

**NSTX Upgrade Project
Final Design Review
June 22 23 and 24th 2011**

Charge

1. Are ES&H issues being properly addressed for the fabrication, assembly and testing?
2. Does the final design meet the requirements for the NSTX Upgrade Project as delineated in the General Requirements Documents (attached)?
3. Does the Final Design Review satisfy the objectives of PPPL Procedure ENG?033, "Design Verification", Attachments 4 and 6, "Design Review Objectives and Input Documentation" and "Human Performance Improvement/Factors Considerations in Design Reviews" (attached)?
4. Have previous recommendations from previous reviews been adequately addressed?
5. Have risks been appropriately identified? Are project plans adequate to address/retire the identified risks? Are there any "show stoppers" to starting fabrication and assembly?
6. Have the cost and schedule estimates been updated? Do they reasonably reflect the cost, schedule, and resource efforts required to complete the project?
7. Given the current stage of the project, is the project's management structure and team appropriate, and are the plans to support the next phase of the project sufficient?
8. Is the project proceeding along a plan to be CD-3 ready by this summer? Has the required documentation been identified and currently being prepared as required by DOE 413.3B?
9. Outage planning and coordination - Has a construction plan been developed that adequately ensures the proper sequencing of field tasks? Have key positions and responsibilities been defined? Has worker coordination been addressed (ie daily job briefings, hazards analysis, procedures etc.)?