

# Proposed Phase 1 Studies Process

## Citizen Task Force Meeting

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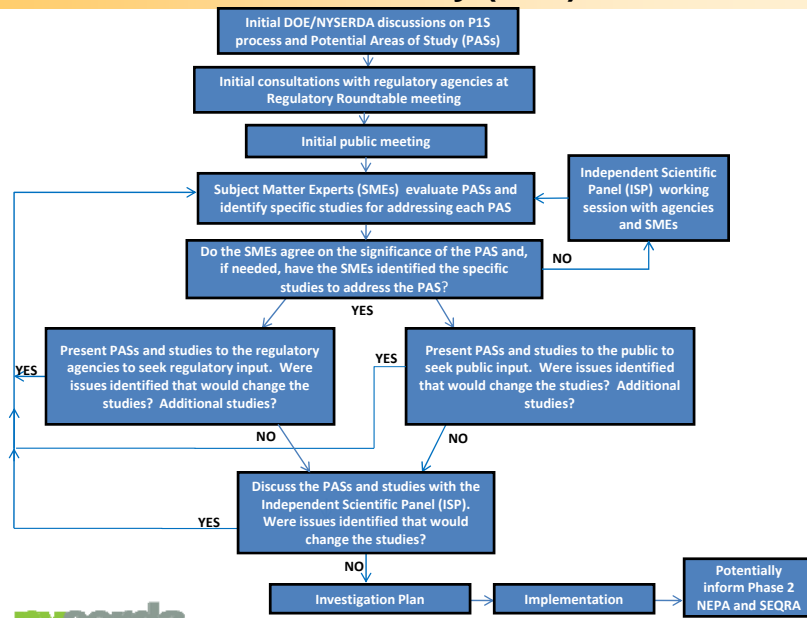
## Phase 1 Studies

- **NYSERDA and DOE have drafted a proposed process for identifying and conducting the Phase 1 Studies. The proposed process includes:**
  - Subject Matter Experts to evaluate potential areas of study and help identify the specific studies to be conducted.
  - Regular meetings and opportunities for review and input from NYSDEC, NRC, EPA, and NYSDOH regarding the potential areas of study, specific studies, progress and results.
  - A three-member Independent Scientific Panel to provide guidance to the agencies and Subject Matter Experts on the potential areas of study, specific studies, progress and results.
  - Regular opportunities to obtain input from the public (including the general public, the CTF, environmental groups, etc.).
  - An independent facilitator to assist in the process for accomplishing the objectives.
  - To potentially inform Phase 2 decisionmaking, studies will be completed within 10 years.



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## Overview of Phase 1 Study (P1S) Process



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## Phase 1 Studies

- **Potential Areas of Study:**

- ✓ Soil erosion
- ✓ Groundwater flow and contaminant transport
- ✓ Catastrophic release of contamination and impact on Lake Erie
- ✓ Slope stability and slope failure
- ✓ Seismic hazard
- ✓ Probabilistic vs. deterministic dose and risk analysis
- ✓ Alternate approaches to and cost of complete waste and tank exhumation
- ✓ Viability, cost, and benefit of partial exhumation of waste, and removal of contamination
- ✓ Exhumation uncertainties and benefit of pilot exhumation activities
- ✓ In-place closure containment technologies
- ✓ Engineered barrier performance
- ✓ Additional characterization needs
- ✓ Cost discounting and cost benefit analyses over long time periods

- **A protocol for identifying potential Phase 1 Studies is being developed.**



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