Topics to be Addressed in the RI Addendum

Groundwater Contamination
(see Figure 1)
- Off-site extent of groundwater contamination in exposure units (EUs) 1, 4, 9 and 11
  - Use boring logs and temporary well points to optimize selection of permanent well locations
  - Include sample results from the Environmental Surveillance Program
- Revised RI plume maps

Building 409 Groundwater
(see Figure 2)
- Building 409 history
- Uranium plume in Building 409 vicinity
  - Correct uranium value at temporary well point 833 (TWP833)
  - Remove data collected from manhole 06 (MH06)
  - Evaluate data from observation well 18B (OW18B)
  - Include recent data from Environmental Monitoring Program

NFSS Background Values
- Comparison of NFSS background values with New York State 6 NYCRR 375 Brownfield Program
- Background levels for upper and lower water-bearing zones
- Report: "Utilizing Isotopic Uranium Ratios in Groundwater Evaluations"

Interim Waste Containment Structure (IWCS)
- Details on IWCS construction
- LOOW Completion Report
- Detailed IWCS inventory

Pipelines
- Lake Ontario Ordnance Works (LOOW) Completion Report sections on underground lines
- Pipeline schedule for IWCS cutoff wall construction
- Radiological samples from LOOW Underground Utilities RI

Radiological Sampling Results
- Plutonium results and analytical uncertainty for 17 surface soil samples collected during the RI
- Plutonium results for 57 investigative derived waste drum samples
- Cesium, plutonium, strontium, tritium and technetium groundwater data from the fall 2008 Environmental Surveillance Program sampling
- LOOW radiological split sample results

Surface Water and Sediments
- Potential surface water and groundwater connection in the ditches
- Environmental Surveillance Program data for the West Drainage Ditch and Central Drainage Ditch

RI Supplemental Information
- Details on Environmental Surveillance Program monitoring of the site
- Railroad ballast and building and road core samples screening against surface soil criteria

Historical Operational Areas
(see Figure 3)
- Overlay of historic aerial photos by Topographic Engineering Center on RI sampling locations to identify operational areas
- Comparison of historic operational photos with groundwater plumes
- Knolls Atomic Power Laboratory historic records and waste manifests

Subsurface Geology
(see Figure 4)
- Phase 3 soil boring information included in the assessment of sand lenses
- Additional cross-sections showing extent of subsurface sand lenses
- Revised down-hole gamma logging results

TOPICS TO BE ADDRESSED IN THE RI ADDENDUM

Figure 1. Areas where further investigations will be performed to define the extent of groundwater contamination

Figure 2. Possible shape of modified plume (shaded) near Building 409 in EUs 10 and 11

Figure 3. Historic aerial photo compared to current groundwater plume locations

Figure 4. Locations of new cross-sections including information from Phase 3 soil borings