BGRR Graphite Removal



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a passion for discovery

Community Advisory Council
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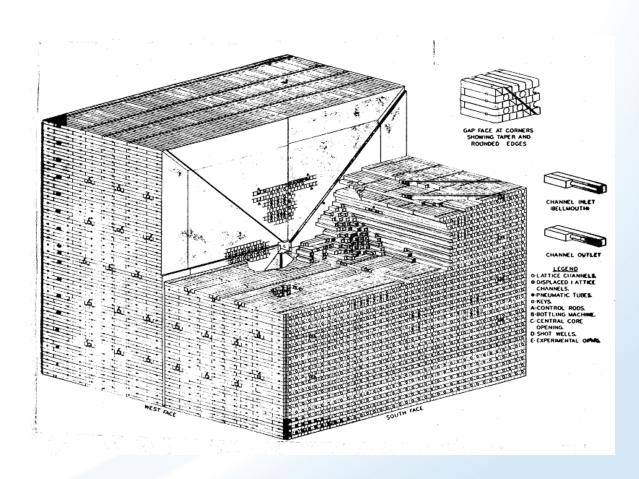


Graphite Pile Removal – Status Update

- Installation of equipment Completed
- Management Self Assessment Completed
- BSA Readiness Assessment Completed
- DOE Readiness Assessment Completed
- Authorization for graphite removal Issued
- Graphite removal and shipment Commenced (February-May 2010)

BGRR Graphite Pile Details

- 25' Cube
- •1.4 million lb
- 60,000 graphite blocks 4"
 x 4" square by up to 45" long
- Total Activity 787 Ci
 - Predominantly Carbon-14
- •Radiation level of an "average" graphite block
 - ~9 mR/hr contact
 - ~2 mR/hr @ 1 foot
 - ~0.4 mR/hr @ 3 feet

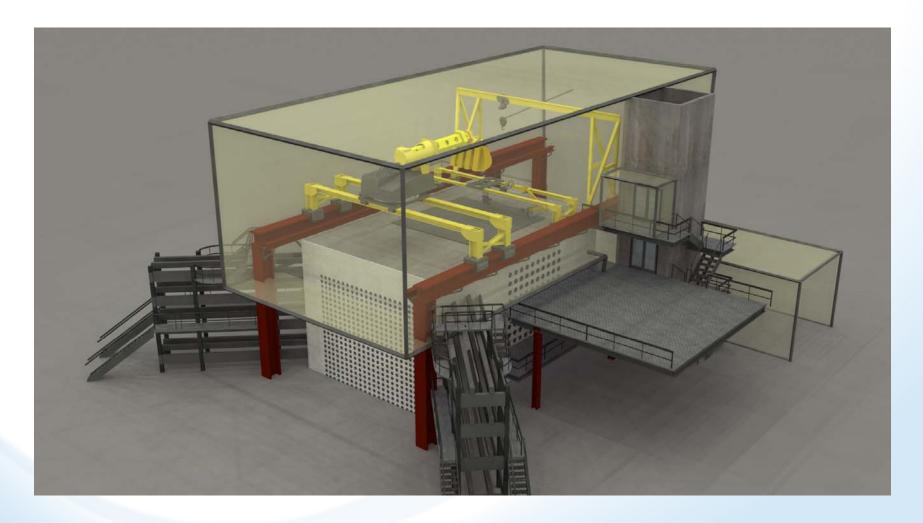




Remote Manipulator for Graphite Removal



Contamination Control Enclosure (CCE)



Remote Controls





Graphite Removal



Graphite Removal (V)



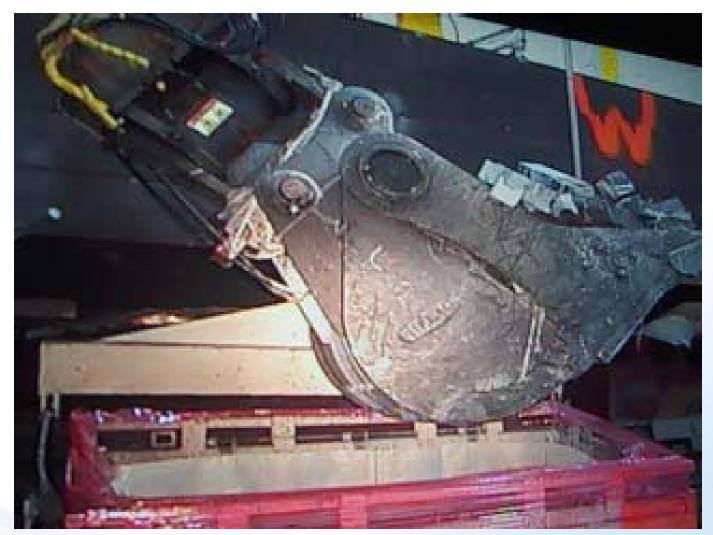
Graphite Removal



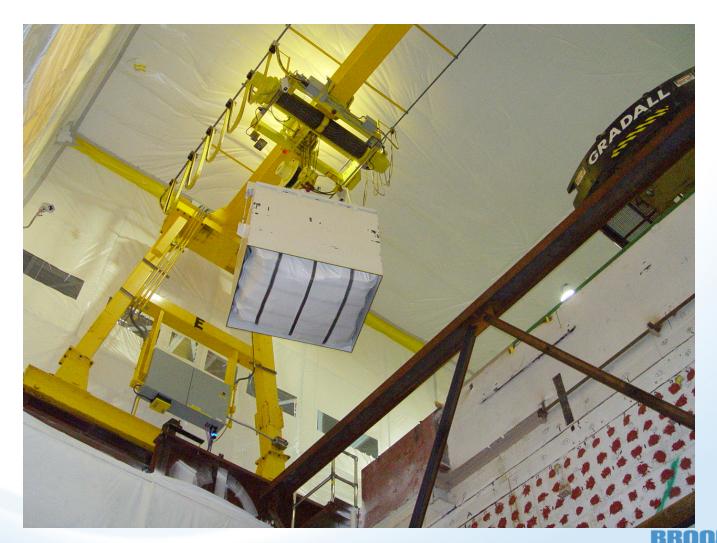


 Good use of fixative application for dust and contamination control

Transfer of Graphite to Supersack (V)



Moving Supersack with Graphite to Industrial Package (IP) – 1 Box (Dry Run)



IP-1 Box Sealed and Clipped





- ~ 250 boxes of graphite
- Typical box of graphite:
 - ~ 65 mR/hr on contact
 - ~ 0.8 mR/hr at 20 feet

First Graphite Shipment



First Graphite Shipment



Look Ahead

- Complete removal of BGRR graphite pile
- Complete shipment of graphite to DOE's Nevada Test Site
- Removal of biological shield
- Installation of engineered cap