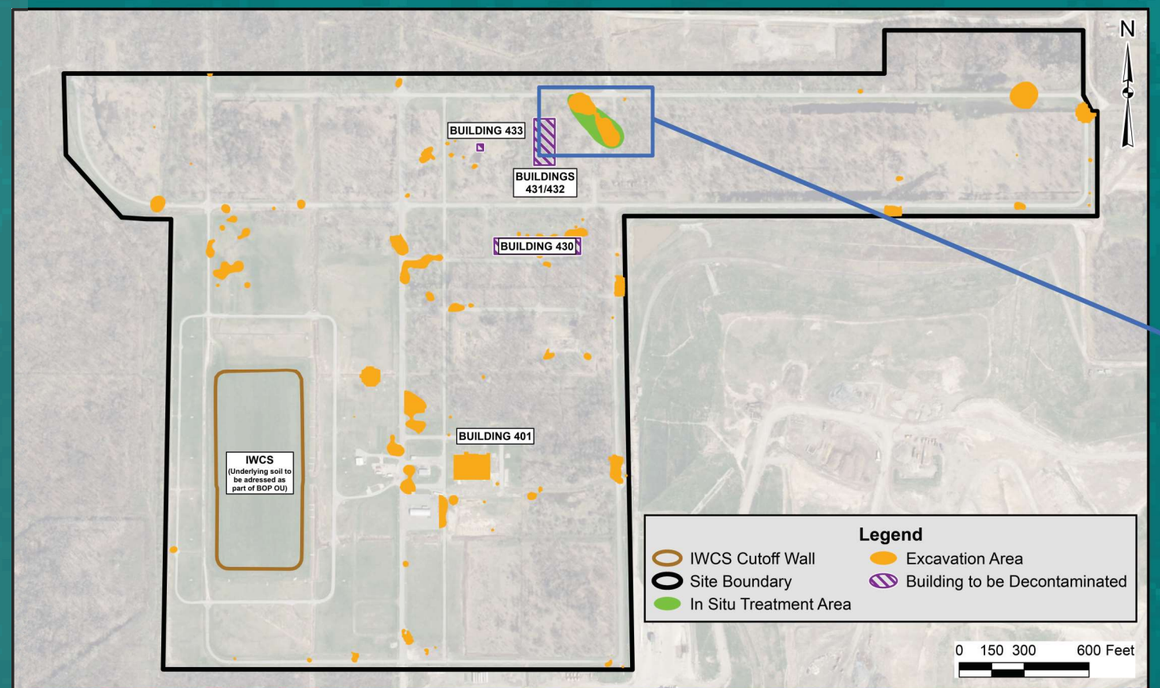
US Army Corps of Engineers®
Buffalo District

Niagara Falls Storage Site Balance of Plant and Groundwater Operable Units

Alternative 4 – Removal with Building Decontamination & *In Situ* Remediation



Alternative 4 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.

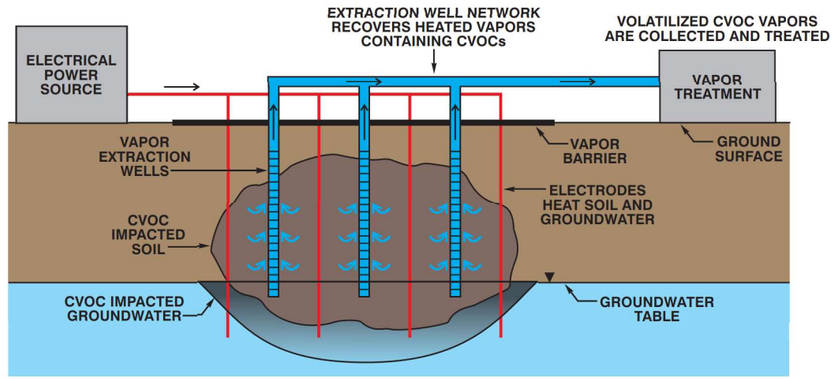
Removed
- Soil
- Building 401 Foundation and Drains
- Road Bedding

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 *in situ* using thermal treatment.

In Situ Thermal Desorption



In situ thermal treatment is a process of heating impacted soil to temperatures that would remove chlorinated volatile organic compounds to levels below the feasibility study preliminary remediation goals. The heat would be applied to the subsurface using electrodes. Treated soil and groundwater would remain in place and not require off-site disposal. Off-gases would be collected and treated to destroy contaminants.

BUILDING STRONG®