

CAC Update: HFBR and BGRR Decommissioning Projects

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HFBR Update

- Detailed work planning and preparation for control rod blade and beam plug removal is complete
 - Procedures to carry out control rod blade and beam plug removal have been prepared and issued

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HFBR Update

- Preparation of facility is complete
 - Reactor and spent fuel canal are flooded to their required levels for underwater control rod blade removal and handling, and temporary systems for filtering this water have been installed, tested, and are being operated to maintain water clarity
 - Equipment to remove and handle control rod blades and casks has been installed and tested



HFBR Update



HFBR Update

- Personnel have been trained and qualified to complete control rod blade and beam plug removal
 - Workers have been trained on procedures for completing the work
 - Drills and dry-runs have been conducted to develop worker proficiency under normal and off-normal conditions



HFBR Update

- Transportation cask Certificates of Compliance have been extended by the DOE
 - Certified for balance of FY2009
 - All four casks required for control rod blade and beam plug transportation and disposal have been received at BNL



HFBR Update



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HFBR Update

- DOE review process that is required for project startup is nearing completion
 - Consists of several tiers of reviews and assessments to demonstrate readiness to safely complete control rod blade and beam plug removal
 - Reviews by the project team and BSA were started in July and completed in August
 - Initial DOE review was completed in September and the required actions to address resulting issues/observations were completed by BSA in November



HFBR Update

- Next steps
 - Final DOE review and DOE authorization to proceed are expected early in the new year
 - On this time line, the control rod blades and beam plugs would be removed and transported to the NTS disposal facility in the spring



BGRR Update

- Detailed planning well underway
 - Pile removal will be thoroughly planned and reviewed to ensure safety and compliance with BNL and DOE regulations and policies
- Required regulatory documents to complete the BGRR project have been reviewed and approved
 - All three Remedial Design/Remedial Action Work Plans are now in place (Graphite Pile Removal, Biological Shield Removal, and Installation of an Engineered Cap and Monitoring System)

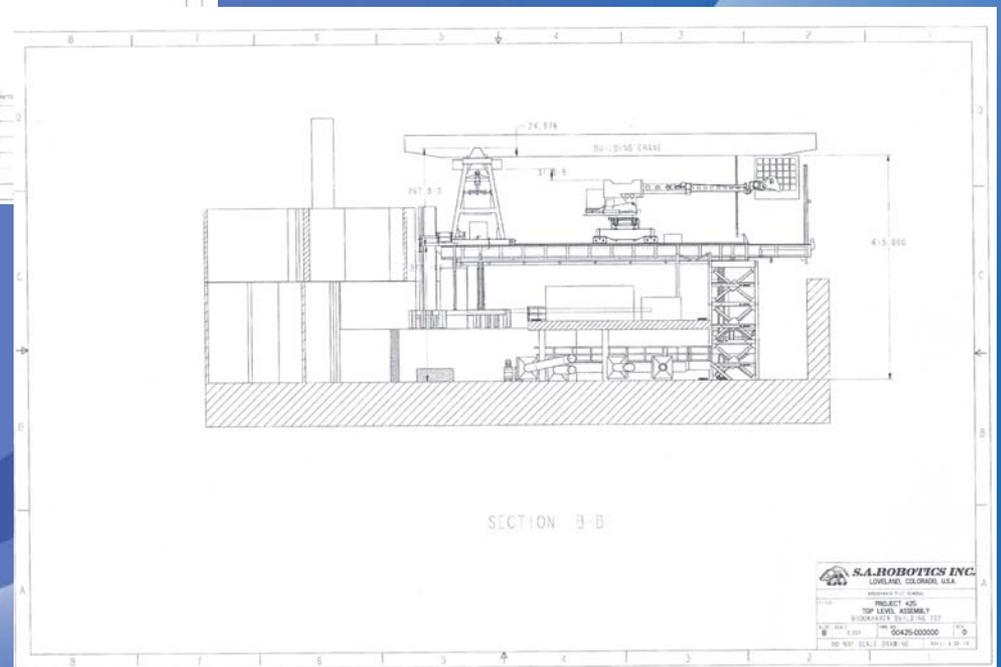
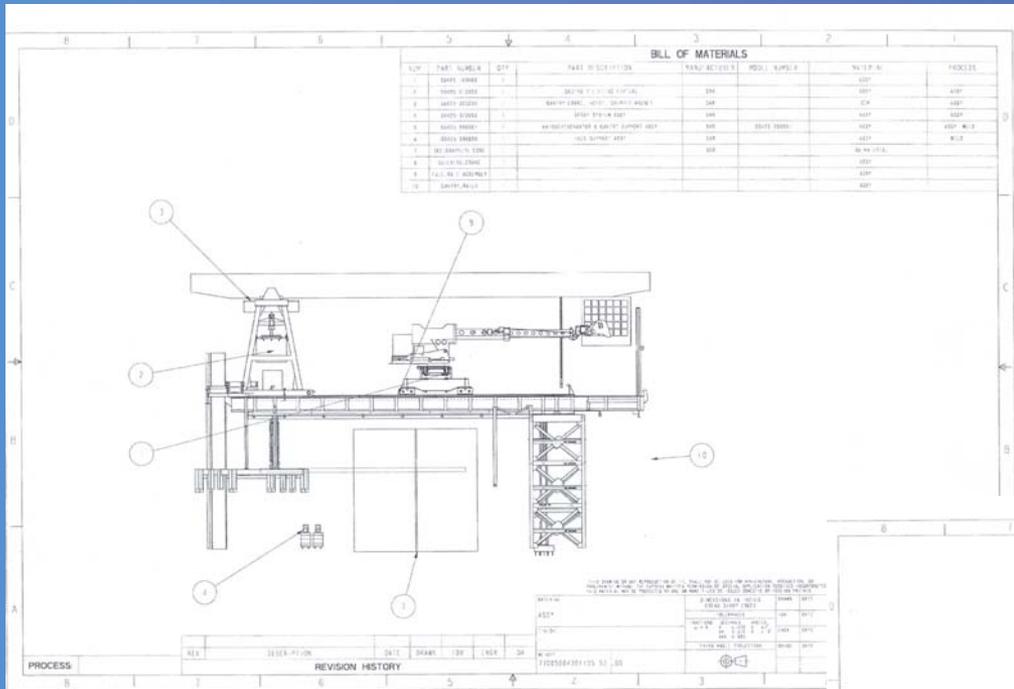


BGRR Update

- BSA hired a contractor in 2008 to design and build the special tools for pile removal
 - BSA planning to use special tools (i.e. robots) to remotely remove the graphite pile and biological shield
 - Special tools for graphite removal have been designed, fabricated and tested
 - Design and fabrication of biological shield removal tools will commence soon (much of this is already done - many of the tools built for graphite removal will also be used for biological shield removal)



BGRR Update



BGRR Update

- Preparation of the BGRR facility is underway
 - Additional power feeds have been installed
 - Physical interferences have been removed including portions of the freight elevator and other structures in the reactor building
 - Work is underway to install steel structures that will support the special pile removal tools
 - Detailed work planning is nearing completion for the installation of the contamination control envelope and temporary ventilation system



BGRR Update

- Next steps
 - Complete equipment installation in the spring
 - Enter the startup readiness review process in the spring

