CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 5 - Explanations and Problem Analysis

FORM APPROVED
OMB No. 0704-0188

1. CONTRACTOR	2. CONTRACT		3. PROGRAM	4. REPORT PERIOD
a. NAME Princeton University-Plasma Physics Lab	a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project	a. FROM (YYYYMMDD) 2014 / 02 / 01
b. LOCATION (Address and ZIP Code) Princeton, New Jersey	b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3	b. TO (YYYYMMDD) 2014 / 02 / 28
	c. TYPE M&O	d. SHARE RATIO	c. EVMS ACCEPTANCE No X Yes YYYYMMDD 2011 / 12 / 20	

5. Evaluation

1305 Ohmic Heating Coil (Chrzanowski)

	Budget	Earned	Actuals	SV in $	SV in %	CV in $	CV in %	SPI	CPI
Current:	31	119	211	89	**290%**	-92	**-77%**	3.90	0.57
Cumulative:	6,617	6,183	9,722	**-434**	**-7%**	-3,539	**-57%**	0.93	0.64

	BAC	EAC	VAC in $	VAC in %	TCPI to BAC	TCPI to EAC
At Complete:	6,676	10,618	-3,942	**-59%**	0.08	-

Explanation of Variance/Description of Problem:

The WBS 1.1 cost variance continues to be driven mainly by Control Account 1305. Without rehashing the prior issues with regards to cost, the more recent issues have been from the complexity of the layer to layer joints of the OH winding. This task has proven to be much more complex than originally scheduled/budgeted, and quality will not being sacrificed at the expense of cost for this activity or the OH winding. A significant amount of additional labor from both the winding team and the Technical Shop has been required to support this activity.

Impact:

The WBS 1.1 cost variance is the main reason the project has a CPI of less than 1.0. It will continue to be the largest cost variance on the project.

Corrective Action:

This cost variance cannot be recovered. This is the critical path and additional resources will be diverted to this activity as necessary to maintain the current schedule which will only worsen the variance.

Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):

Control Account 1305 (OH winding) continues to be the main driver for the WBS 1.1 cost variance. This is expected to continue until the coil is fully wound which should occur in May 2014.

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