

BGRR Project Update



March 2012

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Biological Shield Demolition – 12/7



Biological Shield w/o CCE – 3/6



BGRR Activities

- Aerial work suspended after accident but resumed 1/19
- Contaminated South Wall Fuel Port region removed
- CCE removed
- Lower East Balcony removed
- Underway now to satisfy ROD requirements:
 - Removal of remaining exterior steel
 - Supporting of the upper east balcony
 - Cleanout / final survey of the deep pit
 - Pour final floor
- Demob/Cleanup
 - Remove structural steel and gantry crane
 - Remove other temporary structures
 - Survey the building

Water Discovered in the Deep Pit

- Below the BGRR in the vicinity of the Below Ground Ducts is a deep pit with an opening to the bioshield floor
- In 2005 the deep pit was cleaned and sealed with fixative
- Regular inspection of the area leading to the deep pit was performed
- As bioshield work progressed, it was recognized that debris had fallen into the deep pit
- Therefore the schedule contained an activity to clean it out
- Approximately 4000 gal of water was found in the pit in addition to the expected debris upon entry last Friday
- Initial field measurements indicate Tritium and Cs-137
 - Tritium 400,000 pCi/L and Cs-137 1,300,000 pCi/L
 - Isotopes consistent with bioshield waste

Water Discovered in the Deep Pit (cont'd)

- Water came from misting dust suppression on bioshield work
 - Misting took place from October through December 2011
 - pH of 8 is indicative of concrete debris misting
 - Debris from bioshield activities are present in the pit
- Water pumped out this week – to be solidified and sent to NTS
- Remains of debris to be removed next week
- Pit to be cleaned and sealed with fixative
- Leak detection to be installed (similar to underground ducts)
- Inspection will be weekly for remainder of project, however no water sources remain
- Cap to be maintained and inspected for the life of the building
- Long Term Stewardship will perform routine inspections