

CERCLA Site-Wide Five Year Review

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Community Advisory Council
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CERCLA Five-Year Review

- Five-year reviews are required by EPA and NYSDEC under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process as long as contaminants remain on the site
- Intent is to evaluate the implementation and performance of cleanup remedies and whether they continue to remain protective of human health and environment
- First two site-wide reviews issued July 2006 and March 2011
<https://www.bnl.gov/gpg/5year-review.php>
 - Addendum issued November 2011 to address regulator comments (no changes to the March 2011 document)
 - Conclusions/Recommendations from 2011 included
 - Soil cleanup objectives met, and groundwater systems functioning as intended to meet cleanup goals
 - Exposure pathways are being controlled
 - Continue health & safety focus of workers during BGRR bioshield removal
 - Complete remaining work at BGRR (engineered cap), HFBR (ongoing), former Hazardous Waste Management Facility (HWMF) perimeter soil

CERCLA Five-Year Review

Short Video: Getting to Know the Five Year Review, A Guide for Communities Near Federal Facilities

<https://www.youtube.com/watch?v=VguoeVT4Fjl>

2016 CERCLA Five-Year Review

- The third Site-wide Review will evaluate all cleanup remedies for groundwater, soil, Peconic River sediment, BGRR, HFBR, and g-2 tritium plume, BLIP, and USTs
- 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?
- We rely on annual Groundwater Status and Site Environmental Reports, and institutional control evaluations as a basis for the Review

2016 CERCLA Five-Year Review

- Areas of particular focus
 - Former Hazardous Waste Management Facility elevated Sr-90 in groundwater
 - Potential Sr-90 continuing sources at BGRR, former Waste Concentration Facility, former Chemical Holes (impacting system shut down)
 - Peconic River elevated mercury in sediment at on-site Area WC-06
- Next steps
 - Input from CAC (tonight)
 - Perform interviews and site inspections (underway)
 - Technical assessment for each remedy, and recommendations
 - Regulator review
 - CAC/BER update
 - Public availability

2016 CERCLA Five-Year Review

- Schedule
 - Data review and prepare report – Fall/Winter 2015
 - DOE review - Early 2016
 - Draft report to regulators and CAC update - Late Spring 2016
 - Public Availability - Fall 2016

2016 CERCLA Five-Year Review

- Questions for CAC input:
 - What is your overall impression of BNL's cleanup and do you feel well informed about the cleanup activities and progress?
 - Are there any specific aspects of the cleanup that you feel should be of particular focus during the review? (e.g. Records of Decision, cleanup goals, community input, etc.)
 - Do you feel confident in BNL and DOE's management of the long-term cleanup operations for the site?
 - Do you have any comments, suggestions, or recommendations regarding BNL/DOE's management and communications of the cleanup?