

Implementation Overview  
Remedial Action Plan  
Lead Impacted River Sediments  
Mill River Study Areas I-V

The Former Exide Battery Facility Project  
2190 Boston Post Rd. Fairfield, CT

# Today's Presentation

- Project Summary
- Overview of Plan
- Project Implementation Safeguards
- Project Performance Confirmation
- Schedule

# Project Summary

- Dredge 21,400+/- Cu. Yds. of Impacted Sediments
- Remediation of Five Study Areas along 4,000+/- lin. ft. of Mill River
- Clean-up to Less Than Residential Standard of 400 ppm
- Upland Processing of Sediment
- Disposal of Dewatered Sediment at Off-site Permitted Landfills
- Sediment Dewatering Filtrate Treatment to Lead Concentration of 0.10 ppm or less

# Plan Overview

- Mobilize/Setup Site Controls
- Hydraulically Dredge Impacted Sediments
- Pump Dredge Slurry to Staging Area
- Condition Slurry for Dewatering
- Dewatered Solids to Off-Site Landfill(s)
- Filtrate Treatment and Return to River



Dredge

Mill Pond

Booster Pumping Station

Dewatering Aid(s) Conditioning



Filtrate Treatment

Discharge

Filtrate



Dewatering



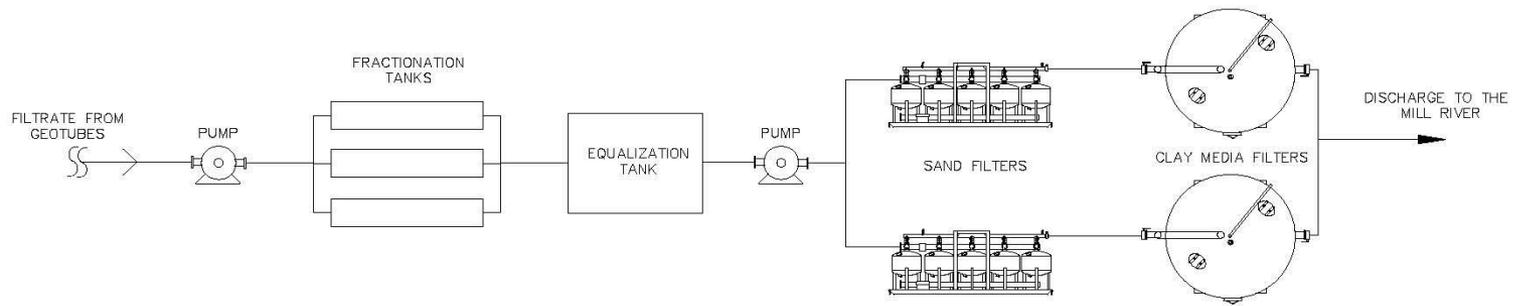
Sediment Cake to Landfill

Metro North Railroad

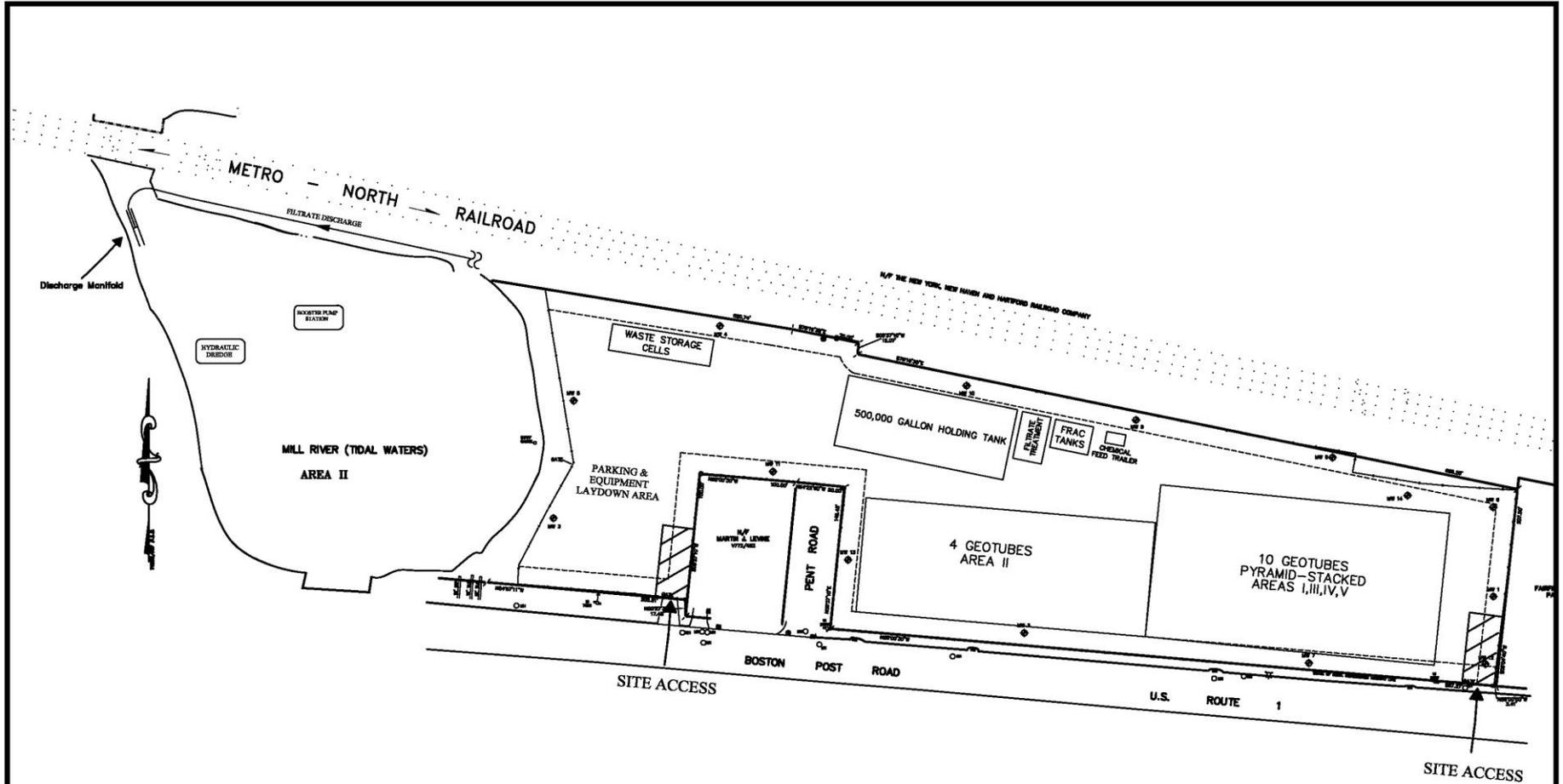
Post Road

### Preliminary Process Flow Schematic Remedial Action Plan for Lead Impacted River Sediments





FILTRATE TREATMENT SYSTEM



**CONCEPTUAL FACILITY PLAN  
REMEDIAL ACTION PLAN FOR LEAD-IMPACTED SEDIMENTS**



# Project Implementation Safeguards

- Regulatory Compliance
  - CTDEEP SedRAP Approval
  - NPDES Discharge Permit
  - OLISP General Permit
  - U.S. Army Corps of Engineers Permit
- On-Site Controls
  - Upland Erosion and Sedimentation Controls
  - Upland Odor Control
  - Dredge Cell Turbidity Curtains
  - Real Time Turbidity Monitoring
  - NPDES Discharge Sampling
  - GPS Positioning System
  - Full Time Contractor oversight

# Project Performance Confirmation

- Phase I - Full Time Contractor Oversight
  - Daily Bathometric Surveys
  - Daily Post Dredging Sediment Sampling
  - Daily Dewatering/Filtrate Quality Evaluation
- Phase II – Post Dredging Confirmation Sampling
  - Recreate Pre-Dredge (2008-2009) Core Sampling Program (> 400 core locations)

# Projected Project Schedule

- SedRAP Comment Period *(2/11/13)*
- NPDES Comment Period *(2/11/13)*
- CTDEEP Approvals *(3/28/13)*
- Contractor Selection/Award *(6/1/13)*
- Mobilization to Site *(7/1/13)*
- Sediment Remediation  
*(Two Seasons 8/13 - 11/14 )*
- Confirmation Sampling/Report  
Preparation *(Spring 2015)*

**Projected RAP Implementation Timeline  
Remedial Action Plan for Lead Impacted Sediments**

Activity	2013												2014										2015						
	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	January	February	March	April	May	June
Public Information Meeting (1/10/13)	█																												
NPDES Comment Period (2/11/13)	█	█																											
SedRAP Comment Period (2/11/13)	█	█																											
CTDEEP Approvals (3/28/13)			█																										
Contractor Selection/Award (6/1/13)					█																								
Mobilization to Site (7/1/13)						█																							
<b>Sediment Remediation (8/13-11/14)</b>							█	█	█	█	█	█				█	█	█	█	█	█	█	█						
Confirmation Sampling (Spring 2015)																										█	█	█	█
Final Report																												█	█

█ = winter shut-down period  
 Note: Dredging program timeline assumes receipt of CTDEEP approvals by March 28, 2013