

CRREL Restoration Advisory Board Meeting

February 17th, 2021



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Agenda

- Approve Meeting Minutes
- Feasibility Study
- Proposed Plan and Decision Document
- HAPSITE Full Scan Program
- Indoor Air Trends in the Main Lab
- Groundwater Treatment Plant
- Richmond Middle School Sample Schedule
- Upcoming Work This Quarter
- Adjourn



Feasibility Study

- Document Issued Final January 2021
- Uploaded to NHDES OneStop Site
- Feasibility Study Concluded
 - ▶ Three Alternatives for soil gas remediation established
 - 2-5 years to reach remedial goals
 - ▶ Six Alternatives for groundwater remediation established
 - 58-214 years to reach remedial goals



Proposed Plan and Decision Documents

- Next Steps in the CERCLA Process
 - ▶ Proposed Plan – December 2021
 - ▶ Decision Document – May 2022

Environmental Restoration Process Phases and Milestones

Interim Remedial Actions and Removal Actions may occur at any time during the CERCLA process.

Remedy in Place (RIP) is an important milestone in the CERCLA process. At this point, cleanup systems are constructed and operational.

If the investigation determines cleanup is not required, or when cleanup work is complete, a site achieves the **Response Complete (RC)** milestone (a site does not have to go through every phase to achieve RC).

Site Closeout indicates that all environmental restoration requirements are complete.



New Sites

Preliminary Assessment

Site Inspection

Remedial Investigation

Feasibility Study

Remedial Design

Remedial Action Construction

Remedial Action Operation

Long-Term Management

Investigation

Cleanup

LTM

Sites in Progress

Record of Decision

Remedy in Place

Response Complete

Site Closeout

Proposed Plan & Decision Documents



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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



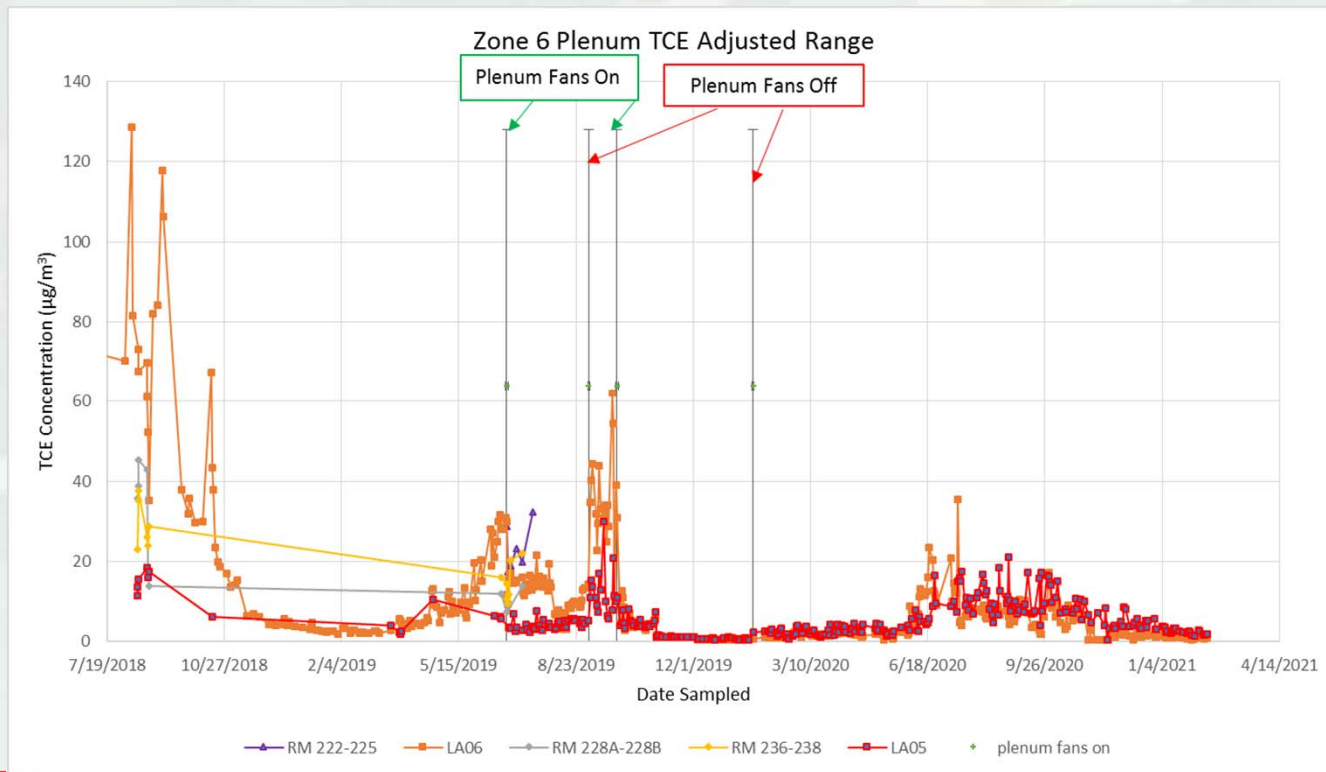
HAPSITE Full Scan

- The HAPSITE can be used for full scan analysis to screen for the presence of other volatile compounds in air besides TCE
- Full scan analysis completed to address employee concerns of exposure to other potential chemicals in an environmental lab setting
- Sampling is conducted weekly at occupied areas on the 1st and 2nd floor of the Main Laboratory
- Results are estimates as the HAPSITE is only calibrated for TCE, compounds are identified from the National Institute of Standards and Technology library.

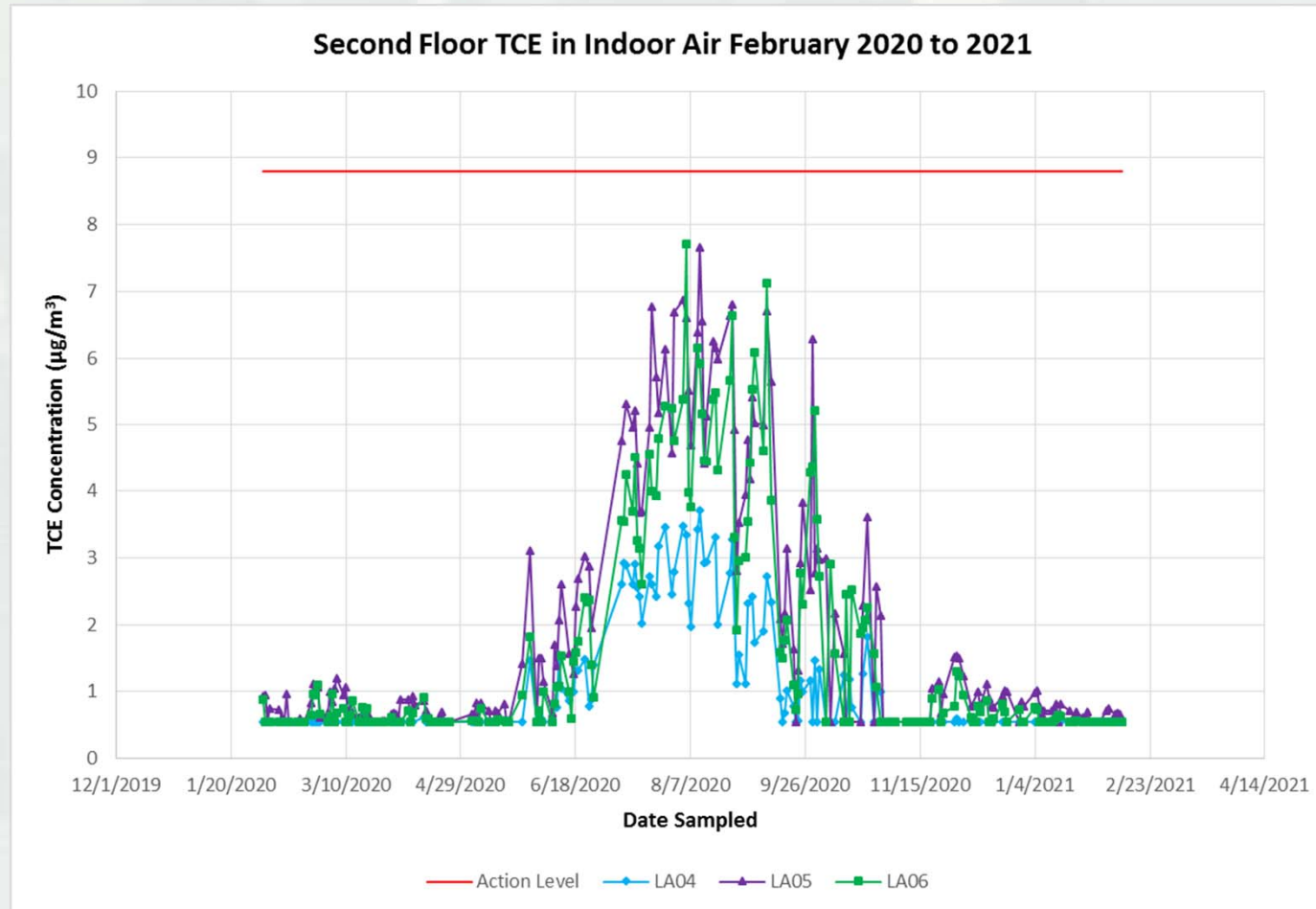


Indoor Air Trends in the Main Lab

- Plenum APU fans remain shut down since January 20th, 2020 to present



Indoor Air Trends in the Main Lab

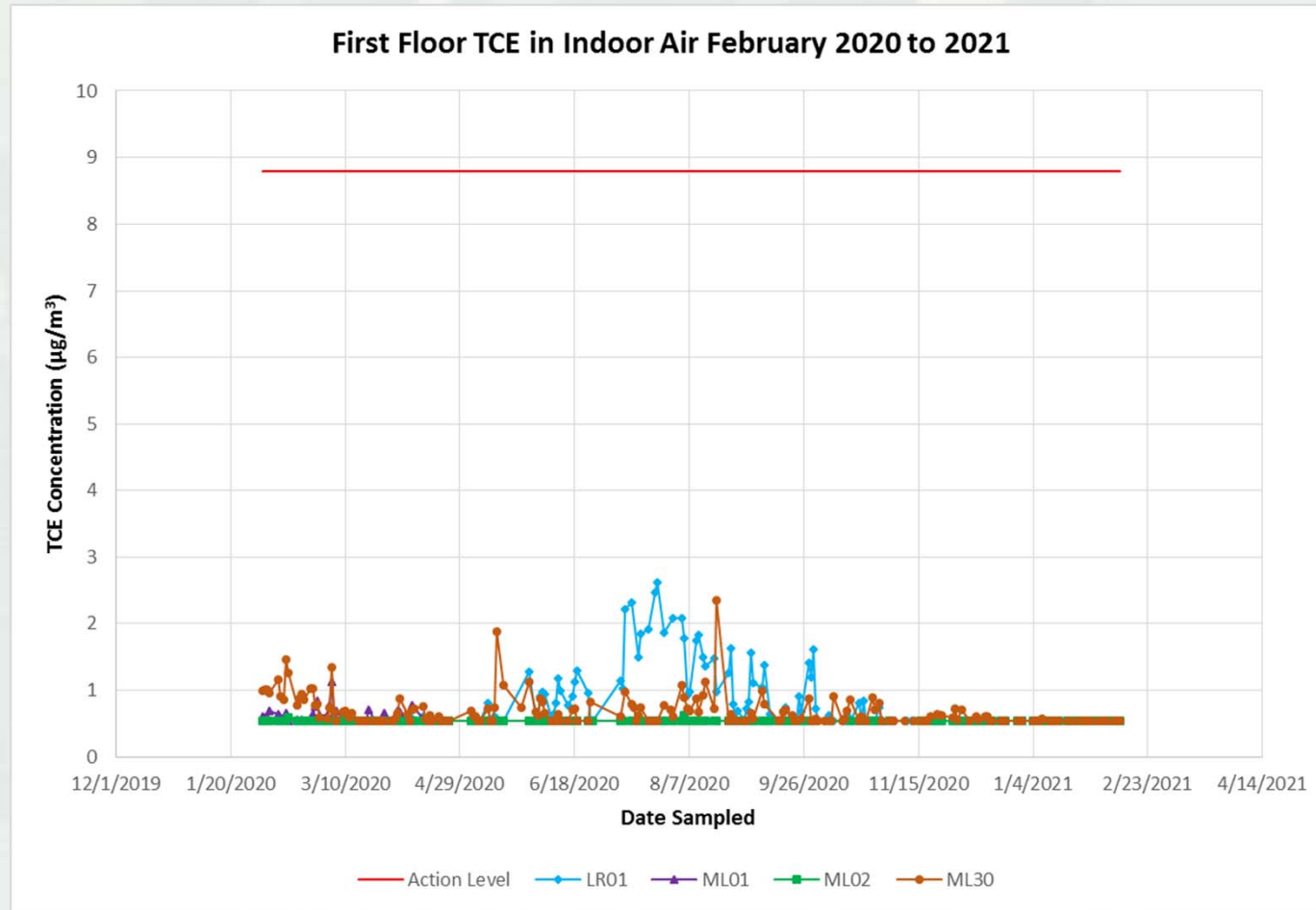


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Indoor Air Trends in the Main Lab

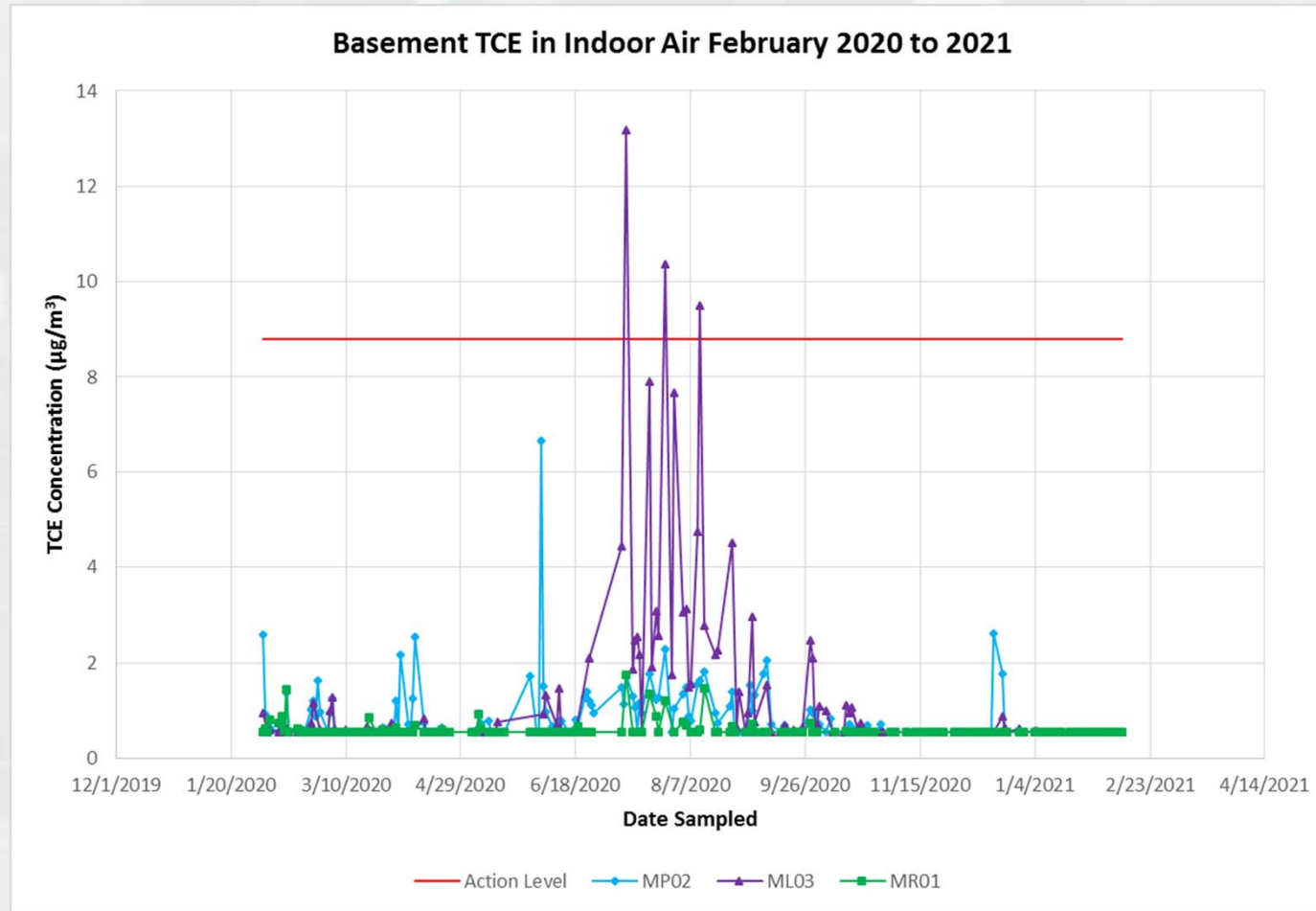


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Indoor Air Trends in the Main Lab



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Groundwater Treatment Plant Update

- 60% Design Initiated in January
- USACE NAE and ERDC CRREL Kickoff Meeting Conducted on January 28th
- Further updates in the spring meeting

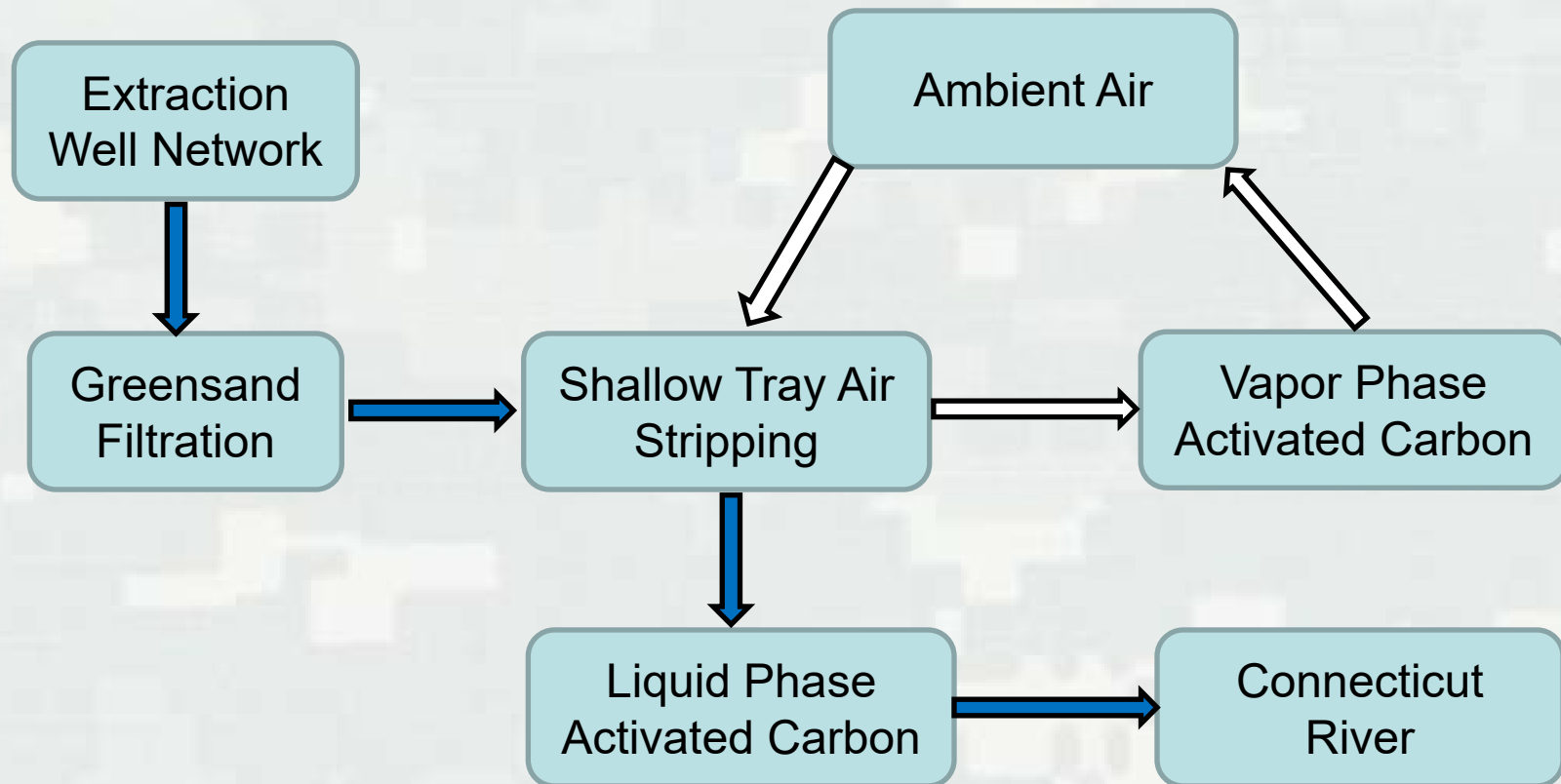


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Groundwater Treatment Plant



Off-Site Sampling in 2021

- Synoptic Soil Gas Sampling in the Spring
 - ▶ Facility
 - ▶ Rivercrest
 - ▶ Richmond Middle School
 - ▶ Dartmouth Properties
- Richmond Middle School Indoor Air Sampling in August, sampling once a year until 2022 then every 5 years.



Upcoming Work

- Continued monitoring of the Main Lab, FERF, and LMO
- Routine sampling of sub slab depressurization systems and enhanced permeability pilot test
- Soil gas sampling in Spring
- Finish the Draft Supplemental Remedial Investigation for the CT River
- Reminder that Final reports can be found on the sharepoint site and in the CRREL library



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Thank You for Your Service Daniel! Well Done and Good Luck.



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