

NIAGARA FALLS STORAGE SITE

Phase 1 Pre-mobilization
Public Information Session
23 April 2024



US Army Corps
of Engineers®

Niagara Falls Storage Site
(191 acres)

Interim
Waste
Containment
Structure



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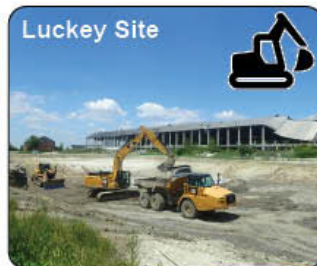
LRD Formerly Utilized Sites Remedial Action Program Overview

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Legend

- Investigation - 2 sites
- Remedial Design - 1 Site
- Under Remediation - 5 sites
- Preparing for Closeout - 1 site
- Completed - 5 sites
- Congressional Districts



Lucky Site

Congress: REP Latta (OH-05)
Current Phase: Remedial Action
Cleanup Start: 2015
Cleanup Complete: 2026



Niagara Falls Storage Site

Congress: REP TBD (NY-26)
Current Phase: Remedial Action
Cleanup Start: 2023
Cleanup Complete: 2034

Niagara Falls Storage Site
Seaway Industrial Park
Ashland 1
Ashland 2
Linde
Bliss and Laughlin

Lake Ontario

Gutierrez Specialty Steel
25
Tonawanda Landfill
26
NY

23

Lake Erie

Painesville

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Superior Steel



Harshaw Chemical Company

Congress: REP Brown (OH-11)
Current Phase: Remedial Action
Cleanup Start: 2024
Cleanup Complete: 2027



Shallow Land Disposal Area (SLDA)

Congress: REP Thompson (PA-15)
Current Phase: Remedial Action
Cleanup Start: 2007
Cleanup Complete: 2032



Seaway Industrial Park

Congress: TBD (NY-26)
Current Phase: Remedial Action
Cleanup Start: 2024
Cleanup Complete: 2026

For more information visit:

<https://www.lrd.usace.army.mil/Mission/Programs/Article/3649839/formerly-utilized-sites-remedial-action-program/>

BUILDING STRONG®



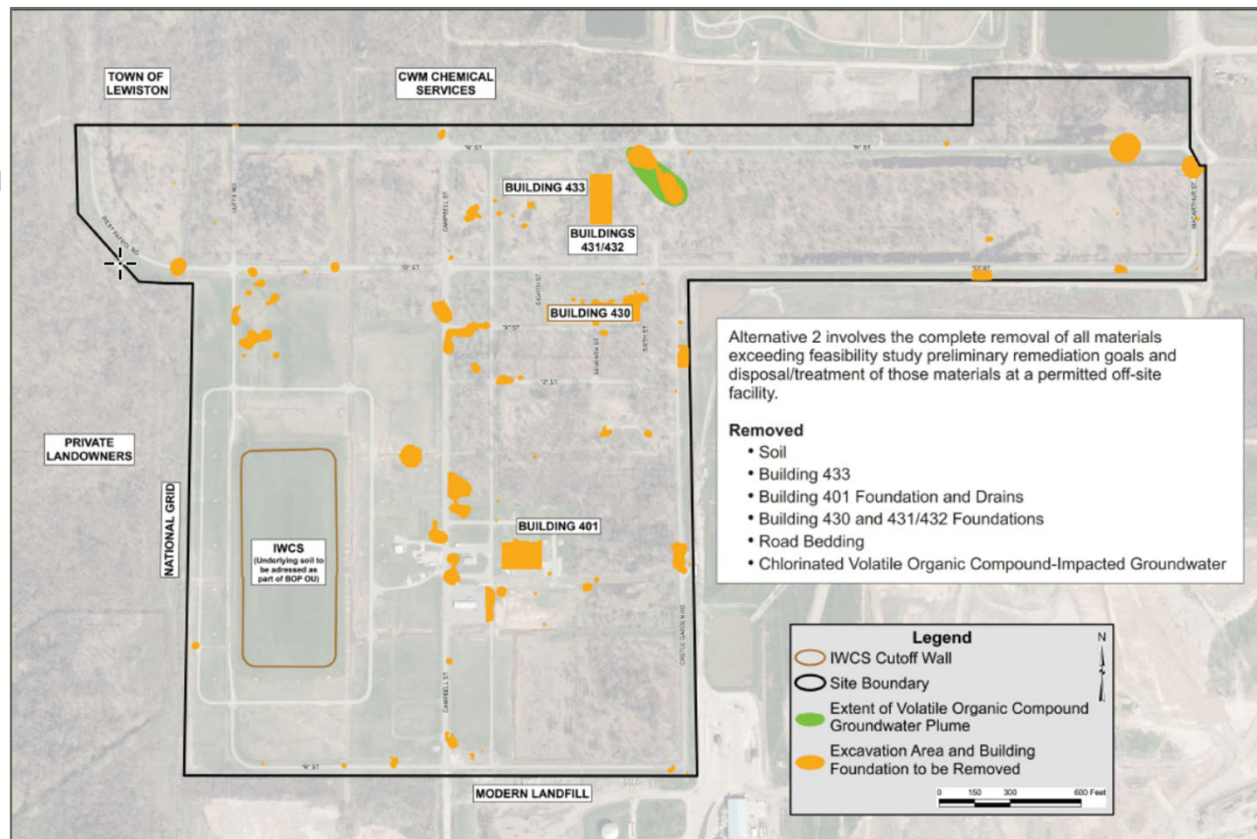
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AGENDA FOR THE NIAGARA FALLS STORAGE SITE (NFSS) PHASE 1 PUBLIC INFORMATION SESSION



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- Update on NFSS Phases 2-3
- Phase 1 Balance of Plant and Groundwater Remediation
 - Remediation Schedule
 - Remediation Activities
 - Air Monitoring
 - Transportation



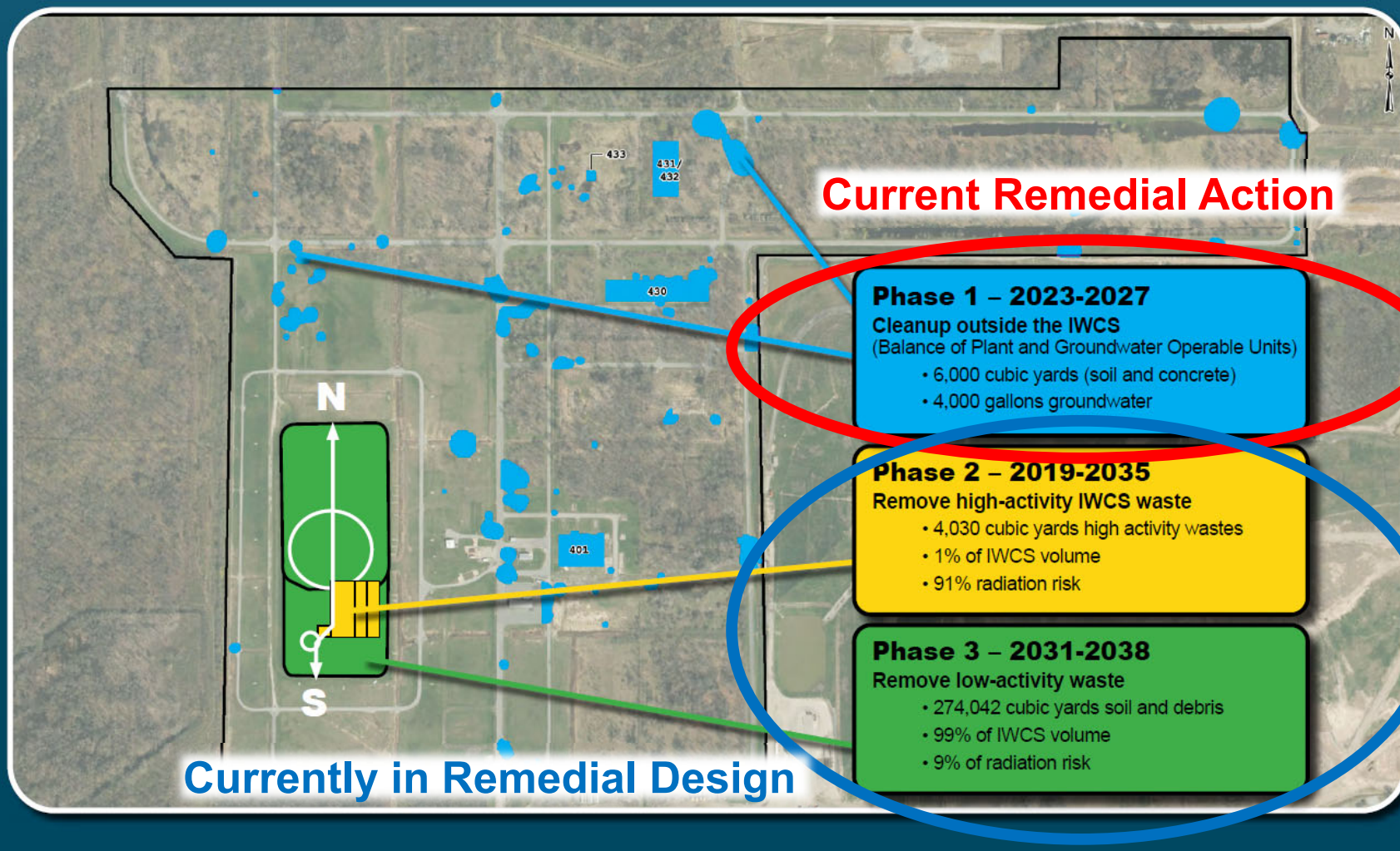


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REMEDIATION PHASES





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NIAGARA FALLS STORAGE SITE PHASES 2-3 UPDATE

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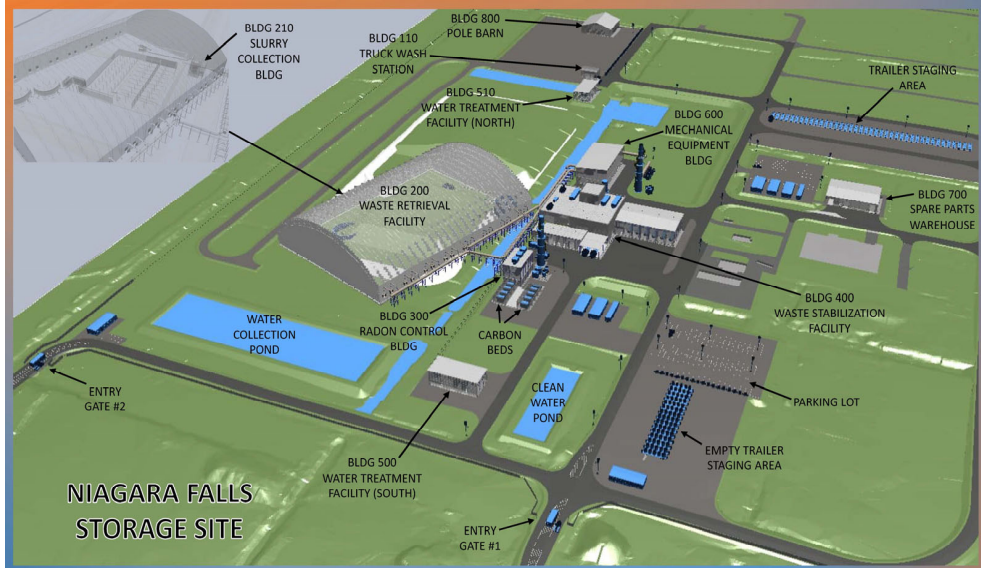
Phases 2&3 relate to the Interim Waste Containment Structure (IWCS) remediation

30% Design Complete

60% Design Ongoing

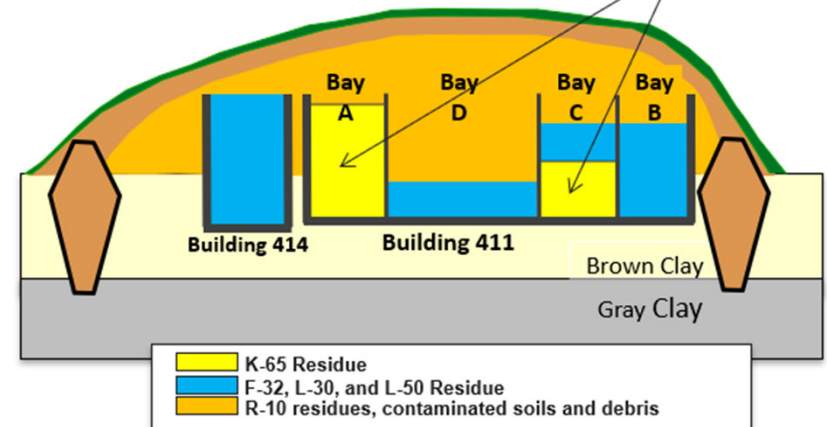
90-100% Design will be awarded in 2025

100% Design Complete by 2027



K65 Residues

- 1% of volume
- 91% of radioactivity





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NFSS ENVIRONMENTAL SURVEILLANCE PROGRAM

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USACE **will continue** to ensure the public and workers are safe during all phases of the NFSS remediation.

We do this by **sampling & analyzing air, groundwater, surface water, and sediment** to understand the presence and/or movement of contamination

We publish our results annually in a document called the Environmental Surveillance Program Technical Memorandum

Controls are fully protective of human health and the environment. Results comply with environmental regulatory standards. IWCS is performing as designed.



Key Take-Away:
The site remains safe to the public

- Air
- Groundwater
- Surface water
- Sediments

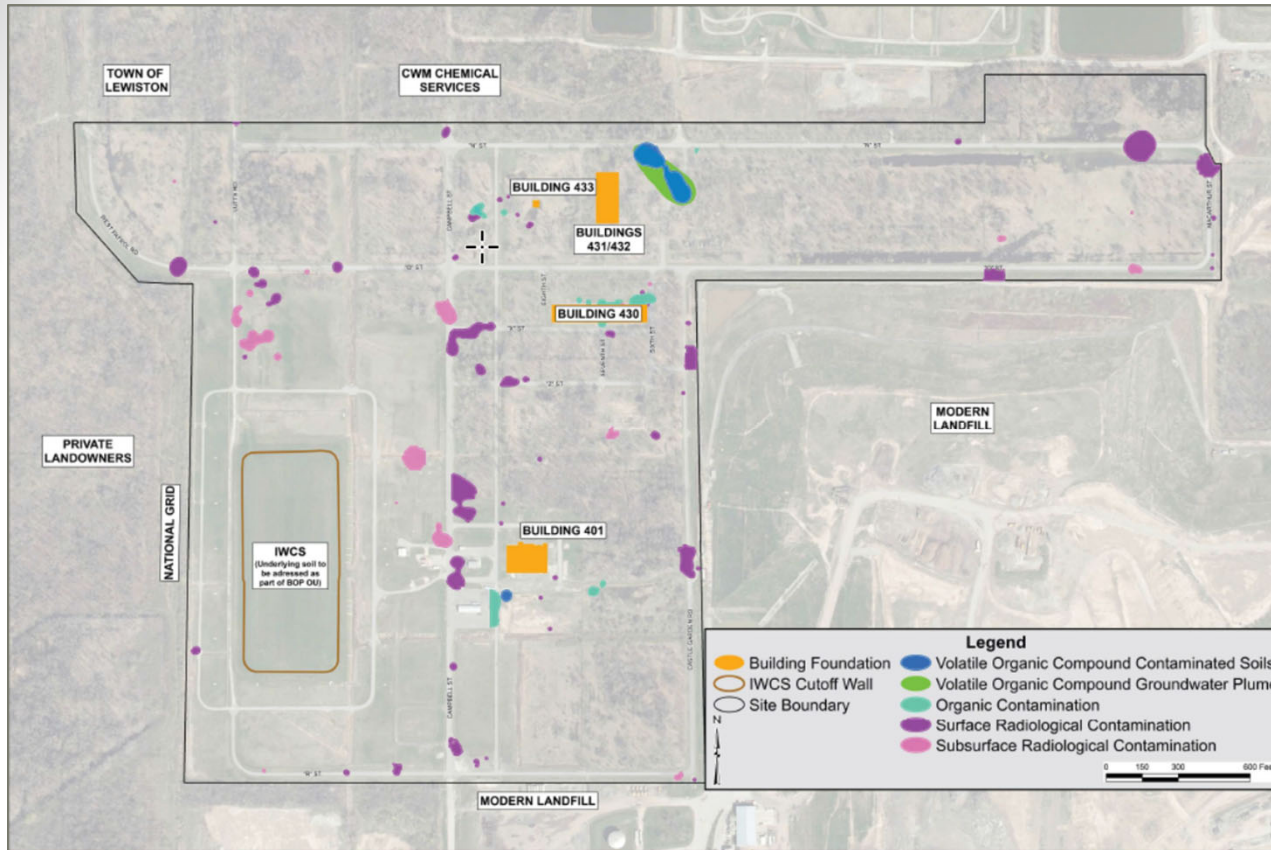




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PHASE 1 FIELDWORK ACTIVITIES SCHEDULE

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Activity	Timeframe
Pre-remediation Air Monitoring	May 2024
Mobilization	May 2024
Building Foundation Investigations	June - July 2024
Active Remediation	July - January 2025
Site Restoration Complete	January 2025
Closeout Report	February 2025



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PHASE I SITE ACTIVITIES

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Field Activities for Investigations

- Building Foundations Investigations
- Pre-characterization Sampling





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PHASE I SITE ACTIVITIES

Field Activities for Active Remediation

- Demolition
- Excavation
- Waste Transportation and Disposal
- Waste Water Management

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PHASE I SITE ACTIVITIES

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Field Activities for Site Restoration:

- Confirmatory Sampling
- Backfilling
- Site Restoration





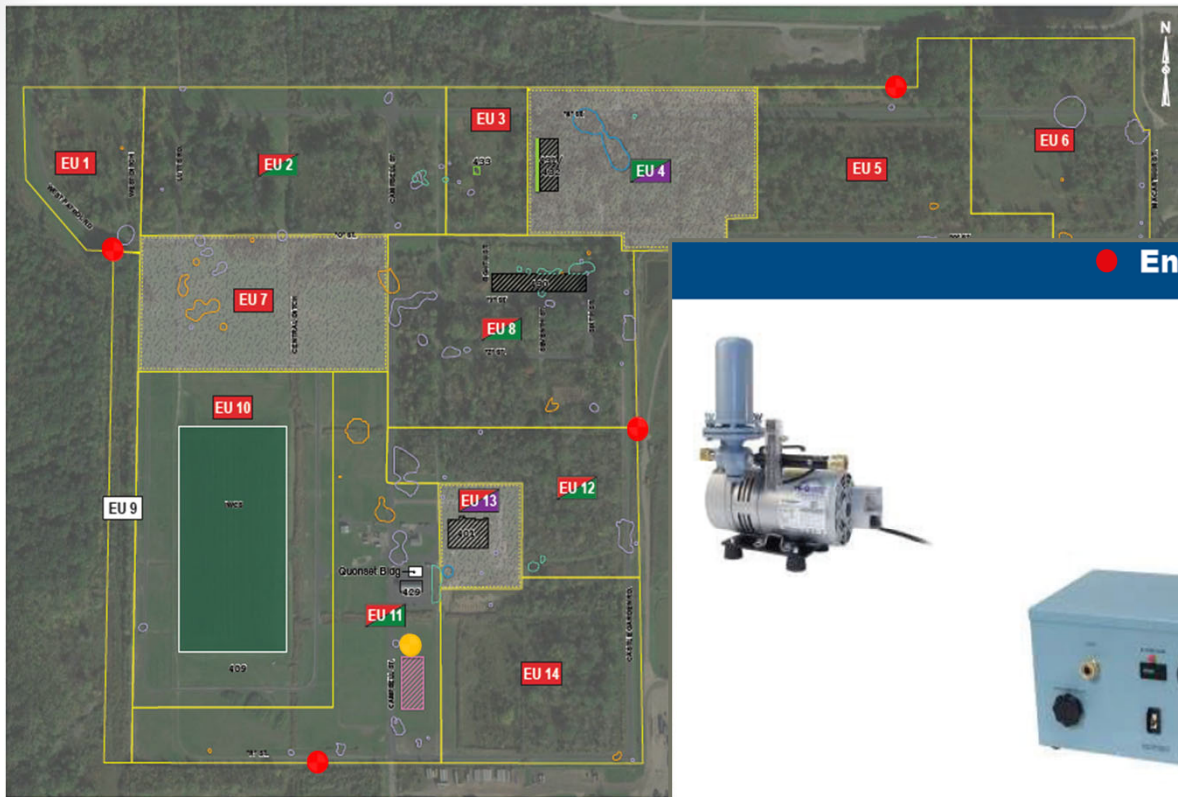
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PHASE I AIR MONITORING

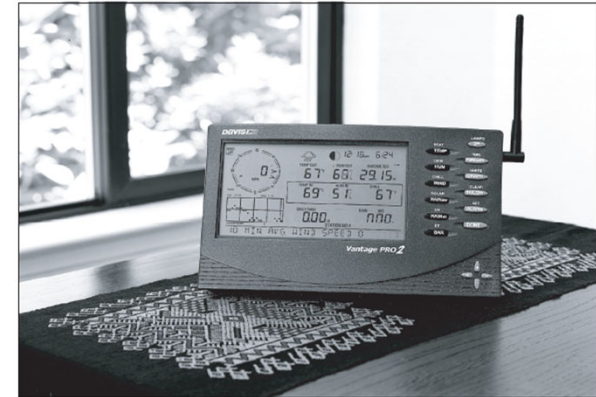
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For the safety of the workers onsite and people in the surrounding areas, air monitoring will be conducted 30 days before mobilization and throughout the cleanup process.



Meteorological Station



Environmental Air Samplers





PHASE 1 AIR MONITORING



Work Zone Monitoring	
What is it monitoring?	<ul style="list-style-type: none">• Radionuclides (radium-226, thorium-230, uranium)• Total Suspended Particulates (TSP)• Vapors/gases (VOCs, multi-gas, etc.)
When is it operating?	<ul style="list-style-type: none">• Continuously during working hours
When is it analyzed?	<ul style="list-style-type: none">• Daily (radionuclides)• Real-time (TSP, gases)

Site Perimeter Monitoring	
What is it monitoring?	<ul style="list-style-type: none">• Radionuclides (radium-226, thorium-230, uranium)
When is it operating?	<ul style="list-style-type: none">• Runs continuously; 24/7
When is it analyzed?	<ul style="list-style-type: none">• Collected and analyzed weekly

USACE will respond to changing conditions and determine the best path forward to keep workers and the public safe



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TRANSPORTATION

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The Transportation Plan

- Trucks on the road from July-January
- An estimated 25 trucks will be coming out of the site each week
- Every truck will be decontaminated before it leaves the site
- Waste being shipped will be secured in lined truck





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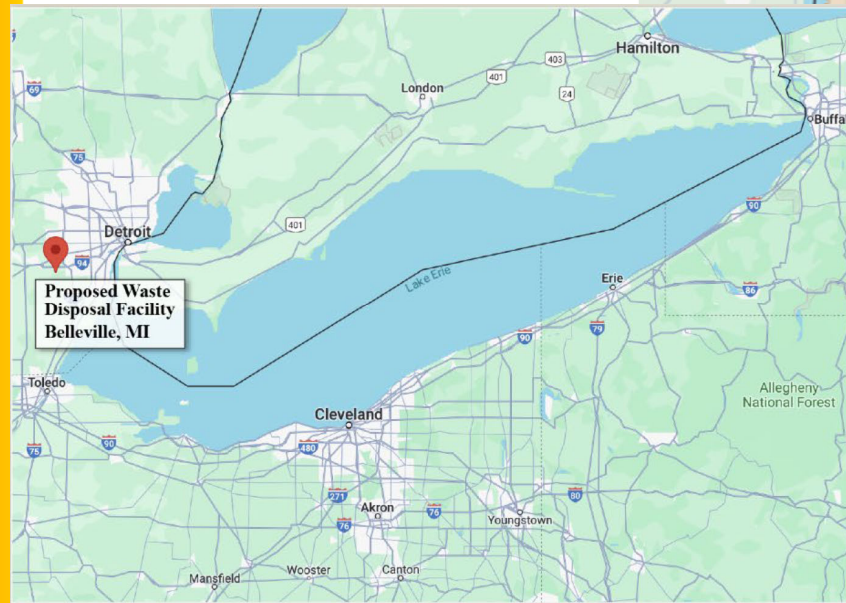
PHASE I TRANSPORTATION ROUTE

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Key Take-Aways: We are sensitive to the concerns of our neighbors

- Waste transportation routes accounts for areas that the public requested to be avoided
- The route complies with all applicable federal, state, and local regulations while transporting waste, including road weight restrictions





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NFSS OUTREACH CAMPAIGN 2024

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➤ NFSS Phase 1 – Pre-Remediation Public Information Session



April 2024



April 2024

➤ Lake Ontario Ordnance Works Proposed Plan Public Hearing



July 2024



August 2024

➤ NFSS Vicinity Property X Preliminary Assessment/Site Inspection Report



October 2024

➤ NFSS Vicinity Property H-Prime Proposed Plan Public Hearing



October 2024



November 2024

➤ NFSS Phase 2 – Remediation Design



March 2025



April 2025



“News from the Corps” Email, News Release
and/or Social Media



Document Release



Public Meeting / Information Session



CUI

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QUESTIONS

News from the Corps Emails & Social Media “Push”

We are committed to sustain early and frequent updates on progress

1-800-833-6390 (Option 4)
fusrap@usace.army.mil

Follow us on Social Media:
<https://www.facebook.com/BufaloDistrict>
twitter.com/USACE_Buffalo

www.linkedin.com/company/u-s-army-corps-of-engineers-buffalo-district



Administrative Record is available on the project website

<https://www.lrd.usace.army.mil/Mission/Projects/Article/3612360/niagara-falls-storage-site/>