



Powerhouse and Allen Mill Deconstruction

**Community Advisory Group Meeting
September 14, 2022**



Former GE Hudson Falls Plant

Allen Mill

Powerhouse

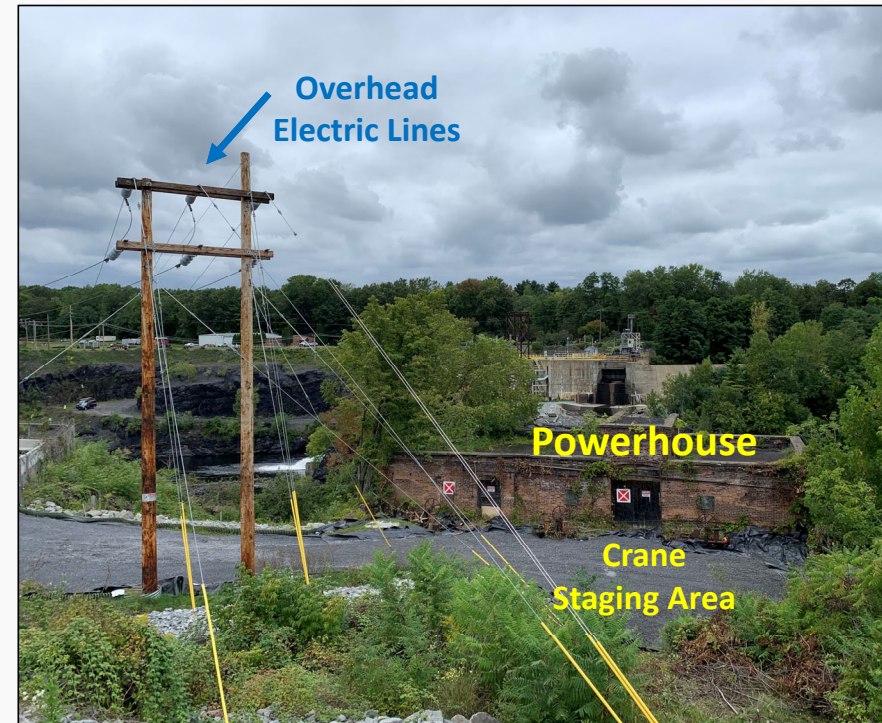
Baker's Falls
Dam

Hudson River
(low flow condition)

Powerhouse Deconstruction - Background

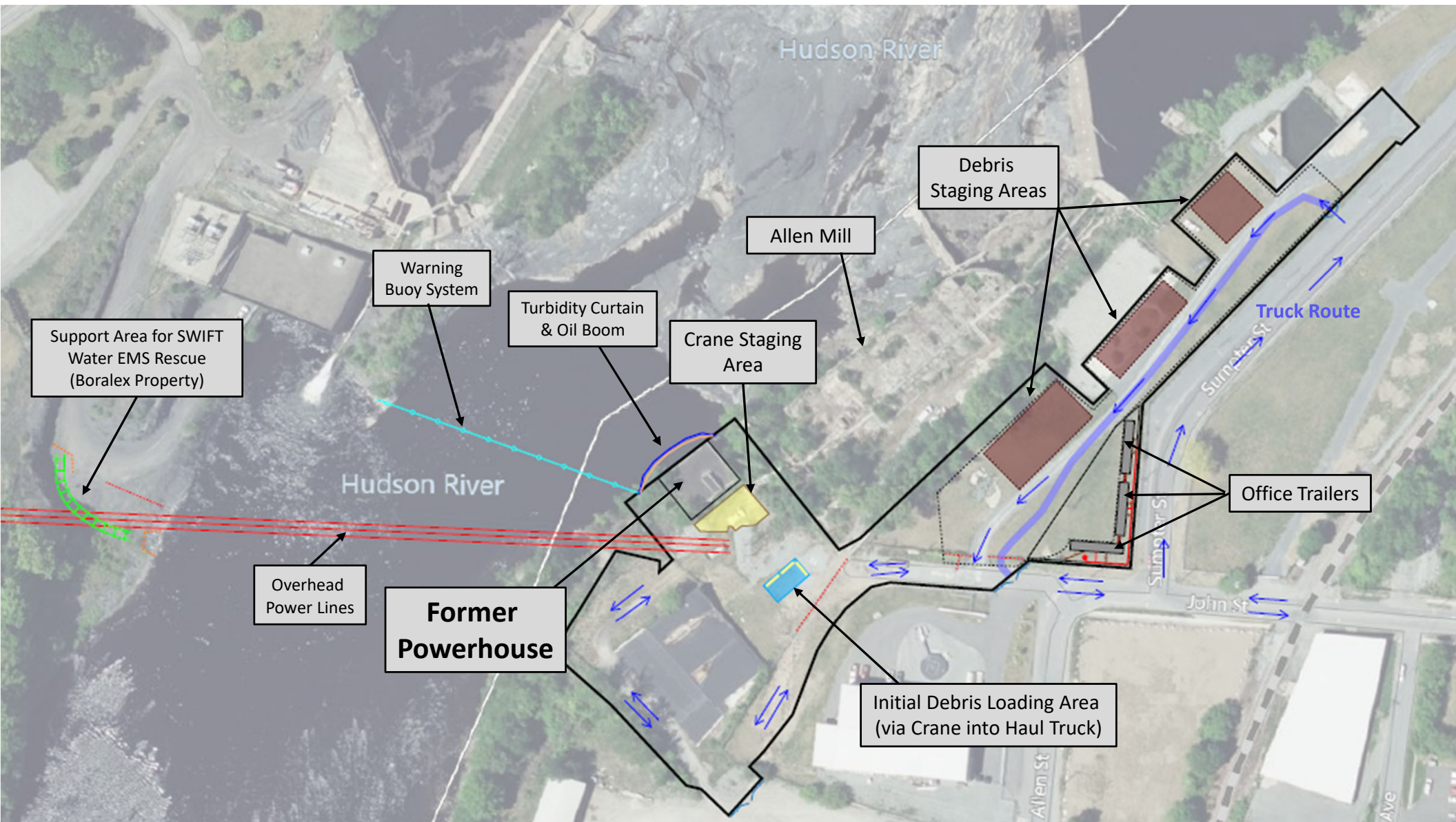


- The Powerhouse was built in 1907 and is located adjacent to the GE Hudson Falls Plant Site
 - GE Hudson Falls contamination has migrated to the Niagara Mohawk Power Corporation (NMPC) property
 - Disturbance during deconstruction and further building deterioration have potential to cause a release to the river
- EPA reached a legal agreement with NMPC and GE in July 2022 to oversee the deconstruction of the Powerhouse and Allen Mill
- EPA is the lead agency and is coordinating closely with other agencies (DEC, DOH and USACE)
- Extensive environmental monitoring and protective measures required during deconstruction work
- Project challenges
 - Deteriorated Powerhouse condition
 - Project schedule (weather and river flow conditions)
 - Limited access and work area (34 kV overhead electric lines)
 - Working from heights and on/near water
 - Environmental conditions (asbestos-containing material in roof flashing, Hudson Falls Plant site contamination)





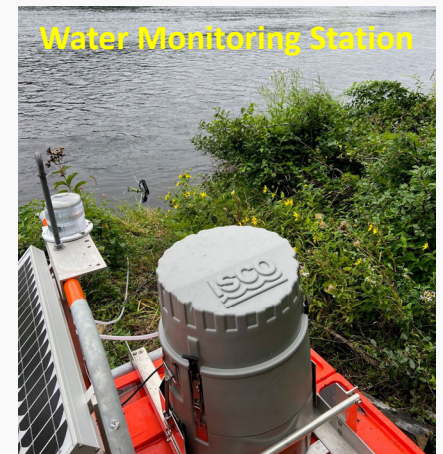




Powerhouse Deconstruction – Environmental Monitoring



- Baseline monitoring completed for air, water and groundwater
- Community Air Monitoring Plan
 - Continuous monitoring for particulates (dust), volatile organic compounds and PCBs
 - Air monitoring stations positioned around the site perimeter, including across the river
- Water Monitoring
 - Continuous PCB samples collected every 12 hours at 004N (north of Fort Edward outfall)
 - PCB sample (grab) collected daily at Roger's Island
 - Visual observation in plunge pool during deconstruction work
 - Continued water quality monitoring at Upper Hudson River stations under OM&M
- Groundwater Monitoring
 - Expanded groundwater and DNAPL monitoring program (26 wells)
 - Expanded DNAPL removal near Powerhouse
 - Continued implementation of Hudson Fall Site remedy, including tunnel drain collection system (TDCS)



Powerhouse Deconstruction – Underwater Survey



In August 2022, an underwater video inspection was performed using a drone to assess conditions in the plunge pool

Powerhouse Deconstruction – Underwater Survey



Sediment was not observed in the plunge pool and only a small amount of debris was identified adjacent to the Powerhouse

Powerhouse Deconstruction – Looking Ahead



- Site preparation underway
 - Trailer setup, access road and decon pad installation
- Project documents in various stages of review/approval
 - Community Air Monitoring Plan, Design Report, Environmental Monitoring Plan, Project Operations Plan and Health & Safety Plans
- Deconstruction expected to begin in late September following document approvals
 - Begins with the removal of the roof structure, followed by careful dismantling of the building walls and removal of the concrete foundation
- Some work expected to continue in spring 2023
- Deconstruction of the Allen Mill following lessons learned from the Powerhouse work and subsequent planning



Powerhouse Deconstruction Site

Index Number: CERCLA-02-2022-2016
Hudson Falls, New York



To Obtain Site Information, Contact:
USEPA On-Scene Coordinator: David Rosoff
908-420-4465

or

USEPA Community Involvement Coordinator,
Hudson River Field Office:
518-407-0400

To Report Criminal or Suspicious Activity, Contact 911

EPA Project Website: <https://response.epa.gov/HudsonFalls>