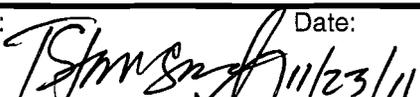


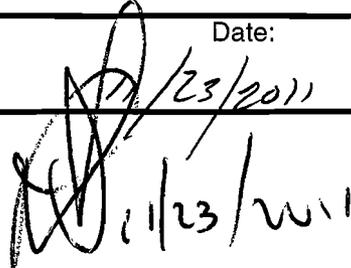
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CONTRACT PERFORMANCE REPORT								FORM APPROVED	
FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								OMB No. 0704-0188	
1. CONTRACTOR		2. CONTRACT		3. PROGRAM		4. REPORT PERIOD			
a. NAME Princeton University-Plasma Phys		a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project		a. FROM (YYYYMMDD) 2011/10/01			
b. LOCATION (Address and ZIP) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-2		b. TO (YYYYMMDD) 2011/10/31			
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO <input checked="" type="checkbox"/> YES					
2475 2nd NBI Controls (Cropper)									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Cumulative:	248	494	293	246	99%	202	41%	1.99	1.69
Thresholds Exceeded: Cumulative Schedule (Positive)									
Explanation of Variance/Description of Problem:									
Variance due to accelerated schedule. Tasks started ahead of baseline schedule.									
Impact:									
Jop will complete ahead of baseline schedule.									
Corrective Action:									
none.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
Variance will be corrected as the baseline schedula catches up to accelerated schedule.									
Prepared by: M. Cropper		Date: 11/23/11		Approved by: 		Date: 11/23/2011			


11/23/2011

CLASSIFICATION (When Filled In)

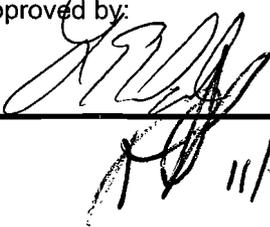
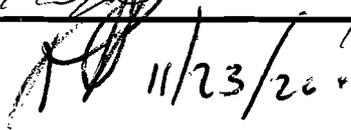
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c. TYPE M&O		d. SHARE RATIO			c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES				
2490 NTC Equipment Relocations (Perry)									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Cumulative:	340	680	572	341	100%	108	16%	2.00	1.19
Thresholds Exceeded: Cumulative Schedule (positive)									
Explanation of Variance/Description of Problem: Scope was performed at a higher rate than originally scheduled in order to prepare a backlog of procedures for the field to provide flexibility and to support the faster than planned rate of mechanical removals.									
Impact: Ramp-up of labor was faster than planned.									
Corrective Action: None, work has settled into the desired pace for both design and for the field.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): Improved plan for the mechanical removal of the diagnostics required a faster ramp-up of the related electrical work. In addition, there were efficiencies resulting from using the mechanical crews to move racks once they were disconnected.									
Prepared by: Erik D. Perry				Date: 11/22/2011		Approved by: 		Date: 11/23/2011	


11/23/2011

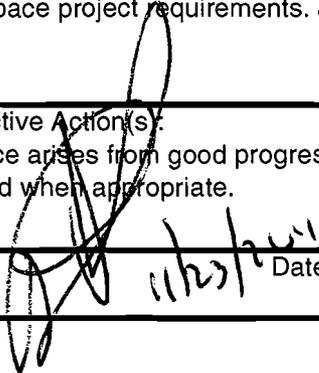
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b. LOCATION (Address and ZIP) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466			b. PHASE CD-2			b. TO (YYYYMMDD) 2011/10/31	
c. TYPE M&O		d. SHARE RATIO			c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES				
3200 Water Cooling System Mods (Denault)									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Cumulative:	74	68	37	-6	-8%	32	46%	0.92	1.87
Thresholds Exceeded: Cumulative Cost (positive)									
Explanation of Variance/Description of Problem:									
Positive cost variance due the fact that the original design assumed replacement of water pumps; however, pump replacement was not necessary which led to less time being required for design.									
Impact:									
Other than the cost savings to the project there are no impacts.									
Corrective Action:									
No corrective action required at this time.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
A positive cost variance has been realized due to savings in system design. There are no corrective actions required at this time.									
Prepared by: MARTIN DENAULT		Date:			Approved by: 			Date: 11/23/2011	
		Digitally signed by MARTIN DENAULT DN: cn=MARTIN DENAULT, o=PPPL, ou=WELDING, email=mdenault@pppl.gov, c=US Date: 2011.11.10 17:37:44 -05'00'						11/23/2011	

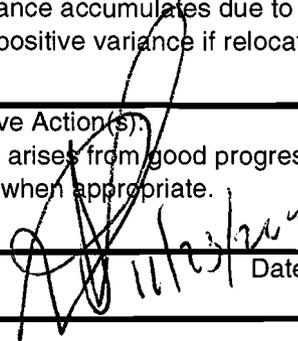
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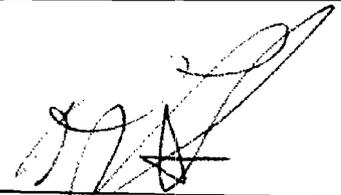
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c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES					
3400 Gas Delivery System Mods (Blanchard)									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Cumulative:	41	39	23	-2	-5%	16	42%	0.95	1.72
Thresholds Exceeded: Cumulative Cost (positive)									
Explanation of Variance/Description of Problem: Positive cost variance due to some cost savings that were realized where drafting support/drawings required overlapped with the Plasma Facing Components Control Account.									
Impact: Other than the cost savings there is no impact on the project.									
Corrective Action: This is a positive variance due to cost savings; therefore, no corrective action is necessary.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): Positive cost variance due to cost savings in drafting work. No corrective action needed at this time.									
Prepared by:		Date:		Approved by:		Date:			
W. Blanchard						11/23/2011			
Digitally signed by W. Blanchard DN: cn=W. Blanchard, o=PPPL, email=wblancha@pppl.gov, c=US Date: 2011.11.14 15:04:49 -05'00'						 11/23/2011			

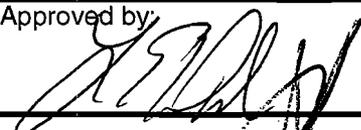
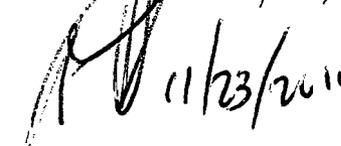
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		c. TYPE M&O	d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES				
7300 NB2 Management (Stevenson)									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Cumulative:	480	480	379	0	0%	101	21%	1.00	1.27
Thresholds Exceeded: Cumulative Cost (positive)									
Explanation of Variance/Description of Problem: Management costs are under budget resulting in a positive cost variance. Work has progressed well and on schedule. Peer, FDR, EVMS, and Lehman reviews were successful with few or no chits. Therefore, no costs associated with addressing recommendations were required. Therefore, only minimal COG and RLM costs were needed to cover reviews.									
Impact: No impact. Work is on schedule and reviews are complete.									
Corrective Action: None. With accelerated schedule more management time will be incurred to pace project requirements. Job will be reviewed and EAC evaluated after accelerated schedule jells.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): Costs have been incurred commensurate with workload. Positive cost variance arises from good progress with less cost than anticipated. No impact on project is foreseen at this time. EAC will be adjusted when appropriate.									
Prepared by: T. N. Stevenson 11/10/11				Date:		Approved by: 		Date:	

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c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES					
7400 Health Physics Support (Stevenson)									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Cumulative:	940	940	529	0	0%	412	44%	1.00	1.78
Thresholds Exceeded: Cumulative Cost (positive)									
Explanation of Variance/Description of Problem: Full HP coverage not required everyday because less refurbishment was accomplished than planned. Less refurbishment was achieved due to ops coverage and delays, maintenance in the TC, and lagging parts and equipment. Refurbishment has resumed so HP coverage will be in more demand this year.									
Impact: Refurbishment was started early so adequate time remains to complete. Therefore, HP coverage will support refurbishment whenever required. Relocation will also need HP as will remedial maintenance of the TC prior to subcontract work. No impact to project.									
Corrective Action: Based on progress, LOE HP will be monitored and corrected with EAC if a variance accumulates due to future inefficiencies in refurbishment. However, additional HP coverage requirements may absorb this positive variance if relocation and TC maintenance requires more support than planned.									
Monthly Summary (to include technical causes of VARs, impacts) and Corrective Action(s): Costs have been incurred commensurate with workload. Positive cost variance arises from good progress with less cost than anticipated. No impact on project is foreseen at this time. EAC will be adjusted when appropriate.									
Prepared by: T. N. Stevenson 11/10/11				Date:		Approved by: 		Date:	

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		c. TYPE M&O	d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES				
7710 NSTX-U HP and Other Allocations (Strykowski)									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Cumulative:	1,589	1,589	1,323	0	0%	266	17%	1.00	1.20
Thresholds Exceeded: Cumulative Cost (positive)									
Explanation of Variance/Description of Problem:									
Less HP technicians required at this stage of the project than originally planned. The required staffing levels will increase once activity in the TFTR Test cell is begun (ie decon work, routing of NB services, relocation of the NB box etc)									
Impact:									
While the level of charging will increase, the positive cost variance should remain constant.									
Corrective Action:									
None at this time.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
Prepared by:				Date:		Approved by:		Date:	
 Ron Strykowski						 Mike Williams		Digitally signed by Mike Williams DN: cn=Mike Williams, o=PPPL, ou=Engineering and Infrastructure, email=williams@pppl.gov, c=US Date: 2011.11.23 08:39:43 -05'00'	

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		c. TYPE M&O	d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES				
8200 CS & Coil Supt Struct Install (Perry)									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Cumulative:	302	322	173	20	6%	149	46%	1.06	1.86
Thresholds Exceeded: Cumulative Cost									
Explanation of Variance/Description of Problem: Job was estimated based on removal of diagnostics one by one. Removing power to all diagnostics at once and then having Machine Techs do the removals by area rather than by system resulted in significant efficiencies.									
Impact: Less labor and schedule required to perform diagnostic removals.									
Corrective Action: None required - only affect removals which will be completed soon.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): Improved plan for the removal of the diagnostics has resulted in significant efficiencies.									
Prepared by:				Date:		Approved by:		Date:	
Erik D. Perry				11/22/2011				11/23/2011	
 11/23/2011									