

Stephen Langish

From: Timothy N. Stevenson
Sent: Friday, June 22, 2012 10:12 AM
To: Mike Williams
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Subject: NBI Upgrade Weekly Status 6/22/12

Mike

NBI Upgrade: VV modification work started this week. Procedures are in development for further VV work. The VV support parts are in fabrication in the shop. Work continues to define penetrations after structural considerations were evaluated. HP support continues to keep pace with beam activities in the TTC.

NBI Refurbishment: Fabrication of the calorimeter water manifolds continues. Reassembly of the calorimeter drives resumed. Ion dump thermocouple work was completed. Ion dump helicoil installation is in progress. 90 inch flange Neutralizer water feedthroughs are being fabricated in the shop.

NBI Power & Services: The structural penetration issues identified with diagonal power supply penetrations in the NTC West wall encouraged revisiting straight penetrations which will require a bit more triax cable length. The triax cable has already been manufactured and is undergoing tests. Therefore, the overall and individual lengths were recalculated and checked to verify that these three continuous runs can be made. The penetration drawing has been finalized so the SOW will be updated accordingly.

NBI Controls: LCC controls and wiring modifications continue on the NBPC 138 level. Mod/Reg chassis modifications continued in the Mod/Reg shop.

NBI Duct and TVPS: The Bay JK weldment and port extension were shipped. The Bay J and K nozzles were successfully cut off the vacuum vessel this week. After fabrication of fixturing, the NBI rectangular bellows successfully passed the Helium leakcheck test. Duct flanges and parts are on order or in the shop for fabrication.

Regards,

Tim

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