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

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* Comprehensive Environmental Response, Compensation, and Liability Act