



71-970820-CLN-01

**TO: DISTRIBUTION**  
**FROM: C NEUMEYER**  
**SUBJECT: NSTX CONSTRUCTION PLANNING**

Responsibility for NSTX related construction activities at D-site in the NSTX Test Cell will fall on the NSTX project beginning October 1, 1997. Therefore we need to assign individuals to be responsible for the work and identify personnel needed to accomplish the work. Furthermore we need to establish work procedures.

This memo presents an initial plan subject to approval by the NSTX project management as well as PPPL management.

The primary focus is on the NSTX Test Cell activities. However, work in other parts of D-site needs to be addressed as well. With respect to the latter, further clarification of the organization of D-site responsibilities from the overall PPPL point of view is needed.

Overall construction organization is described in the following table.

CONSTRUCTION MANAGER - E Perry					
ENGINEERING		FABRICATION & INSTALLATION	EXPEDITING	INSPECTION	
Engineers	M Viola J Chrzanowski	S Kemp P Kivler	S Kemp T Meighan	Electrical	R Borsovic A Wise*
Supervisors	J Winston T Meighan	B Delaney		Welding	J Bosco R Parsells*
		S Jurczynski		Lifting/ Rigging	M Viola
		R Tucker		General	R Parsells*
		J Taylor			J Levine
		M DiMattia			
		J Bartzak			
		M Anderson			
		J Gething			

\* Back up

Responsibilities and roles of the organizational entities are as follows.

## CONSTRUCTION MANAGER

Construction Manager is the NSTX WBS 8 manager, and reports to the NSTX Project Engineer. Per the NSTX Project Execution Plan and WBS Dictionary the scope is as follows:

"Site preparation and torus assembly includes modifications to the existing D-site Hot-Cell components and subsystems and the assembly and installation of all Torus Systems (WBS 1). Modifications to other PPPL facilities, components, and subsystems outside the D-site Hot-Cell and the assembly and installation of non-torus components and subsystems are included in the individual components and subsystems.

This WBS element also includes the Construction Management oversight of all assembly and installation operations on NSTX."

Construction manager has overall responsibility for all NSTX construction / installation activities, including....

- Developing procedures/methods/formats for...
  - receiving installation packages from NSTX WBS managers
  - scheduling work tasks and required personnel and material
  - assigning work task orders to construction team
  - establishing work areas in terms of boundaries, de-energization of equipment, identification of hazards, etc.
  - safety and QC inspection
  - documentation

Note: Existing PPPL and D-site procedures shall be utilized to the extent that they are applicable.

- Training of construction team
  - procedures/methods/formats mentioned above
  - PPPL safety training
- Identification of tasks covered by Davis-Bacon
- Scheduling the work and assigning tasks
- Tools and equipment

## ENGINEERING

Engineering roles include the following...

- Supervision of work in conformance with procedures

- PPPL personnel
- subcontract personnel performing tasks covered by Davis-Bacon
- Resolution of problems
- Documentation
  - maintaining set of drawings in the field reflecting site conditions for use by construction team
  - maintaining records of construction information
  - follow up, via WBS manager, on field changes via NSTX configuration control procedures

### FABRICATION & INSTALLATION

Fabrication and installation of non-Davis Bacon tasks will be performed primarily by the individuals listed. However in some cases the work will be performed by others (e.g. other D-site operations technicians TBD).

### EXPEDITING

Expediter roles include the following...

- Procurement of miscellaneous tools and supplies as needed
- General expediting of documentation and signature approvals as needed

Note: Open order or credit card authority for purchases of miscellaneous tools and equipment (subject to TBD limitations) shall be assigned to the expediters.

### INSPECTION

- Safety inspections shall be performed before, during, and after work tasks as delineated in the installation packages and work task orders
- Quality Control (QC) inspections shall be performed on components before, installation and on completed work after fabrication/installation as delineated in the installation packages and work task orders

Comments on this plan are hereby solicited prior to 3 September 1997.

cc:

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NSTX File