

Stephen Langish

From: Timothy N. Stevenson
Sent: Friday, May 11, 2012 9:30 AM
To: Mike Williams; Alfred von Halle
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Subject: NBI Upgrade Weekly Status 5/11/12

Mike/Al

NBI Upgrade: The monthly status meeting was held to update jobs. The Construction Management schedule continues to show opportunities to improve on the NB schedule if parts and procedures can keep pace. Welding support has been excellent in the TTC, NTC and NBI shop, and on Tech Shop jobs. HP support continues to keep pace with all NB activities.

NBI Relocation: Fabrication of the BL lift fixture in the Tech Shop is nearing completion and load test plans are in progress.

NBI Refurbishment: Calorimeter refurbishment continued in the TTC with rework for desired alignment. Off the shelf small stainless bellows for water lines have been identified and will be ordered and installed to ease alignment problems. Refurbishment of 90 inch flange Source Isolation Valves was completed and leakchecking continues.

NBI Services: Fabrication of cryogenics line continues in NBPC. Welding the external tee jacket onto the Nitrogen vent line was started. Another length of Nitrogen vent line was fabricated and installed along the North wall of the NTC. The water penetrations were re-evaluated but the original location on the floor near the beamline continues to be the favored locale and will be incorporated into plans.

NBI Power: A meeting was held to evaluate the cable and tray penetration through the NTC West wall. The penetrations have been remapped into better areas and design work is in progress to adjust drawings.

NBI Controls: Fabrication and assembly of the Gradient Grid Resistive Dividers continues. One unit has been completed. A second unit is imminent. The third is in assembly. After testing these units will be ready to install in Mod/Regs 4A, B, & C.

NBI Duct and TVPS: The vendor for the Bay JK weldment and port extension continues to report progress. VV weld considerations and magnetic permeability at the vacuum vessel are being evaluated for best choice of weld wire and technique. Procedures are in progress or ready for approvals for nozzle cuts, support installation, VV cuts, and Bay JK welding. A drawing is in progress for VV support fabrication. A meeting was held to sort out fabrication details on both duct spool sections and the large circular bellows end flanges. A drawing is in progress for the circular bellows order. The TVPS fabricated parts are virtually complete. Orders and requisitions for remaining parts are being held for next fiscal year due to funding.

Regards,

Tim

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