



US Army Corps  
of Engineers®

# Niagara Falls Storage Site CERCLA\* Process and Feasibility Study Approach by Operable Unit

## IWCS OPERABLE UNIT

### SCOPE

Residues and waste materials placed inside the Interim Waste Containment Structure (IWCS) by the Department of Energy during previous remedial efforts.

#### Develop Technical Memoranda

- Radon Assessment
- IWCS Radiological Exposure Assessment
- Waste Disposal Options and Fernald Lessons
- Remedial Action Objectives and Applicable or Relevant and Appropriate Requirements for both the IWCS and Balance of Plant Operable Units
- Alternative Development and Screening of Technologies

Develop remedial alternatives and complete the IWCS Feasibility Study Report

Prepare the Proposed Plan and identify the preferred alternative

Conduct the IWCS Proposed Plan Public Meeting

Prepare and issue the IWCS Record of Decision and Responsiveness Summary

## BALANCE OF PLANT OPERABLE UNIT

### SCOPE

All site soils, surface/subsurface features outside the IWCS and remaining IWCS soils and structures should all residues and waste be removed.

#### Develop Technical Memoranda

- Land Use Assessment and Groundwater Evaluation
- Establishment of Radiological and Chemical Cleanup Criteria and Evaluation of Residual Results
- Alternative Development and Screening of Technologies
- Volume Modeling and Results

Develop remedial alternatives and complete the Balance of Plant Feasibility Study Report

Prepare the Proposed Plan and identify the preferred alternative

Conduct the Balance of Plant Proposed Plan Public Meeting

Prepare and issue Balance of Plant Record of Decision and Responsiveness Summary

## GROUNDWATER OPERABLE UNIT

### SCOPE

Any remaining groundwater contamination associated with the Upper Water-Bearing Zone after remedy selection for the IWCS and Balance of Plant Operable Units.

#### Develop Technical Memoranda

- Remedial Action Objectives and Applicable or Relevant and Appropriate Requirements
- Establishment of Radiological and Chemical Cleanup Criteria and Evaluation of Residual Results
- Alternative Development and Screening of Technologies
- Groundwater Flow and Transport Model Update (Optional)

Develop remedial alternatives and complete the Groundwater Feasibility Study Report

Prepare the Proposed Plan and identify the preferred alternative

Conduct the Groundwater Proposed Plan Public Meeting

Prepare and issue Groundwater Record of Decision and Responsiveness Summary

\* Comprehensive Environmental Response, Compensation, and Liability Act