

CRREL Restoration Advisory Board Meeting

September 22nd, 2021



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Agenda

- Introduction of New Corps PM and RAB Members and Attendees
- Review/Approve February Meeting Minutes
- Proposed Plan and Decision Document
- Connecticut River Remedial Investigation Report
- Off-Site Sampling
- Groundwater Treatment Plant
- Remedial Systems Update
- Richmond Middle School
- Upcoming Work This Quarter
- Adjourn



Proposed Plan

- Draft Final has been reviewed by NAE, public comment period and meeting later this fall.
- Proposed Plan for onsite contamination conclusions:
 - ▶ Preferred Alternative for soil gas remediation established as SVE based on successful pilot testing
 - Up to 5 years to reach remedial goals
 - Larger footprint than current pilot scale systems
 - ▶ Preferred Alternative for groundwater remediation established as an optimized treatment plant
 - 63-109 years to reach remedial goals
 - The system under design meets criteria for this alternative.

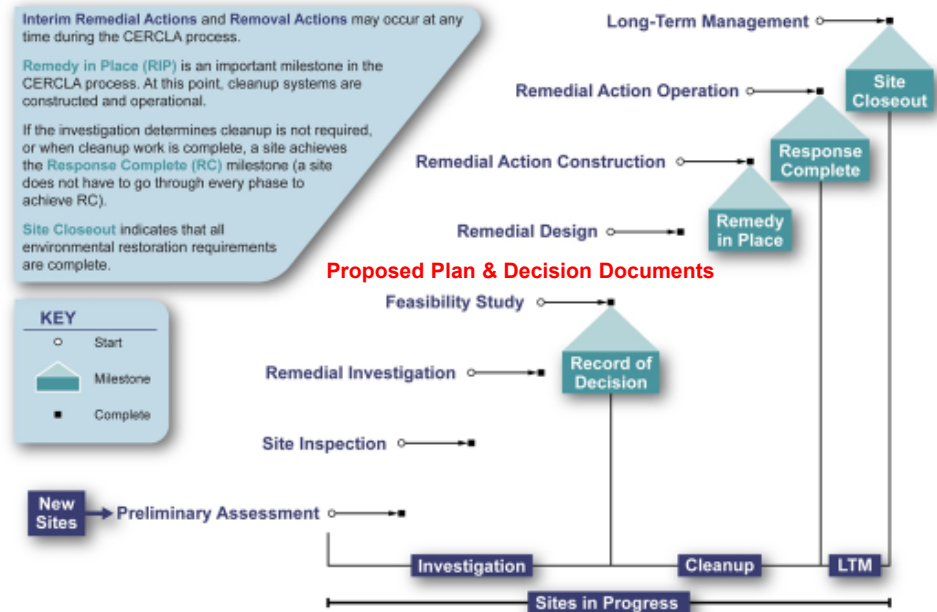


Proposed Plan and Decision Documents

■ Next Steps in the CERCLA Process

- ▶ Proposed Plan – Winter 2021-2022
 - Provides public opportunity to understand and comment on selected remedies.
- ▶ Decision Documents/ Record of Decision – Mid 2022
 - Provides formal record and rationale for selected remedy and commits parties to the remedy.

Environmental Restoration Process Phases and Milestones



Proposed Plan and Decision Document is a Formal Process

- Public Notice
- Documents will be on file at Howe Library
- 45-day Public Review Cycle
- Public Meeting
- RAB Support
 - ▶ Review Documents During Public Comment Period
 - ▶ Attendance at Public Meetings



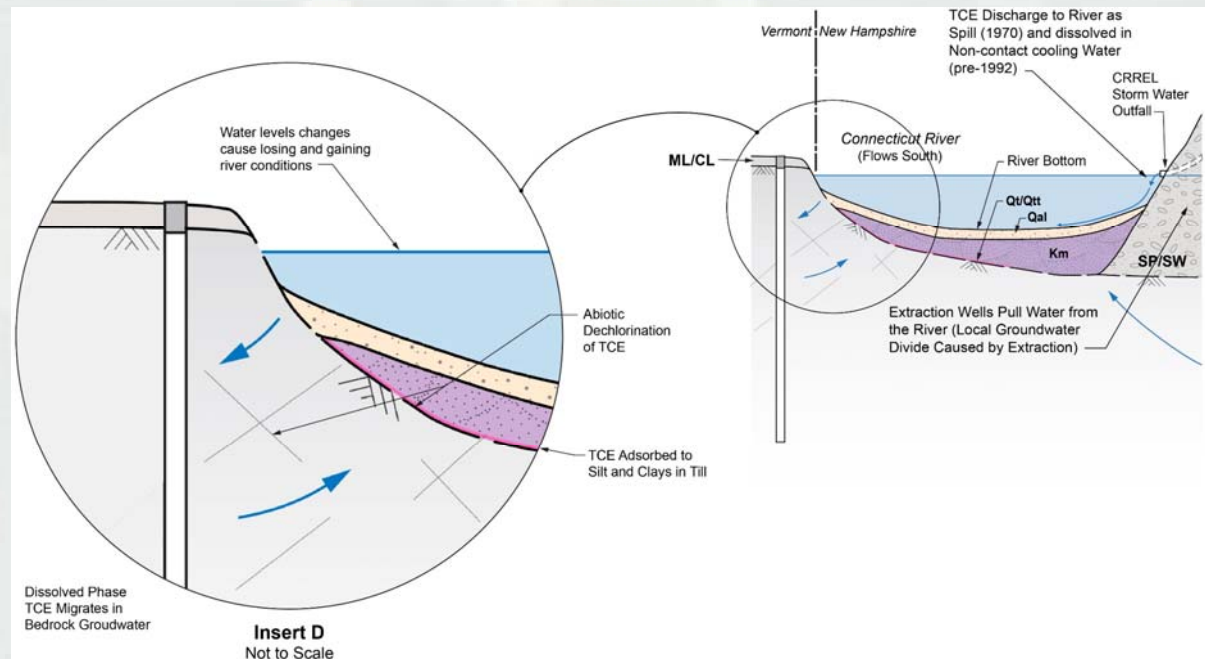
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Connecticut River RI Report

- Draft Final Status in Corps Review
- Results for surface water and sediment show no significant risk to ecological or human receptors.
- Draft Final Report to Vermont DEC, NHDES, and RAB scheduled for Fall 2021.
- Advises a Supplemental Feasibility Study



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Off-Site Sampling in 2021

- Synoptic Soil Gas Sampling Completed in August
 - ▶ Facility
 - ▶ Rivercrest
 - ▶ Richmond Middle School
 - ▶ Dartmouth Properties
- Richmond Middle School Indoor Air Sampling postponed to Dec/Jan break; sampling will then be conducted in 5-year reviews.



Soil Vapor Data Visualization



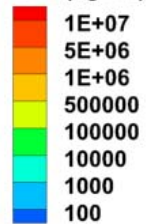
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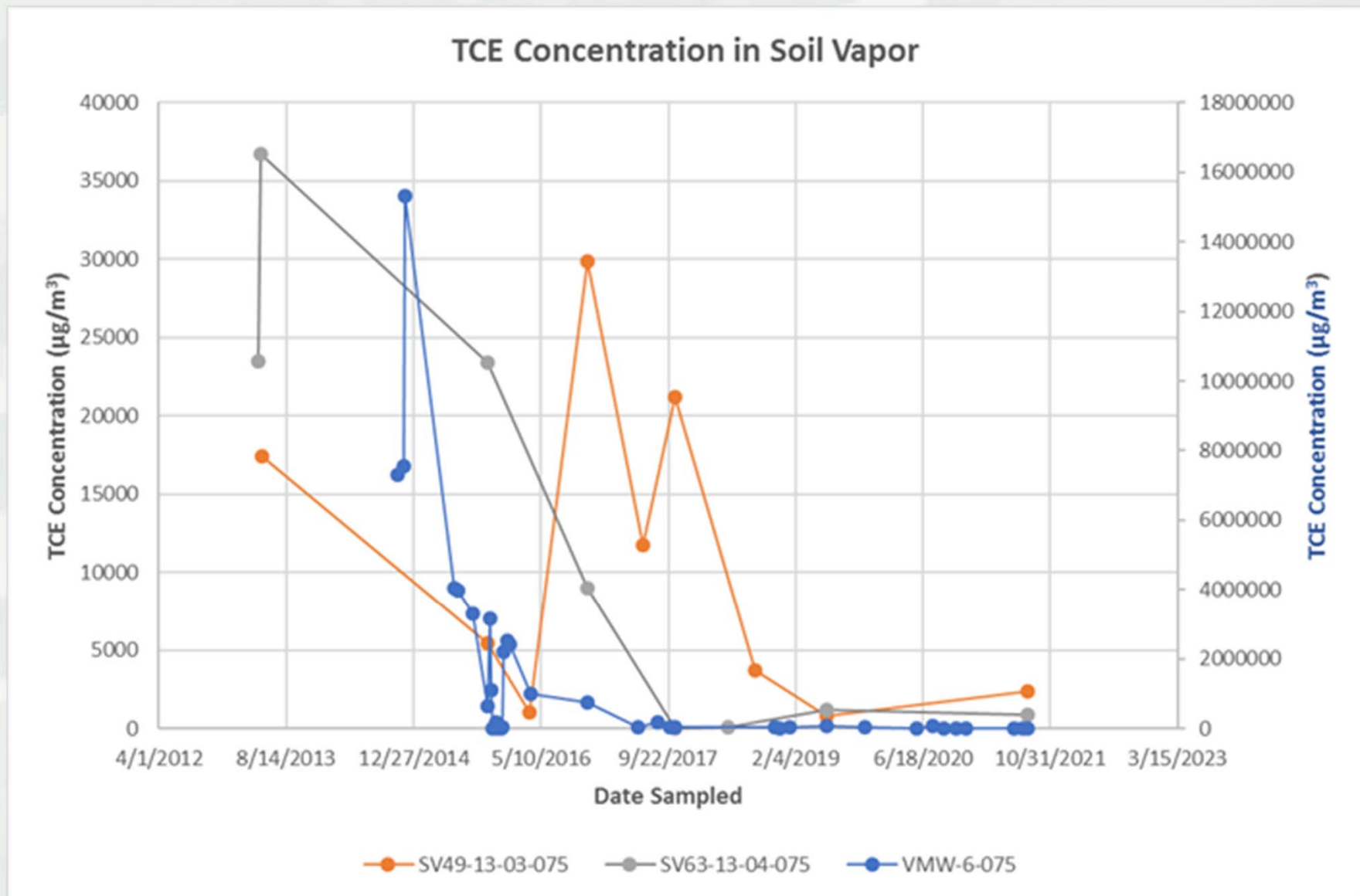


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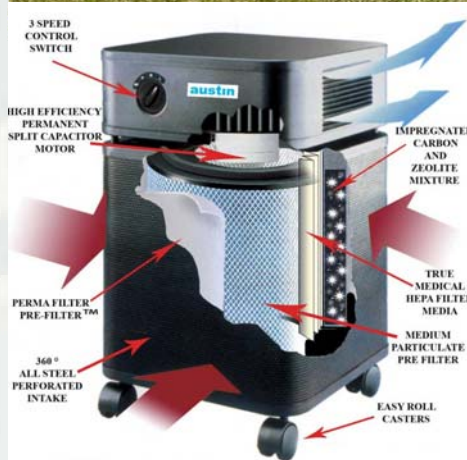
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Soil Gas Trend Plot



Remedial Systems Update

- SVE Systems Run Only During Overnight Hours (1800 to 0600 hrs) as of Tuesday August 10th.
- SVE Rebound study planned for Spring 2022.
- Keep Healthmates running during the Summer and early Fall months
- Plenum Air Purifying Units are currently operating



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Groundwater Treatment Plant Update

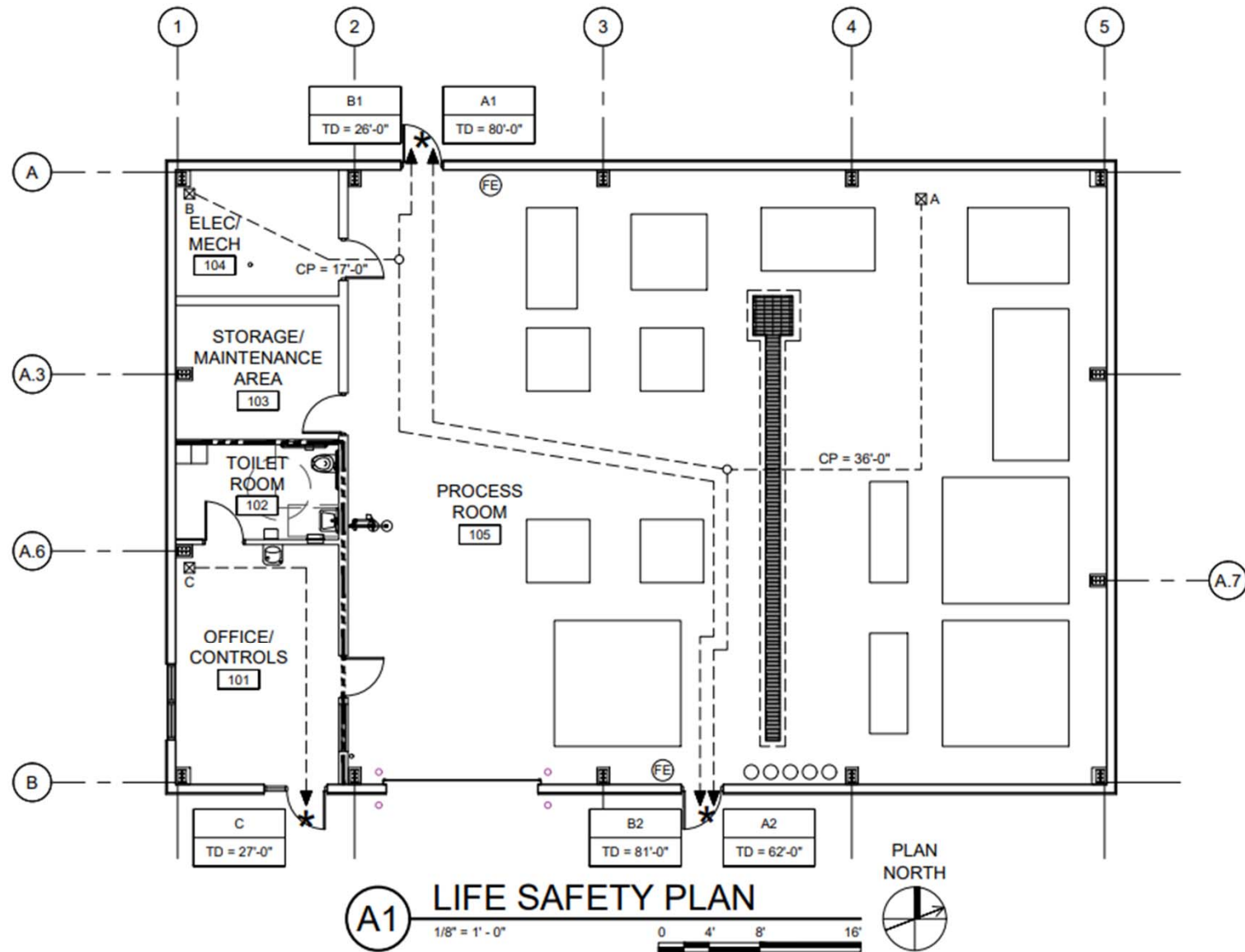
- 60% Design Completed in June
- Building location is final. Bottom of the stairs and to the left.
- 100% Design expected to begin in 2022.
- Anticipate completion of the 100% design Spring 2023.
- Pending funding, construction may begin in late 2023.



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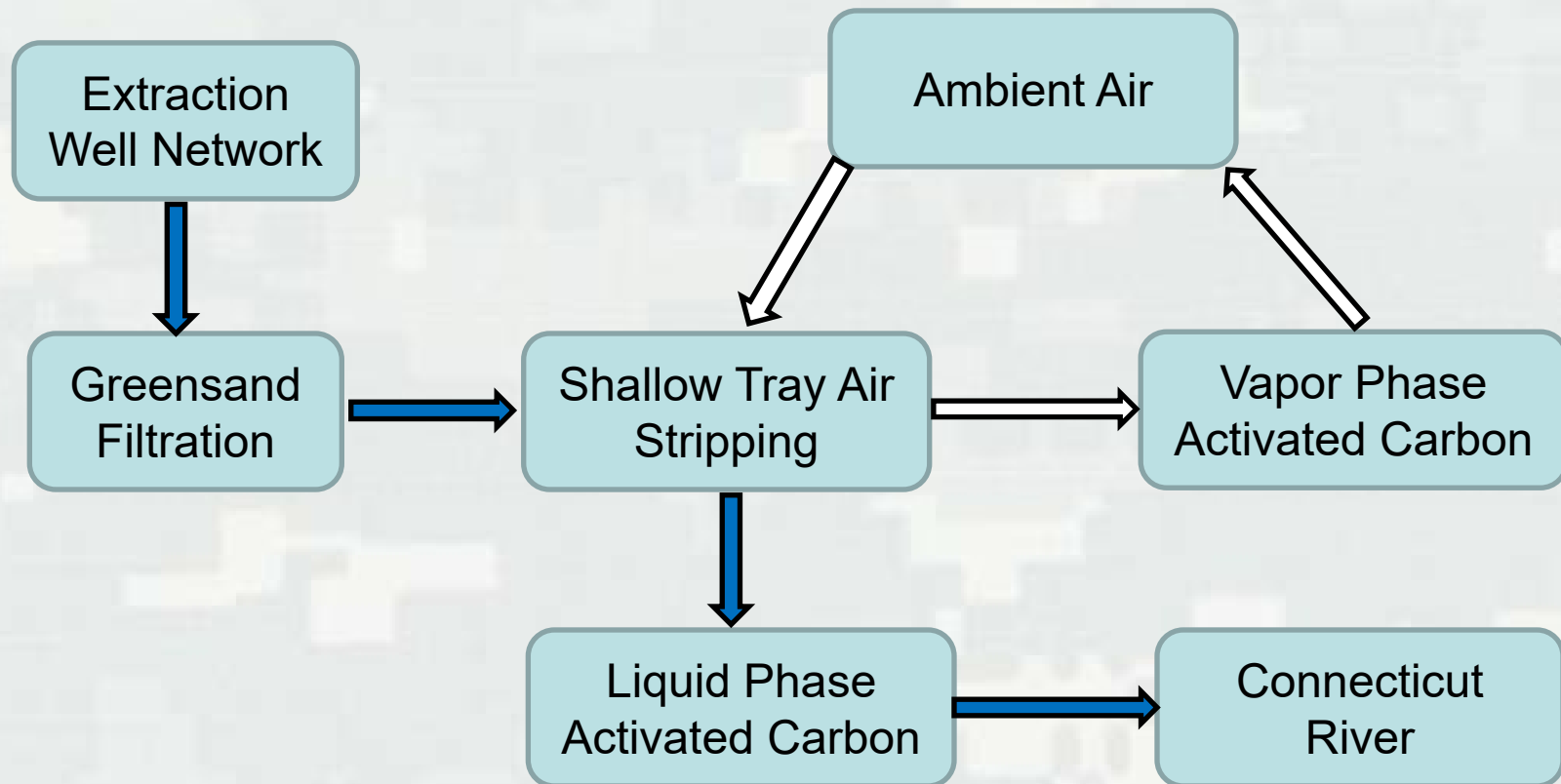
Groundwater Treatment Plant 60%

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Groundwater Treatment Plant



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Upcoming Work

- Continued monitoring of the Main Lab, FERF, and LMO
- Routine sampling of sub slab depressurization systems and enhanced permeability pilot test
- Finalize Draft Final CT River RI for Regulatory Review
- Proposed Plan and Decision Document for on-site
- RMS sampling in Dec/Jan
- Work on Design for the New Groundwater Treatment Plant



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