



Environmental Updates

Community Advisory Council Meeting

Jason Remien

Manager, Environmental Protection Division

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@BrookhavenLab

Building 197 High Bay Demo and Mercury Remediation Project

Project Scope:

Demolition of the wood frame building, soil excavation and disposal of remaining mercury contamination.

Benefits:

Eliminate deferred maintenance and repair needs, reduce environmental, safety and health risks

Project Status:

- Community Air Monitoring Plan (CAMP) and Remedial Work Plan were submitted to regulators and currently in process of preparing responses.
- Transportation and Disposal contract is in process of being awarded.
- Contract for any necessary maintenance repairs to on-site railroad tracks has been completed.
- Long reach special heavy equipment rental contract is in place and to call in equipment needed to assist with demo and excavation of mercury soil.
- Waste packaging and PPE is in hand with additional respirators and filter cartridges on order.
- BNL Work Planning development for inhouse labor continues.



Operable Unit III Building 96 (AOC 26B) Source Area Optimization

Completed the Building 96 VOC source area treatment injections and currently conducting post injection groundwater monitoring to determine effectiveness.

- ***“An active remediation technology should be considered to reduce concentrations near source area monitoring well 085-379.”***
- Liquid carbon injection and zero valent iron (ZVI) was chosen to capture dissolved residual source area compounds and treat them in-situ.
- Treatment area is relatively small and not very deep, this technology is cost effective compared to other source area treatment approaches.



Other Accomplishments/Updates

- Installing groundwater vertical profile wells to increase understanding of the downgradient extent of PFAS and 1,4-dioxane south of the Current Firehouse.
- In process of responding to a NYSDEC Request for Information (RFI) that involves the completion of a survey and sampling/analyses of SPDES permitted discharges for PFAS and 1,4-dioxane.
- Completed Annual Site Environmental Report (Volumes I and II):
 - Briefed regulatory agencies on the Groundwater Status Report (Volume II)
 - Briefed BSA and BHSO Leadership on Volume I
 - Will brief CAC in October and November
- Hosted 15 summer interns including Ph.D. candidate
 - Studying impacts of fire on tick densities and tick-borne disease, small mammal populations, camera trapping, acoustic monitoring of bats, and more.

