

## Stephen Langish

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**From:** Timothy N. Stevenson  
**Sent:** Thursday, August 09, 2012 5:28 PM  
**To:** Mike Williams  
**Cc:** Ronald Strykowski; Lawrence Dudek; Alfred von Halle; Erik Perry; Mark Cropper; John Edwards; Thomas Egebo; Masayuki Ono; Martin Denault; Kelsey Tresemer; Edmond McBride; Neway Atnafu; William Blanchard; S. Ramakrishnan; Guy Rossi; Kristopher Gilton; John Winkelman; Bob Simmons; Stephen Langish; Orlando Guzman; Victor Garzotto; Michael Yavor  
**Subject:** NBI Upgrade Weekly Status 8/10/12

Mike

**NBI Upgrade:** Repair of the cap and port extension continues in the Tech Shop with additional welds included in the repair. Activities continue in the NB Shop and Tech Shop, the NTC and MER, the TTC, and TCB. Full HP support continues to keep pace with project requirements. Drilling of penetrations began this week with several NTC West wall holes completed. Management held the monthly status meeting with active jobs reporting steady progress and only minor difficulties.

**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. Decon of the magnet stand is in progress.

**NBI Refurbishment:** Calorimeter reassembly in the TTC continues. Bridge and drive assembly changes are in progress in the NB Shop and TTC. Upper bellows installation is imminent.

**NBI Power:** Removal of TFTR era N4ABC high voltage triax cables has been completed. Triax cable fabrication was completed at the vendor and is en route. It will be tested on site also. Several power supply penetrations have been completed in the NTC West wall.

**NBI Services:** Fabrication of cryo lines continues in the NB shop. The penetration work in the NTC and TTC has begun and full use of the articulated lift precludes other cryo line installation work. Drawing changes were required to increase the bore for the cryo penetrations to allow margin for the diagonal piping through the wall. Preparations have begun in the NER under the NTC to accommodate the drilling of floor penetration work for the water lines.

**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 to correct welding errors by the vendor. Analysis of the as-built piece and planned repairs showed areas where additional welding was warranted. These areas are readily accessible so full weld prep and larger welds are being added to the vendor welds. Overall, the unit will have been fully examined, rewelded by the shop, and welds increased in size and depth from the original when this repair work is completed. Preparations for leakchecking the weldment are underway. Port extension repairs are also started. Machining of a duct flange is in progress in the Tech Shop.

Regards,

Tim

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