

## Stephen Langish

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**From:** Timothy Stevenson  
**Sent:** Friday, October 19, 2012 9:31 AM  
**To:** Mike Williams  
**Cc:** Ronald Strykowski; Alfred von Halle; 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 10/19/12

Mike

**NBI Upgrade:** Work continues in the NTC, TTC, NBPC, and Technical Shops. HP support continues to support activities in both the NTC and TTC. A session of CAM refresher training was held this week and attended by five NBI CAMs. An ECP was prepared and reviewed for the refurbishment and controls jobs.

**NBI Armor:** Backing plate machining on the second plate continues as a background task in the shop. Armor tiles have been machined. T bar fabrication continues. Development of the IP for final armor installation is in progress. A list of sequenced tasks has been prepared for the Construction Schedule for in-vessel work.

**NBI Relocation:** Alignment of the BL to the beam midplane height and aiming trajectories continued. Shim plates and insulator plate thicknesses have been determined for fabrication. Remedial decon of parts after the major relocations continued.

**NBI Refurbishment:** 90 inch flange water feedthrough installation continues with bending of tubing prior to installation and brazing. Effort continued on the calorimeter reassembly. The ion dump reassembly has restarted.

**NBI Services:** Fabrication of cryo lines continued in the NB shop. Evaluation of water system installation continues in preparation for subcontract procurement.

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

**NBI Duct and TVPS:** The Bay JK weldment and port extension were received. Setup for leakchecking these units has started. The weldments have been moved to NBPC. Duct flange fabrication continues. A TVPS valve requisition was approved. A quote was received for turbomolecular pumps and a requisition is being prepared.

Regards,

Tim

Timothy N. Stevenson

NBI Project Manager  
Head of Office of Project Management  
Head of Experimental Heating Systems & Neutral Beam Operations

LSB 316 C Site  
Princeton Plasma Physics Laboratory  
Princeton University  
P.O. Box 451  
Princeton, NJ 08543

Office [\(609\) 243-2657](tel:6092432657)  
FAX [\(609\) 243-3248](tel:6092433248)  
email: [tstevenson@pppl.gov](mailto:tstevenson@pppl.gov)

Skypager # : 2047351

You can visit the home page of the DOE Princeton Plasma Physics Laboratory  
at <http://www.pppl.gov>