Brookhaven National Laboratory
Community Advisory Council

April 15, 2009

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Office of Environmental Management
Brookhaven Site Office
Discussion Topics

- ARRA Description
- Brookhaven Environmental Management (EM) Funding and Goals
- Brookhaven EM ARRA Projects
- Description of ARRA Projects
American Recovery and Reinvestment Act

American Recovery and Reinvestment Act was signed into law on Feb. 17, 2009.

The American Recovery and Reinvestment Act is expected to:

- Jump-start our economy
- Create or save millions of jobs
- Address long-neglected challenges
- Provide for transparency and accountability (www.recovery.gov)

The DOE Office of Environmental Management will receive $6 billion for cleanup complex-wide.
Brookhaven EM Completion Project

Brookhaven EM Funding and Goals

- All work is to be completed by 2011.
- Brookhaven EM will receive $42 million dollars of ARRA funding to accelerate cleanup activities.
- Brookhaven ARRA funds will be used for:
  - Job creation and retention
  - “Footprint” reduction of facilities designated for cleanup
### Facilities/Areas

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Scope of Work:
Remove and remediate contaminated soils

- Spot cleanup of soil contamination found outside the fence area
- Cs-137 is the primary contaminant of concern
- Limited to the top 6 inches to 1 foot
- No groundwater impacts
Bldg 811/801 Transfer Waste Lines (A/B)

Scope of Work: Remove the underground lines and remediate the soils

- A&B Underground Radioactive Liquid Waste Line Removal (from Bldg 811 to Bldg 801)
- The pipe enclosure is 800 feet long and buried at an average depth of 4 feet
Scope of Work: Remove all graphite pile blocks

- The 25-foot graphite cube was built in two sections, separated by a vertical gap.
- More than 68,000 individually machined graphite pieces were used to construct pile.
Scope of Work: Stabilize the HFBR (Bldg 750) for long-term S&M

System Isolations include:

- De-energize, drain, lockout/tagout systems
- Cleanout, disposal and isolation of abandoned equipment and fixtures
- Removal of residual D$_2$O from piping systems and disposal
- Removal of fission chambers, filters and resin beds and disposal
HFBR Bldg 704 and 802 Fanhouses

Scope of Work: Remove all structures above and below ground and remediate soils

Bldg 704 Fanhouse          Bldg 802 Fanhouse
Scope of Work:

Stack demolition

- Electrical isolations
- Waste disposal
Any questions?