

## NSTX-U Weekly Report (Aug. 24, 2012)

### **NSTX-U is in the Upgrade Project outage in FY 2012**

#### **Engineering Operations (A. von Halle, C. Neumeyer)**

NSTX Upgrade construction activities continued this week with the ongoing preparations for the vacuum vessel cuts at bay L and bays J-K. The rework of the new bay J-K cap and port extension is nearing completion, and the neutral beam-line is being prepared to be moved into the NSTX Test Cell by late September. The first quadrant of TF inner conductors and the quadrant mold itself are being prepared for the upcoming epoxy molding.

Preparations of non-upgrade equipment for plasma operations in the NSTX-U configuration also continued. Painting and general maintenance of outdoor power system transformers, the RF transmission line bridge, and the helium tank catwalks is in progress. Installation and test procedures for a prototype field coil power conversion system fault detector are being developed and reviewed.

Access to the NSTX test cell will be available only through previous arrangement with the Upgrade Work Control Center.