

Washington Works

EPA/COE Update Meeting

July 18, 2002

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Agenda

- Background/Recent Project Activity
 - RCRA Program Status
 - Multi-Media Consent Order Update
 - GW Modeling Project
- Review Preliminary GW Modeling Results
- RCRA Program Path Forward
 - RFI Report/EPA Review
 - EI Status

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Meeting Objectives

- Provide brief overview of recent MMCO activity at Washington Works
- Re-assess where we stand with regard to EPA Region III RCRA program, determine next steps (i.e., RFI, E.I.s)
- Receive technical feedback from EPA/COE on the newly constructed Wash Works GW Flow Model

Background/Recent Activity

- RCRA Program Status
 - EPA reviewing RFI report
 - C-8 screening levels needed for completion
 - EI evaluation also on hold pending C-8 screening levels
 - Ongoing GW Modeling project will address EPA/COE 2001 comments on 1999/RFI version of GW Model

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Background/Recent Activity

- Multi-media Consent Order (WVDEP)
- Required Elements:
 - Toxicology/CAT: Develop RBC-Like screening levels for dw, soil, and air
 - GW/SW Investigation/GIST: Determine extent in groundwater & surface water at/near sites
 - Cap/reduce emissions to air & sw

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CAT Highlights

- Toxicology team met May 5-7. Nationally recognized experts. Evaluated 20 years of tox data and TERA recommendations.
- Final Results:
 - Drinking Water: 150 ug/L
 - Soil: 240 mg/kg (ingestion)
 - Air: Not final, range .1-6 ug/m³

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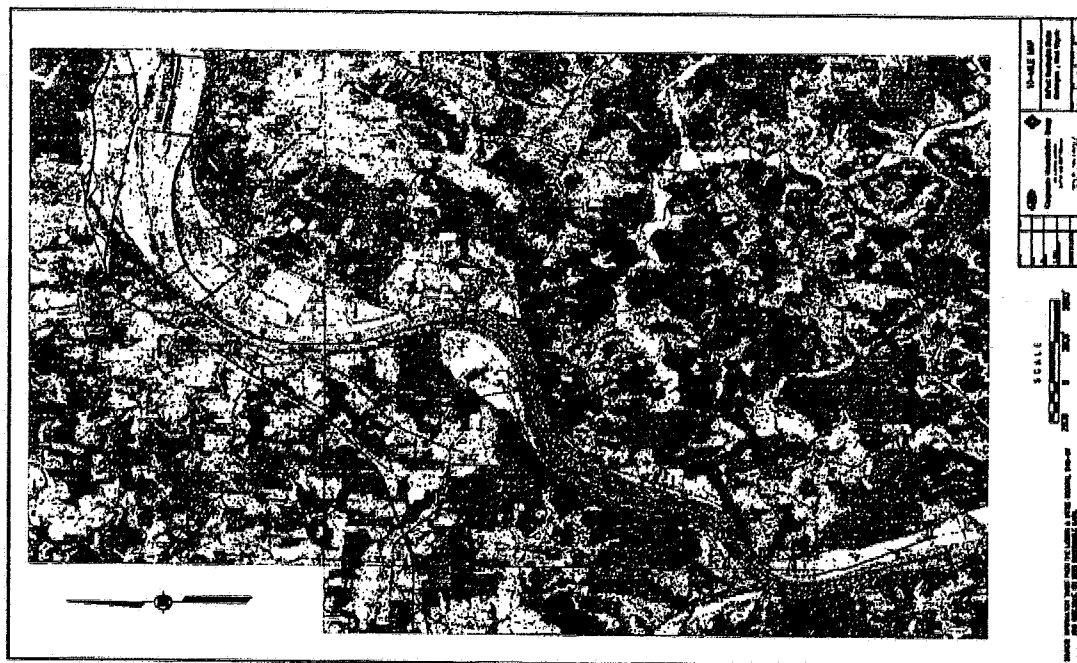
GIST Highlights

- Main Plant, Local, Dry Run, Letart Landfills. Have completed:
 - 1-mile water use survey & sampling (all sites)
 - 2-mile near Main Plant/Local LF
 - Ohio River PWS sampling (10 miles up/50 miles down)/1-4 events per location (15 sites)
 - Site monthly gw/sw sampling (4 consec. months)
 - Ohio River Sampling
 - Reports (Historical, Monthly, Summary)
 - Site(s) Investigation, 26 wells, ongoing
 - GW Model, expanded domain, ongoing

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MMCO-Emissions

- Required: Cap air emissions at year 2000 levels
- Voluntary Efforts in Teflon:
 - Teflon Wastewater/Oberlin Filter (90% Reduction)
 - Air: New scrubbers installed in April, hope to achieve 85% reduction

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MMCO-Groundwater Modeling Project

- Little Hocking WA 12/2001 results provided near -term driver
- Objective: Is groundwater transport of C-8 possible from DuPont site to LHW A well field
- GIST Oversight
- Use team of regulatory technical experts (I.e., USGS, WVDEP, EPA, COE) throughout process
- Today's Objective:
 - Mid-term review of progress to-date, including model set-up, conceptual model development, calibration runs, to obtain early feedback and answer questions

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DuPont Washington Works

Local LF

EastWell
Field

Ranney

002

ADPs

Gallery

005

West Field

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