
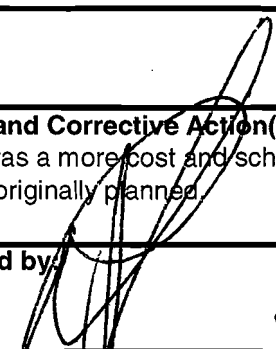


CONTRACT PERFORMANCE REPORT								FORM APPROVED	
FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								OMB No. 0704-0188	
<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>			<b>3. PROGRAM</b>			<b>4. REPORT PERIOD</b>	
<b>a. NAME</b> Princeton University-Plasma Phys		<b>a. NAME</b> DOE-SC-OFES-NSTX Upgrade			<b>a. NAME</b> NSTX Upgrade Project			<b>a. FROM (YYYYMMDD)</b> 2011/07/01	
<b>b. LOCATION (Address and ZIP)</b> Princeton, New Jersey		<b>b. NUMBER</b> DE-AC02-09CH11466			<b>b. PHASE</b> CD-2			<b>b. TO (YYYYMMDD)</b> 2011/07/31	
		<b>c. TYPE</b> M&O	<b>d. SHARE RATIO</b>		<b>c. EVMS ACCEPTANCE (YYYYMMDD)</b> NO <input checked="" type="checkbox"/> YES				
<b>1.3 Auxiliary Systems</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	0	0	5	0	0%	-5	-100%	1.00	0.00
Cumulative:	120	109	42	-11	-10%	67	61%	0.90	2.59
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	377	321	55	15%	0.80	0.96			
<b>Thresholds Exceeded: Cumulative Cost (positive)</b>									
<b>Explanation of Variance/Description of Problem:</b> Gas injection system tile work was covered in the PFC tile job with the same designer, hence the expected costs did not show up here. Cooling water system design originally included replacement of pumps which turned out not to be required. This reduced the cost to design.									
<b>Impact:</b> No direct impact on project other than the cost savings.									
<b>Corrective Action:</b> None required at this time.									
<b>Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):</b> Primary cause was the use of the PFC designer to do this work which was a more cost and schedule effective way to do the work. Water system design turned out to be simpler than what was originally planned.									
<b>Prepared by:</b> 				<b>Date:</b> 8/30/2011		<b>Approved by:</b> 		<b>Date:</b> 8/31/2011	

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		<b>c. TYPE</b> M&O	<b>d. SHARE RATIO</b>	<b>c. EVMS ACCEPTANCE (YYYYMMDD)</b> NO X YES					
<b>1.4 Plasma Diagnostics</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	35	7	39	-28	-79%	-32	-435%	0.21	0.19
Cumulative:	751	664	697	-86	-11%	-33	-5%	0.89	0.95
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,785	1,917	-132	-7%	1.03	0.92			
Thresholds Exceeded: <b>Cumulative Schedule</b>									
<b>Explanation of Variance/Description of Problem:</b>									
Control Account 4500 is driving the WBS 1.4 schedule variance. This has primarily been driven by two tasks which are the Final Design changes 0028 and Stress analysis 0026. The design changes have been slowed by the availability of Physics personnel and the difficulty in design on the Bay L cap while the analysis has been slowed by personnel availability.									
<b>Impact:</b>									
The Final Design Review for CA 4500 will be delayed; however, there should be no impact on the project schedule as this job is not on the critical path.									
<b>Corrective Action:</b>									
There is no opportunity to make up time on these tasks. They will soon hit there end date and the SPI will eventually return to 1.0 on the tasks involved. Personnel are now available and working on these tasks.									
<b>Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):</b>									
Lack of availability of Analysts and Phycisists and design difficultites have led to schedule delays in CA 4500. No impact outside the Control Account. No corrective action available.									
Prepared by:		Date:		Approved by:		Date:			
George J. Lant		8/30/11				8/31/2011			

IMPORTANT  
TO PLACE THE  
CONTRACT FOR  
THE BAY L /  
PORT ASAP!

8/30/11