CERCLA Site-Wide Five Year Review

Presentation to Community Advisory Council
September 9, 2010
CERCLA Site-Wide Five-Year Review

- Five-year reviews are required by EPA and NYSDEC under the CERCLA process when contaminants remain
  - Prepare no less often than every five years
- Conclusions included
  - Soil cleanup objectives met
  - Groundwater systems functioning as intended to meet cleanup goals
  - Exposure pathways are being controlled
  - Continue health and safety focus of workers during BGRR pile/bioshield removal
  - Complete remaining work at BGRR and select g-2/BLIP/UST remedy
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- Second Site-wide Review is being prepared
  - Includes all 9 remedies
    - Groundwater (3)
    - Soil and Peconic River (3)
    - BGRR and HFBR (2)
    - g-2 Tritium Plume, BLIP, and USTs (1)
- Evaluate implementation and performance of remedies
- Determine whether remedies continue to be protective of human health and environment
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- Protectiveness Assessment includes three questions
  - Is the remedy functioning as intended by the decision documents?
    - Is it working?
    - Opportunities for optimization, new technologies?
  - Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used at the time of the remedy selection still valid?
    - Have standards changed?
  - Has any other information come to light that could call into question the protectiveness of the remedy?
    - Has there been a land use change?
    - New ecological risk?
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- **Next steps**
  - Poll CAC
  - Perform interviews
  - Site inspections
  - Technical assessment for each OU and ROD
  - Recommendations for changes
  - Regulator review
  - CAC update
  - Public Availability

- **Schedule**
  - Prepare report, DOE review: Fall 2010
  - CAC update and draft report to regulators: Winter 2010/2011
  - Public Availability: Summer 2011