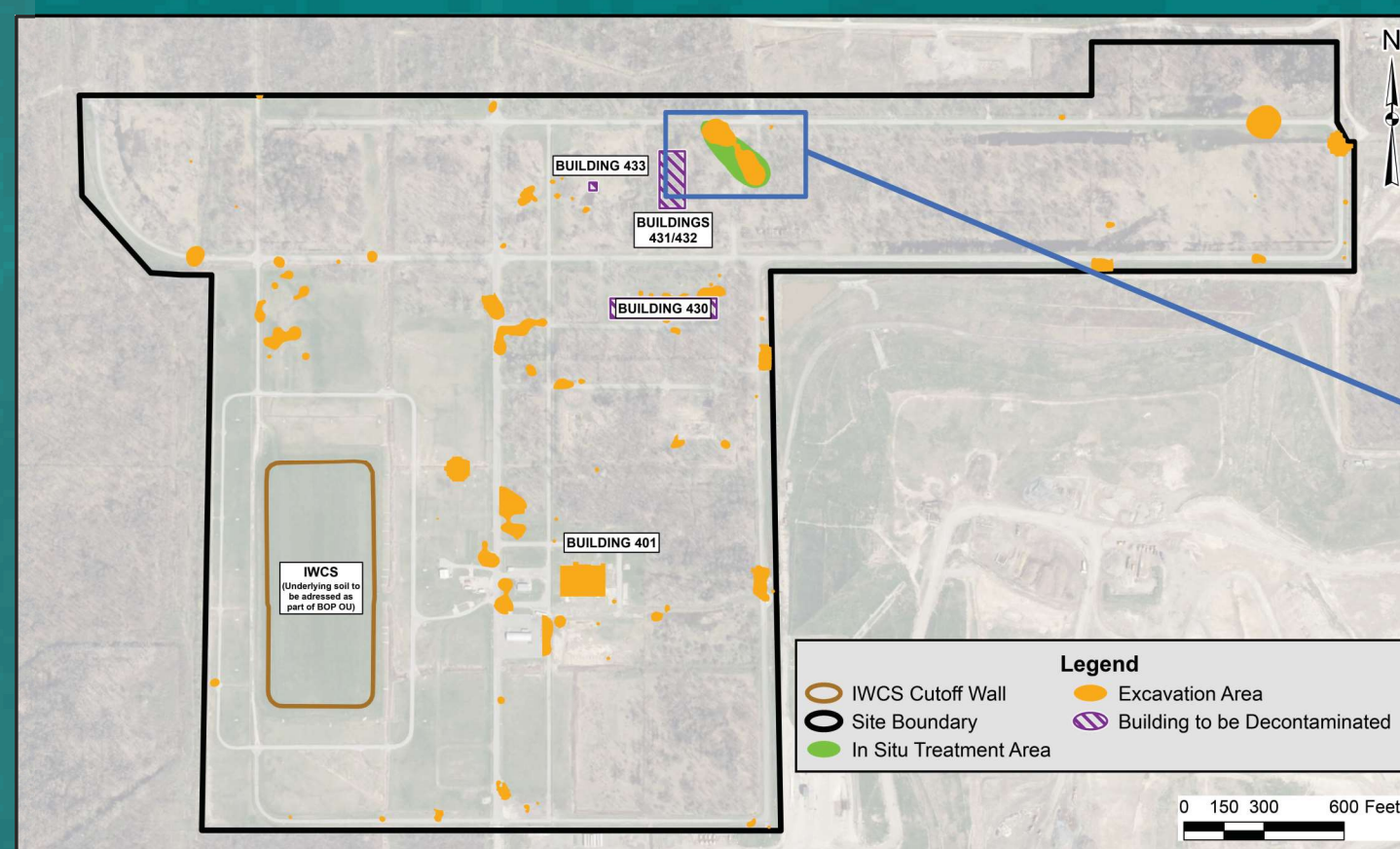




US Army Corps  
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Buffalo District

## Niagara Falls Storage Site Balance of Plant and Groundwater Operable Units

# Alternative 5 – Removal with Building Decontamination & *Ex Situ* Remediation



Alternative 5 involves the removal of materials exceeding feasibility study preliminary remediation goals and disposal/treatment of those materials at a permitted off-site facility. Building foundations would be decontaminated through scarifying.

### Removed

- Soil
- Building 401 Foundation and Drains
- Road Bedding
- Chlorinated Volatile Organic Compound-Impacted Groundwater

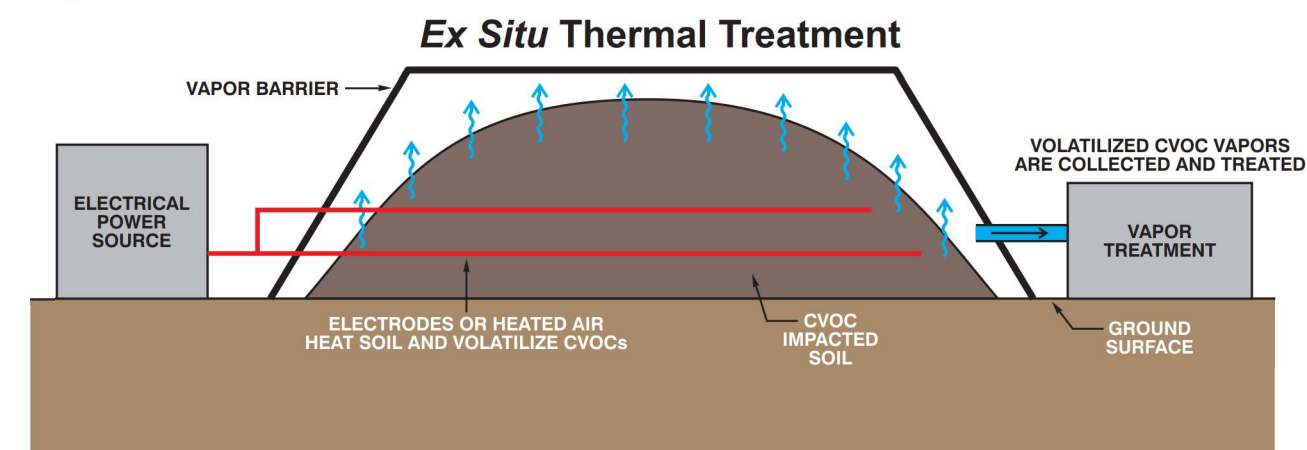
### Building Decontamination

- Building 430
- Building 431/432
- Building 433

### Treatment

- Chlorinated Volatile Organic Compound-Impacted Soil
- Chlorinated Volatile Organic Compound-Impacted Groundwater

Chlorinated volatile organic compound-impacted soil and groundwater would be remediated *ex situ* using thermal treatment.



*Ex situ* thermal treatment involves excavation and transfer of impacted soil to an on-site treatment area where the soil would be heated to volatilize chlorinated volatile organic compounds to levels below the feasibility study preliminary remediation goals. The soil would be placed into a fully enclosed containment cell and heat would be applied. Volatilized compounds would be collected and treated in an off-gas system to destroy contaminants. Treated soil could remain on-site. Groundwater would be recovered during the excavation process and taken off-site for treatment/disposal.