

Stephen Langish

From: Timothy N. Stevenson
Sent: Thursday, August 16, 2012 6:11 PM
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Subject: NBI Upgrade Weekly Status 8/17/12

Mike/Al

NBI Upgrade: Activities continue in the NB Shop and Tech Shop, the NTC and MER, and the TTC. Full HP support continues to keep pace with project requirements including the extra coverage required for penetration drilling. Repair of the cap and port extension continues in the Tech Shop with the additional welding nearing completion. Drilling of penetrations has been completed. An alignment drawing, process, and procedure is being developed for the installation alignment of the Bay JK cap, Beamline box, 90 inch flange, the source platform, and its rails.

NBI Armor: Backing plate machining on the second plate continues as a background task in the shop.

NBI Relocation: Progress continues on preparations for the BL and lid moves. Detailed logistics for transport in the TTC, South High Bay, and NTC have been developed. Decon of the box and lid are in progress. The IP for the beam box, lid, and supports has been developed and drafted and will go out for review soon.

NBI Power: All of the power supply cabling penetrations have been completed in the NTC West wall.

NBI Services: Fabrication of cryo lines continues in the NB shop. The services penetration work in the NTC has been completed. With the completion of penetrations, the articulated lift usage will return to cryo line installation.

NBI Controls: LCC controls and wiring modifications continue on the NBPC 138 level.

NBI Duct and TVPS: The Bay JK weldment and port extension welding repairs continue in the effort to correct the many welding errors by the vendor. Essentially all of the welds have been examined and redone. A significant amount of additional weld passes have been added so the repaired unit will be fully satisfactory and probably even superior to the original design. Preparations for leakchecking the weldment are underway. Port extension repairs are also started but focus has been on the JK weldment. Machining of a duct flange is in progress in the Tech Shop. Additional WAF details are being added to the rectangular bellows flange fabrication to improve EVMS tracking of this package.

Regards,

Tim

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