

## Stephen Langish

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**From:** Timothy Stevenson  
**Sent:** Thursday, October 25, 2012 4:22 PM  
**To:** Mike Williams; Alfred von Halle  
**Cc:** Ronald Strykowski; Lawrence Dudek; Erik Perry; Mark Cropper; John Edwards; Thomas Egebo; Masayuki Ono; Kelsey Tresemer; Edmond McBride; Neway Atnafu; William Blanchard; S. Ramakrishnan; Guy Rossi; Kristopher Gilton; John Winkelman; Stephen Langish; Orlando Guzman; Victor Garzotto; Michael Yavor  
**Subject:** NBI Upgrade Weekly Status 10/26/12

Mike/ Al

**NBI Upgrade:** Work continues in the NTC, TTC, NBPC, and Technical Shops. HP support continues to support activities in both the NTC and TTC. TTC removals continue as equipment is cleaned, surveyed, and moved to storage.

**NBI Armor:** Armor installation plans have been formulated for Construction. Fit-up of backing plates in the vacuum vessel prior to final structural welds has been scheduled in approximately two weeks.

**NBI Relocation:** Alignment of the BL to the beam midplane height and aiming trajectories paused after shim assessment. Shim plates and insulator plate thicknesses have been fabricated. Alignment will resume with location and height adjustments.

**NBI Refurbishment:** 90 inch flange water feedthrough brazing continues in the TTC. Effort continued on the calorimeter reassembly. The ion dump reassembly continues. Clearing other equipment in the TTC continues also.

**NBI Services:** Fabrication of cryo lines continues in the NB shop. TTC installation work will be slated to begin after relocation of beamline components

**NBI Power:** Preparation of the requisition package for the cable and tray installation subcontract is in progress.

**NBI Controls:** Work continued on LCC modifications.

**NBI Duct and TVPS:** The large circular bellows has been received. Fabrication continues on duct flanges and spool pieces. A requisition was placed to order turbomolecular pumps. The Bay JK cap passed leakcheck and returned to the shop for final flange machining and weld preparation. The drawing update for the JK as-built condition is in progress. The lift fixture was evaluated and changes are underway to improve the design for additional failure modes and effects.

Regards,

Tim

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