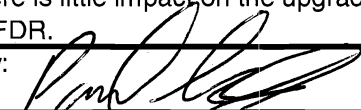
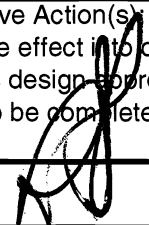
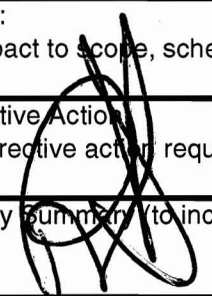

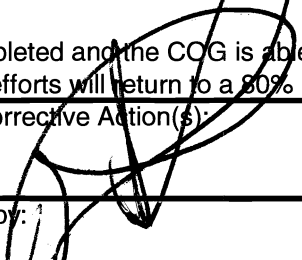


**CLASSIFICATION (When Filled In)**

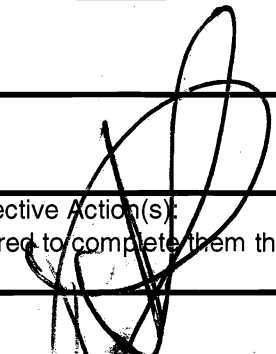
CONTRACT PERFORMANCE REPORT								FORM APPROVED	
FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								OMB No. 0704-0188	
1. CONTRACTOR		2. CONTRACT		3. PROGRAM		4. REPORT PERIOD			
a. NAME Princeton University-Plasma Phys		a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project		a. FROM (YYYYMMDD) 2011/03/01			
b. LOCATION (Address and ZIP) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE		b. TO (YYYYMMDD) 2011/03/31			
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES					
<b>1.6 Central Instrumentation &amp; Control</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	29	27	13	-2	-8%	14	53%	0.92	2.12
Cumulative:	137	79	64	-59	-43%	15	18%	0.57	1.23
	BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC			
At Complete:	918	902	16	2%	0.98	1.00			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Schedule, Cumulative Cost, At Complete Cost									
Explanation of Variance/Description of Problem: The NSTX-U Final Design work is behind schedule. The primary reason was the resignation of the real-time plasma control engineer. Key NSTX-U engineers have had to take on unanticipated work to cover for the departed engineer. The new/replacement staff has been taxing the current staff (training), as well as being less effective than the former, experienced engineer.									
Impact: Impact: Low impact. The general design approach is clear, the scope of work relatively minor.									
Corrective Action: Re-evaluate staff work loads and priorities and assigned staff. Review design needs and assign designer.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): The primary cause is the departure of key personnel, which has caused a ripple effect in other work areas. The scope of work that is behind schedule is relatively small. The design approach is clear, so there is little impact on the upgrade project. The design is expected to be complete prior to the FDR.									
Prepared by: 		Date: 5/16/11		Approved by: 		Date: 5/15/11			

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<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> 2011/03/01	
<b>b. LOCATION (Address and ZIP)</b> Princeton, New Jersey		<b>b. NUMBER</b> DE-AC02-09CH11466			<b>b. PHASE</b>			<b>b. TO (YYYYMMDD)</b> 2011/03/31	
		<b>c. TYPE</b> M&O	<b>d. SHARE RATIO</b>		<b>c. EVMS ACCEPTANCE (YYYYMMDD)</b> NO X YES				
<b>1.7 Project Support &amp; Integration</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	189	1,148	1,079	958	507%	69	6%	6.07	1.06
Cumulative:	4,511	4,511	4,099	0	0%	412	9%	1.00	1.10
	BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC			
At Complete:	14,371	13,959	412	3%	0.96	1.00			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Cost, At Complete Cost									
<b>Explanation of Variance/Description of Problem:</b>									
Current period variance result of combining two CA into one (7700 & 7710 into 7710). No action req'd									
This is an LOE CA. Positive cost variances in CA's due to ;									
7100 - Project Mgt & Oversight +\$82k Due to Deputy PM temp assigned to support operations , GA drawing updates less than anticipated									
7300 - NBI management +66k due to Effort for peer review and FDR shifted outward when project FDR date was rescheduled from April to June so March had fewer charges.									
7400 - Hp coverage & support +\$199k due to These NBI activities were put on hold temporarily while NBI staff were realigned to support the NSTX outage. With the outage nearing completion, refurbishment activities have resumed this month so HP has resumed support.									
<b>Impact:</b>									
No impact to scope, schedule milestone									
<b>Corrective Action:</b>									
No corrective action required at this time.									
<b>Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):</b>									
 									
Prepared by: R.L.Strykowski				Date: 4/29/2011		Approved by:		Date: 5/5/11	

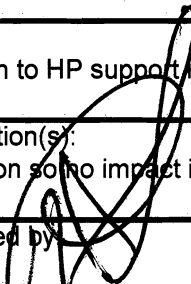
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b. LOCATION (Address and ZIP) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466			b. PHASE			b. TO (YYYYMMDD) 2011/03/31	
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES					
<b>1001 CS Plasma Facing Components (Tresemer)</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	81	99	36	18	23%	64	64%	1.23	2.79
Cumulative:	616	537	512	-80	-13%	25	5%	0.87	1.05
	BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC			
At Complete:	2,169	2,149	20	1%	0.99	1.00			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Schedule, Cumulative Cost, At Complete Cost									
Explanation of Variance/Description of Problem: Concerning the Cumulative SV, shows that scheduled work was not completed. This is due to the COG being unavailable to devote time to this project.									
Impact: Most of this month was spent finishing up crucial work on another project (Moly upgrade for NSTX divertor) which needed completion for intallation during this year's outage. Additionally, personal sick time was taken. These all impacted the scheduling of this job by delaying progress. Little money was spend, but also little progress made. Other needed work (material testing, drawing work) was completed on time and according to schedule.									
Corrective Action: The jobs that were conflicting with 1001 are now completed and the COG is able to offer the PFC project more of my attention. In the following weeks leading up to the FDR, efforts will return to a 80% PFC, 20% NB Armor.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
Prepared by: Kelsey Tresemer		Date: 4/25/11		Approved by: 			Date: 5/5/11		

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<b>b. LOCATION (Address and ZIP)</b> Princeton, New Jersey		<b>b. NUMBER</b> DE-AC02-09CH11466			<b>b. PHASE</b>			<b>b. TO (YYYYMMDD)</b> 2011/03/31	
<b>c. TYPE</b> M&O		<b>d. SHARE RATIO</b>			<b>c. EVMS ACCEPTANCE (YYYYMMDD)</b> NO X YES				
<b>2490 NTC Equipment Relocations (Perry)</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	0	66	0	66	100%	66	100%	N/A	N/A
Cumulative:	278	345	278	66	24%	66	19%	1.24	1.24
	BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC			
At Complete:	3,618	3,526	92	3%	0.98	1.01			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Schedule, Cumulative Cost, At Complete Cost									
Explanation of Variance/Description of Problem: Review of the removal procedures generated in 2008 showed that they are in large part still valid ... only about half as much work will be needed to complete these procedures									
Impact: None									
Corrective Action: None - one time reduction in labor required to generate removal procedures									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): A review of existing removal procedures showed that less work will be required to complete them than was estimated.									
Prepared by: Erik D. Perry		Date: 5/4/2011			Approved by: 			Date: 5/5/2011	

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c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES					
<b>7400 Health Physics Support (Stevenson)</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	47	47	7	0	0%	40	85%	1.00	6.60
Cumulative:	632	632	435	0	0%	197	31%	1.00	1.45
	BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC			
At Complete:	2,507	2,311	197	8%	0.91	1.00			
Thresholds Exceeded: Current Period Cost, Cumulative Cost, At Complete Cost									
Explanation of Variance/Description of Problem: This job provides HP support to NBI activities in the Test Cell as needed. These NBI activities were put on hold temporarily while NBI staff were realigned to support the NSTX outage. The NSTX outage delayed the return of these resources to NBI refurbishment so HP was not required for this duration. With the outage nearing completion, refurbishment activities have resumed this month so HP has resumed support.									
Corrective Action: Because NBI staff have resumed refurbishment activities already no corrective action to HP support is required at this time.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): The refurbishment activities are well in advance of critical path and needed completion so no impact is expected at this time.									
Prepared by: T. N. Stevenson			Date: 4/25/11		Approved by: 		Date: 5/5/11		