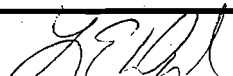
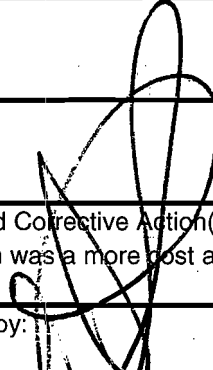

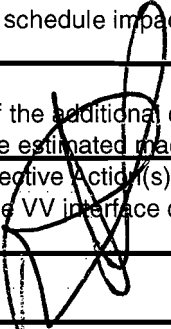


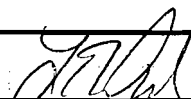
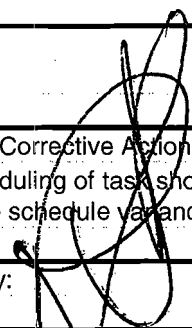
CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT							FORM APPROVED			
FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES							OMB No. 0704-0188			
1. CONTRACTOR		2. CONTRACT		3. PROGRAM			4. REPORT PERIOD			
a. NAME Princeton University-Plasma Ph		a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project			a. FROM (YYYYMMDD) 2011/05/01			
b. LOCATION (Address and Z		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-2			b. TO (YYYYMMDD) 2011/05/31			
Princeton, New Jersey		c. TYPE M&O	d. SHARE RATIO	c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES						
1.3 Auxiliary Systems										
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI	
Current:	27	51	2	24	88%	49	96%	1.88	23.81	
Cumulative:	107	79	25	-28	-26%	55	69%	0.74	3.21	
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC				
At Complete:	377	321	56	15%	0.84	1.00				
Thresholds Exceeded: Cumulative Cost										
Explanation of Variance/Description of Problem: Gas injection system tile work was covered in the PFC tile job with the same designer, hence efficiencies were realized where tasks crossed into two jobs.										
Impact: None										
Corrective Action: None required at this time.										
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): 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.										
Prepared by: 			Date:		Approved by: 			Date: 7/7/2011		

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		c. TYPE M&O	d. SHARE RATIO	c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES					
1.4 Plasma Diagnostics									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	97	65	46	-32	-33%	19	29%	0.67	1.41
Cumulative:	612	541	622	-70	-12%	-81	-15%	0.88	0.87
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,785	1,871	-86	-5%	1.07	1.00			
Thresholds Exceeded: Cumulative Schedule, Cumulative Cost									
Explanation of Variance/Description of Problem: The VV design is requiring iterations as the result of PDR chits which was not in the plan. This is nearing completion now. Design is awaiting input from Physics to confirm the layout of the optics path.									
Impact: Will increase cost to provide the VV port modification design, no significant schedule impact if physics approves the design in time for the FDR planned in August.									
Corrective Action: Need to get attention of physics to approve and iterate the design. Much of the additional cost is expected to be offset by lower installation cost of plasma cutting of the VV openings when compared to the estimated machined holes.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): Primary cause was the unexpected cost and schedule impact of iterating the VV interface design.									
Prepared by: 		Date:		Approved by: 		Date: 7/7/2011			

CLASSIFICATION (When Filled In)

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b. LOCATION (Address and Z Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-2		b. TO (YYYYMMDD) 2011/05/31			
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES					
1.6 Central Instrumentation & Control									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	14	3	14	-11	-79%	-11	-347%	0.21	0.22
Cumulative:	158	91	91	-66	-42%	0	0%	0.58	1.00
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	918	918	0	0%	1.00	1.00			
Thresholds Exceeded: Cumulative Schedule									
Explanation of Variance/Description of Problem: A negative schedule variance exists due to task 6100-0041 which was scheduled to start in February 2011 but has not. The task should have been scheduled for April of 2012. Task will be re-scheduled for April 2012 which will not be an effort to mask this schedule variance, but rather maintain the integrity of the schedule.									
Impact: No impact.									
Corrective Action: Move task to April 2012 per Engineering Change Proposal.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): Task improperly scheduled for February 2011 in baseline. Proper scheduling of task should have been scheduled for April 2012. This causes no impact to cost/schedule. Task contributing \$49K to negative schedule variance.									
Prepared by: 		Date:		Approved by: 		Date: 7/7/2011			