

## Stephen Langish

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**From:** Timothy N. Stevenson  
**Sent:** Friday, June 01, 2012 10:38 AM  
**To:** Mike Williams  
**Cc:** Ronald Strykowski; Alfred von Halle; Erik Perry; Mark Cropper; John Edwards; Thomas Egebo; Masayuki Ono; Mike Viola; Martin Denault; Kelsey Tresemer; Edmond McBride; Neway Atnafu; William Blanchard; S. Ramakrishnan; Guy Rossi; Kristopher Gilton; Lawrence Dudek; John Winkelman; Bob Simmons; Stephen Langish; Orlando Guzman; Victor Garzotto; Michael Yavor  
**Subject:** NBI Upgrade Weekly Status 6/1/12

Mike

**NBI Upgrade:** Work continues in the NBPC building, NTC and gallery, TFTR Test Cell, and technical shops. The Rollover schedule meeting addressed some coverage issues for upcoming jobs and minor changes were made. Additional technical and installation procedure support provided by Don McBride has improved progress and compliance on upcoming work.

**NBI Armor:** The backplate machining for as-built manifold dimensions has started and is in progress. Some additional details are being added to two tiles in the tile machining before placing the order.

**NBI Relocation:** Preparations of lift data sheets for the load test of the BL lift procedure and loads are in progress. The additional parts required for the lift beam are nearly finished. The TTC Lintel removal has been tentatively scheduled for next week weather permitting. The crane needed for the Lintels is ready. Boxes for the air castors are in fabrication. The TTC SW shield door is being tested for operation.

**NBI Refurbishment:** Calorimeter water line bellows were hydrostatically tested and installation has started. Completion of the task will allow for reassembly of the calorimeter. The ion dump full energy plate thermocouple installation continues. Fabrication of water line feedthroughs for the 90 inch flange is in progress.

**NBI Services:** Fabrication of cryogenics line continues in NBPC. Nitrogen line installation in NTC continues. The North wall section is complete. Valves were removed from the TTC south wall cryogenics for reuse.

**NBI Power:** Design work continues to adjust drawings for the NTC West wall penetrations.

**NBI Controls:** Mod/Reg chassis bench work continues with steady progress. Work to open existing penetrations in the NTC East wall for controls cable has been completed. Cable tray installations in the gallery for the controls has started.

**NBI Duct and TVPS:** The Bay JK weldment and port extension heat treat was delayed until this week and will require some extra cleanup work by the vendor. Photos of the weldments were forwarded as part of the vendor weekly report and show that the main parts are finished except for some minor add on details. Procedures are in progress for nozzle cuts, support installation, VV cuts, and Bay JK welding. Tech shop work orders have been placed for the VV modification including templates, structural supports, a shield box, lift beam, and plasma cutting and welding. The large circular bellows drawing is finished and the specification changes are in progress to get this order placed perhaps by next week. The rectangular bellows leakcheck is being setup and testing is imminent. A requisition for the ceramic break to rectangular bellows flange was approved.

Regards,

Tim

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