
  - The majority are private industries, also federal facilities, cities/municipalities, and universities
- **2 million** pounds of Priority Chemicals reduced so far since inception
- All partners with their commitments are listed on the web:
  - <http://www.epa.gov/epaoswer/hazwaste/minimize/partnership.htm>

# What are the benefits of joining NPEP? WASTE = LO\$T PROFITS\$



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

# Benefits

## *Recognition and Awards*

- Enrollment plaque
- Achievement awards
- Use of NPEP logo 
- Publication of success story
- Press events (if desired)

## *NPEP Team Support Services*

- Waste minimization site visits
- Source reduction strategy development
- Technical information/resources
- Education/workshops

## *National Environmental Performance Track*

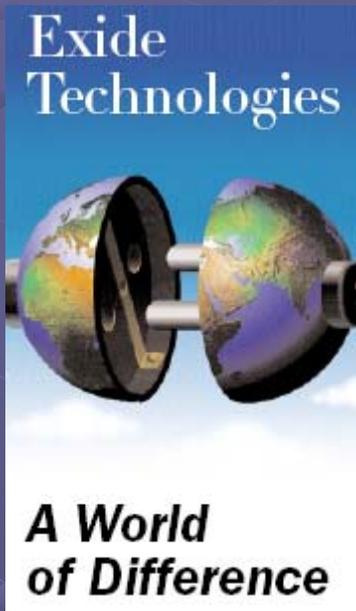
- Source reduction of **PCs** qualify as two of the four commitments necessary to join Performance Track



# Success Stories in California

## ● Exide Technologies

- Two years ago, this battery recycling facility in Vernon planned to reduce 130,000 pounds of lead from its blast furnace slag.
- See what they achieved:
  - The facility minimized its lead in waste shipments by over 200,000 pounds.
  - During the same time the production output of the plant grew by 34%.
  - The lead contents in the waste decreased so much that waste shipments are now non-hazardous.
  - The recycling rate of lead in the production improved by 27%.
- The economic bottom line of all this:
  - Savings of \$350,000/yr.



# More Success Stories in California

- Northrop Grumman Space Technology
  - NGST reduced trichlorobenzene in solvents used at its Redondo Beach microelectronics plant by over 11,000 pounds within the last 2 years.

***NORTHROP GRUMMAN***

DEFINING THE FUTURE

# Who else is on board in California



## ● Los Angeles World Airports/LAX

- LAWA reduced 2,200 pounds of mercury by replacing their mercury flow-meters with digital transmitters.



## ● Steelscape

- A metal coating facility in Rancho Cucamonga enrolled with the goal to reduce naphthalene in its waste by 17 thousand pounds.

# Recognition of Region 9 Partners

Exide Technologies



Northrop Grumman



# California's Take-it-back

- Partnership with California EPA to provide free and convenient ways for California residents to properly return everyday hazardous household wastes such as compact fluorescent lamps (CFLs), that can no longer be disposed of in the trash.



# How to become an NPEP member?

1. Identify one or more chemicals for reduction.
2. Fill out the enrollment form -- <http://www.epa.gov/npep/>
  - Define goals for selected chemical.
  - Develop timeline.
3. EPA performs compliance screen.
4. Achieve goals and report Success Story to be eligible for Achievement Award.

OMB No. 2050-0106  
Expiration Date: 03/31/2009

  
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 _____
Auditing Official _____	Title _____
Address _____	City/State/Zip _____
Phone/Fax _____	E-mail _____
EPA RCRA 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 materials 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 goals 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):

<input type="checkbox"/> Equipment or technology modifications.	<input type="checkbox"/> Process or procedure modifications.
<input type="checkbox"/> Reformulation or redesign of products.	<input type="checkbox"/> Substitution of less toxic raw materials.
<input type="checkbox"/> Improvements in inventory control.	<input type="checkbox"/> Improvements in maintenance/hoarding 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).

2b. To accomplish this recycling or recovery goal, we will use the following systems (check all that apply):

<input type="checkbox"/> Direct reuse in a process to make a product.	
<input type="checkbox"/> Processing the waste to recover or regenerate a usable product.	
<input type="checkbox"/> Using/leaving waste as a substitute for a commercial product.	
Other (describe): _____	

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

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



For more information please visit  
<http://www.epa.gov/npep>

**Olof Hansen**

**EPA Region 9 San Francisco**

**415-972-3328**

**[hansen.olof@epa.gov](mailto:hansen.olof@epa.gov)**

**André Villaseñor**

**EPA Southern California-LA Field Office**

**213-244-1813**

**[villasenor.andre@epa.gov](mailto:villasenor.andre@epa.gov)**

