# Garfield Avenue Site Cleanup Full Excavation Plan Public Meeting

January 27, 2011 6:30 p.m.

Mary McLeod Bethune Life Center 140 Dr. Martin Luther King Jr. Drive Jersey City, N.J.

## Chromium Cleanup Partnership

N.J. DEPARTMENT OF ENVIRONMENTAL PROTECTION CITY OF JERSEY CITY PPG INDUSTRIES COURT-APPOINTED SITE ADMINISTRATOR

# **Meeting Overview**

- Welcome / Introduction
- Updates
- Citizens Advisory Board
- Full Excavation Plan
- **Q&A**
- Open Information Session



# **Welcome / Introduction**

Remarks - Mayor Healy

Program Format



- Cleanup to Date
- Exposure Prevention/Air Monitoring
- Site Security
- Blood Sampling Program
- Residential Inspection Program
- Citizens Advisory Board



- Cleanup to Date
  - Cleanup started July '10
  - 35,500 tons of chromium contaminated waste dug up and sent to government approved disposal facility:
    - 8,500 tons of highly contaminated waste
    - 21,800 tons of soil mixed with waste
    - 5,200 tons of concrete and steel



Exposure Prevention/Air Monitoring

 Dust and hexavalent chromium levels stayed below DEP-approved air-quality limits
Air monitoring conducted 24/7
Two full-time air monitoring technicians on site

 Multiple prevention and protection plans
Dust Control, Air Monitoring, Traffic Safety and Control, Site Health & Safety



### **Cleanup to Date Air Monitoring Results**

Hexavalent chromium (through Jan. 7)



- <u>Site Security</u>
- 24/7 Security guards
- Internal alarm notification system
- Management on-call 24/7
- Loaded trucks required to pass extensive screening before leaving the site
- Secure perimeter fencing
- Surveillance cameras



- Blood Sampling Program
- Before cleanup began in July '10, blood samples were taken from 42 residents living near the Garfield Avenue site
- Results showed that there were no detectable levels of chromium that would indicate exposure to contaminated waste
- Exposure no different from other urban areas without chromium sites
- Samples analyzed by independent, certified laboratory
- Program administered by EOHSI
- First in a series of samples next round February 11



- Residential Inspection Program
- 64 requests received to date
- Record searches conducted for 54 properties
  - 8 sites were outside of the covered area
  - 1 request to determine eligibility
  - 1 in process
- Record searches indicated that there was no history of chromium waste on any of the properties

Follow-up physical site inspections requested by property owners and lab results from soil sampling have not identified chromium waste at any residential property

## Update - Mayor's Citizens Advisory Board

## Markis Abraham, Chairman



# **Garfield Avenue Group Sites**



Chromium Cleanup Partnersh<sup>2</sup>p

### **Original Plan for Garfield Avenue Group**



Initial cleanup and treatment study: 7/10 - 6/11
Alternatives analysis, final cleanup selection, design and review: 7/11 - 3/12

- Full-scale start-up of selected cleanup plan: 4/12
- Cleanup complete Fall 2014



### **Revised Plan for Garfield Avenue Group**



- Full excavation plan submitted to Superior Court: 11/23/10
- PPG to remove 700,000 tons of chromium waste
- Community preference and cleanup experience led to decision
- Sources of chromium waste removed to depth of 20 to 35 feet or where competent meadow mat is reached
- Excavated site will be filled with clean material
- Inaccessible areas, such as roads and light rail, will use treatment and/or containment
- On-Site wastewater treatment plant will be built
- Groundwater will be treated into the future





### **Garfield Avenue Site**

Naturally occurring layer of peat reduces hexavalent chromium into a harmless trivalent state.



### **Garfield Avenue Full Excavation Plan**



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## **Garfield Avenue Full Excavation Plan**

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# **Comprehensive Exposure Prevention Plans**

- Multiple, overlapping prevention and protection plans
  - Dust Control Plan
  - Air Monitoring Plan
  - Traffic Safety and Control Plan
  - Site Health & Safety Plan
  - Community Exposure Prevention and Testing Program

![](_page_28_Picture_7.jpeg)

## How to Reach Us

- Phone: 201-777-2099
- E-mail: Info@chromecleanup.com
- Mail: Chromium Cleanup Partnership P.O. Box 15981 Jersey City, N.J. 07305
- Visit: PPG's Garfield Avenue Renewal Co. 334 Martin Luther King Drive Tuesdays and Thursdays 10 a.m. - 2 p.m.

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