

# Lancashire Street Disposal Area

## Information Meeting

Providence, RI

June 8, 2005



# AGENDA

- Welcome and Introductions
- Objectives
- Site History
- Residential Sampling Plan
- Removal Action for Spring 2005
- Next Steps
- Questions and Answers



**LANCASHIRE STREET, VACANT LOT AREA**

# LANCASHIRE STREET OBJECTIVES

- Determine if contaminated fill material is present in surface soils of residential properties in the neighborhood.
- Excavate contaminated surface soils from three vacant lots and cap the lots with clean material.



# SITE HISTORY

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- 1939: Natural depression exists where Lancashire Street neighborhood is currently.



**LANCASHIRE STREET - 1951**

# SITE HISTORY

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- 1955 to 1965: Natural depression is filled.



**LANCASHIRE STREET - 1965**

# SITE HISTORY

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- 1986 to 1988: Residential community built.



**LANCASHIRE STREET - 1981**



**LANCASHIRE STREET - 1995**

# PREVIOUS WORK

- **1988: RIDEM alerted of possibility of PCB contaminated auto fluff existing in the area.**
- Between 1988 and 2000, RIDEM and EPA, either jointly or separately, conducted surface soil sampling on the Lancashire Site.
- Laboratory analysis detected concentrations of PCBs and heavy metals that exceed RIDEM standards for soils on residential properties.
- In 1988 RIDEM capped the vacant lot area.



# SUSPECTED CONTAMINANTS

- Polychlorinated Biphenyls (PCBs)
  - A group of synthetic, toxic industrial chemical compounds which are chemically inert and not biodegradable.
  - Bind to soil particles and sediment.
  - No longer produced in the United States but still found in the environment.

# SUSPECTED CONTAMINANTS

- Lead

- Naturally occurring bluish-gray metal found in small amounts in the earth's crust.
- Human activities including burning fossil fuels, mining, and manufacturing, release lead into the air.
- Once in the air, lead may travel long distances before settling to the ground.
- Binds to soil particles.

# RESIDENTIAL PROPERTIES OBJECTIVE

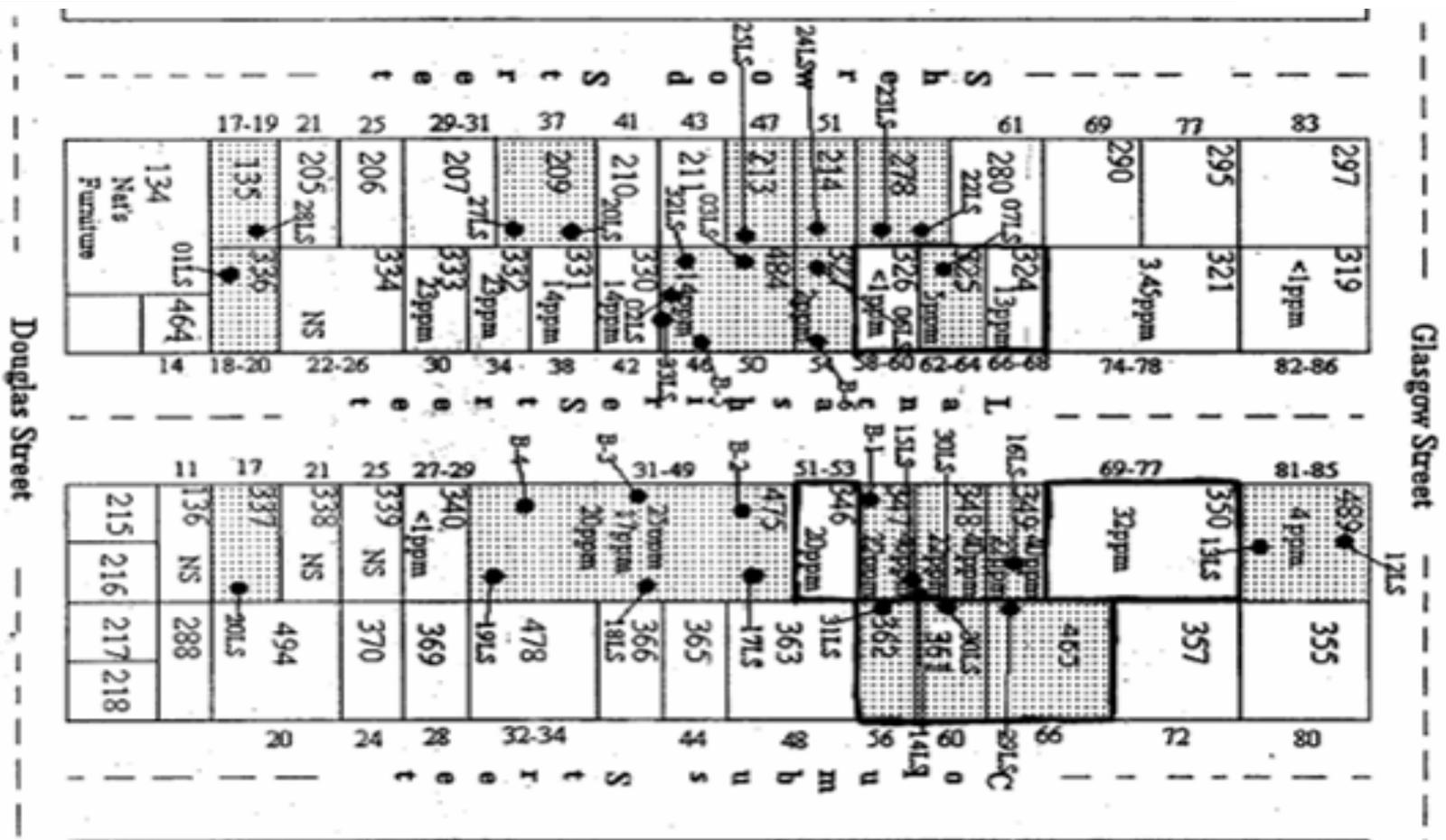
- Identify the extent of lead and PCB contaminated fill in the neighborhood.
- Eliminate the direct contact threat from contaminated soils.



# RESIDENTIAL PROPERTIES: Plan

- Identify properties to be sampled.
- Request and obtain permission to access each property.
- Schedule sampling.
- Collect soil samples and analyze.
- Review results.
- Sample additional properties as needed.

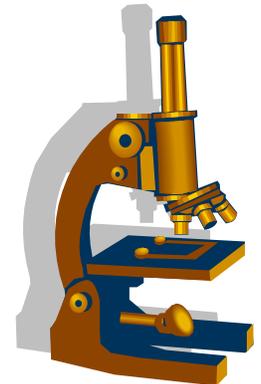
# LANCASHIRE STREET SITE



# RESIDENTIAL PROPERTIES

## Sampling Approach

- Collect Soil Samples
  - Surface, 0 to 6 inches deep
  - Depth, from 1 to 3 feet deep
  - Number of samples will be determined by the property size
- Analyze Soil Samples
  - PCBs
  - Lead



# RESIDENTIAL PROPERTIES: General Information

- EPA On Scene Coordinator present on site.
- Sampling crew of 4 to 6 people.
- Hours:
  - Weekdays, 8:00 am to 4:30 pm.
  - No weekend hours anticipated at this time.



# VACANT LOTS: Completed Activities

- May 17 – 19, 2004 EPA sampled vacant lots
  - Collected surface and depth soil samples.
  - Analyzed samples using EPA's mobile field lab.
  - Analysis showed lead and PCB contamination on site in surface soils above the RIDEM standard for residential properties.



New England  
Regional Laboratory

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# VACANT LOTS: Plan

- Excavate soil to create a level area.
- Dust suppression activities during excavation.
- Remove old plastic cap from area.
- Bring in clean fill material.
- Install new cap on the area.
- Assure proper drainage of water.
- Spread loam and re-vegetate the area.



# NEXT STEPS

- Spring 2005
  - Phase I of residential sampling began June 2
  - Residential property owners and tenants included in Phase II will be contacted with a request for access
  - Request and obtain access to Phase II properties.
  - Create a sampling schedule and begin sampling.
  - Incorporate residential properties into the removal action activities.
  - Review individual results with owners and tenants.
  - Excavate and cap three vacant lots.

# COMMUNITY INVOLVEMENT

- Periodic Flyers and Newsletters
- Press Releases
- Information Meetings
- Individual Meetings with Homeowners & Tenants
- Toll Free EPA Number:  
888-372-7341



# PROJECT CONTACTS



- EPA

- Mia Pasquerella      On Scene Coordinator

- Telephone: 888-372-7341 ext. 81120

- Angela Bonarrigo      Community Relations

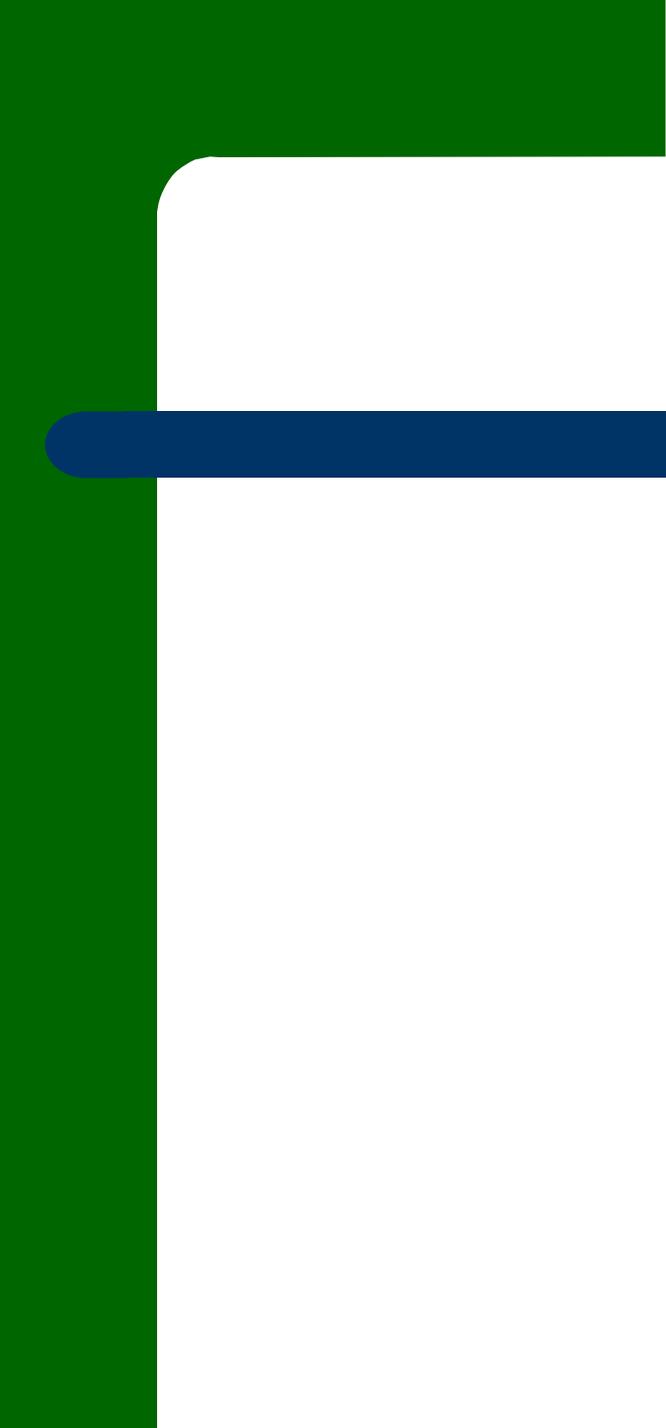
- Telephone: 888-372-7341 ext. 81034

- RIDEM

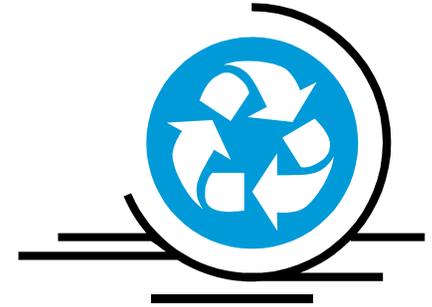
- Joan Taylor      401-222-2797 ext. 7514

- ATSDR

- Katherine Robbins      888-372-7341 ext. 81493

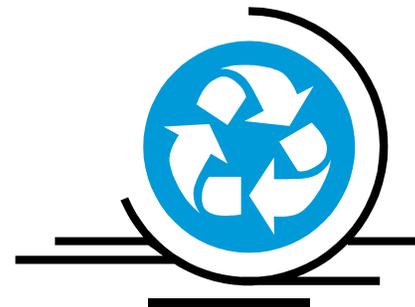


# SUPERFUND



- Established in 1980 by Congress authorizing funds to cleanup polluted sites.
- Used to clean abandoned sites or sites where the responsible parties are not able to pay for cleanup.

# SUPERFUND GOALS



- Protect human health and the environment by cleaning up polluted sites.
- Involve communities in the cleanup process.
- Return previously-polluted land to productive use.
- Time Critical Removal Actions are undertaken when contamination poses an immediate threat to human health or the environment and requires immediate attention.