

Waste Minimization Lead Team

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**US EPA Office of Solid Waste
Waste Minimization Branch
February 11, 2003**

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Agenda

- **Lead Team and Its Purpose**
- **Why Lead?**
- **Goals**
- **National Waste Minimization Partnership Program (NWMPP)**
- **Target Industry Sectors**
- **Data Analysis, Literature Search for Waste Minimization Opportunities, and Case Studies**
- **Involving Regions and States – Regional Packages**
- **Contacting Facilities to Join NWMPP**
- **Lead Team's Role**
- **Long Term Plans**

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Lead Team and Its Purpose

- Lead Team is a cross-branch initiative
- Lead Team will eventually expand to other OSW Divisions, EPA Offices, Regions, States and Industry
- Purpose is to reduce lead in hazardous waste
- GPRA goal (50 % reduction by 2005)

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Why Lead?

- Lead is the most predominant of the 30 Waste Minimization Priority chemicals
- Lead is a problem itself and also found with other metals

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Goals

- Obtain commitments to reduce lead:
Get lead generators to sign up with the National Waste Minimization Partnership Program (NWMPP)
- Recognize and reward generators who reduce lead through source reduction and recycling

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National Waste Minimization Partnership Program

- Development of voluntary partnerships between EPA, States, industrial and commercial entities, and non-government organizations (NGO)
- These partnerships will focus on reducing the generation of hazardous (or other) wastes that contain Waste Minimization Priority Chemicals

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Target Industry Sectors

- Following sectors include large lead generators that overlap between TRI and BRS:

3312 (Blast Furnace & Steel Mills)
3672 (Printed Circuit Boards)
3691 (Storage Batteries)
3671 (Electron Bulbs)
3714 (Motor Vehicle Parts & Accessories)
3315 (Steel Wire Drawing & Steel Nails & Spikes)
3229 (Pressed & Blown Glass)
3341 (Secondary Non-Ferrous Metals)
3471 (Electroplating)
3482 (Small Arms & Ammunition)

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Data Analysis

- Analysis & Information Branch (AIB) developed a methodology (crosswalk between TRI and BRS), to analyze waste management practices and waste forms, and presented a list of target facilities from the SIC Codes in the previous slide with quantitative and graphical information. We will include this info. in the regional packages we plan to provide the regions in the near future.

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Literature Search for WM Opportunities & Case Studies

- Lead team performed literature search for waste minimization opportunities for the SIC codes mentioned earlier
- Case Studies were prepared and posted on the WM website, <http://www.epa.gov/wastemin/>, for companies that reduced lead generation through source reduction or recycling

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Involving Regions and States - Regional Packages

- Each Regional Package includes the following three major components:

Industrial Sector Fact Sheets
Facility Information
Graphical Summaries

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Regional Packages (Con't)

- Industrial Sector Fact Sheets include:
 - Background
 - Abstract & Purpose
 - Industry Snapshot
 - Manufacturing Processes & Waste Streams
 - Lead Found in Waste
 - Analysis of Waste Minimization Potential

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Regional Packages (Con't)

- Facility Information section includes:
 - a) The intersection of facilities reporting to BR as generating high probability lead wastes (D008, K061, K069 and K046) and also report to TRI as releasing lead;
 - b) The intersection of facilities reporting to BR as generating high probability lead wastes who also report to TRI but do not indicate lead releases; and
 - c) The facilities reporting to BR as generating high probability lead wastes but do not report to TRI.

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Regional Packages (Con't)

Graphical Summaries include:

- a) Maps showing how a region compares with national data
- b) Charts to summarize management, lead releases, waste generation, etc.

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Contacting Facilities To Join NWPPP

- Coordination with NWMPP
- Each region will hopefully partner with its respective States to contact target facilities to motivate them to join the NWMPP and achieve lead reduction in manufacturing processes and wastes
- Site Visits

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Lead Team's Role

- Complete and send packages to all 10 regions
- Receive regions' inputs on lead packages
- Refine our work / methodology on lead
- Periodically update packages and forward to regions for implementation
- Conduct conference calls with regions to provide assistance on regional packages
- Outreach to other divisions, program offices and industry (OPPT, DfE...)

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Lead Team's Role (Con't)

- Further study on lead (analysis of WM potential by comparing difference of population between two similar facilities for same wastestream)
- Marketing investigation
 - Serve as a support center to the partnership team
 - Encourage regions to use lead package for partnership program
- Participate in regional/states conferences (Reg 3 in Feb 03)
- Organize lead session for 2003 RCRA Nat'l Meeting
- Create searchable lead databases that can be accessed from the waste min. web site

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Lead Team's Role (Con't)

- Suggest waste minimization activities to facilities
- Facilitate an information exchange network / Work with other partners
 - Assist with contacting trade associations
 - Foster and identify national experts
- Participate in site visits as observers to build knowledge and expertise
- Coordinate / develop workshops
- Conduct training for regions, if needed
- Develop broad methodology or standard operating procedures to be used for other constituents

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Long Term Plans

- Review regulations for barriers to waste min. and be prepared to respond to request for regulatory relief
- Industrial ecology and material flow analysis
- Conduct data analysis and industry research (similar to lead) for all other waste minimization priority chemicals
- Study Next constituent: Naphtalene or Cadmium

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