Program:NSTXU Batch Report:01CPR5W

	CONTRACT PERFOR	FORM APPROVED			
	FORMAT 5 - EXPLANATIONS A		OMB No. 0704-0188		
1. CONTRACTOR	2. CONTRACT	3. PROGRAM		4. REPORT PERIOD	
a. NAME	a. NAME	a. NAME		a. FROM (YYYYMMD)D)
Princeton University-Plasm	a Phys DOE-SC-OFES-NSTX Upgra	de NSTX Upgrade Project		2011/08/01	
b. LOCATION (Address a	LOCATION (Address and ZIFb. NUMBER				
Princeton, New Jersey	DE-AC02-09CH11466	CD-2		b. TO (YYYYMMDD))
	c. TYPE d. SHARE RA M&O	TIO c. EVMS ACCEPTANO NO X YES	E (YYYYMMD	D 2011/08/31	
1.3 Auxiliary Systems	mao	, 120 x 120			-
BCW	S BCWP ACWP	SV in \$ SV in % CV in	\$ CV %	SPI CPI	
Cumulative:	120 (109 49)	-11 -9%	60 55%	6 0.91	2.21
Thresholds Exceeded	: Cumulative Cost	_	_	_	
Explanation of Varia	nce/Description of Problem	-			
Gas injection system:	tile work was covered in the P	FC tile job with the same design	oner hence the e	xpected costs did no	ot show
		uded replacement of pumps w			
reduced the cost to de					
Impact:					
•	roject other than the cost savi	ngs.			$ \mathcal{M} $
Corrective Action:	_				- /\
None required at this	time.				/ W
		of VARs, Impacts) and Corre	ective Action(s):		
· ·				/	
		do this work which was a more		ule effective way to d	iofthe 100
work. Water system o	lesign turned out to be simple	r than what was originally plan	<u></u>	$-\alpha $	a richo
Prepared by: W. B	Cambral 4	Date: Approved by:	1 3/2	Date: 26/2011	
11/2	40	M. SCHOOL	1/2	6/2011	
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CONTRACT PERFORMANCE REPORT								FORM APPROVED		
FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES							_	OMB No. 0704-0188		
I. CONTRACTOR	2. CONTRA	CT		3. PROGRA	M		_	4. REPORT PERIOD		
a. NAME	a. NAME			a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD)		
Princeton University-Plasma I			grade					2011/08/01		
b. LOCATION (Address and	. LOCATION (Address and ZIP b. NUMBER			b. PHASE						
Princeton, New Jersey	DE-AC02-09	DE-AC02-09CH11466			CD-2			b. TO (YYYYMMDD)		
	c. TYPE	c. TYPE d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMD			YMMDD	2011/08/31		
	M&O			NO X	YES					
1.4 Plasma Diagnostics			_							
BCWS	BCWP	ACWP	SV in	S X in %	CV in \$	CV	%	SPI	CPI	
Cumulative: 7	777 670	738	8 / / -106	-14	%	-68	10%	0.8	6 (
Thresholds Exceeded: (Cumulative So	chedule					_			
	_		_							
Explanation of Variand	ce/Description	of Proble	·m·							
•	•			tral Assaunt	+ 4500 CA 4	IEOO our	aulativa	cohodulo	variance evic	
A cumulative WBS Leve	el 2 variance ex	kists as a re	esult of Con							
A cumulative WBS Leve as a result of several de	el 2 variance ex esign and analy	kists as a re	esult of Con							
A cumulative WBS Leve as a result of several de tasks being behind sche	el 2 variance ex esign and analy	kists as a re	esult of Con							
Explanation of Variand A cumulative WBS Level as a result of several de tasks being behind sche Impact:	el 2 variance ex esign and analy	kists as a re	esult of Con							
A cumulative WBS Leve as a result of several de tasks being behind sche	el 2 variance ex esign and analy	kists as a re	esult of Con							
A cumulative WBS Leve as a result of several de tasks being behind sche Impact:	el 2 variance ex esign and analy edule.	xists as a re	esult of Con eeing behind	schedule. F	Resource av	ailability/	has be	en the ma	in driver for th	
A cumulative WBS Level as a result of several de tasks being behind schellmpact: The schedule delays on	el 2 variance exesign and analyedule.	xists as a re rsis tasks b	esult of Con peing behind ————————————————————————————————————	schedule. F	Resource av	vailability	has be	en the ma	in driver for th	
A cumulative WBS Lever as a result of several detasks being behind schellmpact: The schedule delays on noted that the project is	el 2 variance exesign and analyedule.	xists as a re rsis tasks b	esult of Con peing behind ————————————————————————————————————	schedule. F	Resource av	vailability	has be	en the ma	in driver for th	
A cumulative WBS Level as a result of several de tasks being behind sche Impact: The schedule delays on noted that the project is Corrective Action:	el 2 variance exesign and analy edule. this Control A	xists as a re rsis tasks b ccount are o an accela	esult of Con peing behind ————————————————————————————————————	schedule. F project's criti dule; therefo	Resource av	vailability erefore, irther be	there is	no impact	in driver for the currently. It is a more critical	
A cumulative WBS Level as a result of several detasks being behind schellmpact: The schedule delays on noted that the project is Corrective Action: Physics and Engineerin	el 2 variance exesign and analy edule. this Control A now working to ganalysis pers	xists as a resist tasks be count are an accelation and accelations.	esult of Conceing behind not on the parated schede been assign	oroject's critidule; therefo	cal path; the pre, falling further working or	railability erefore, irther be	there is hind co	no impactuld becom	currently. It is e more critica	
A cumulative WBS Level as a result of several de tasks being behind sche Impact: The schedule delays on noted that the project is Corrective Action:	el 2 variance exesign and analy edule. this Control A now working to ganalysis pers	xists as a resist tasks be count are an accelation and accelations.	esult of Conceing behind not on the parated schede been assign	oroject's critidule; therefo	cal path; the pre, falling further working or	railability erefore, irther be	there is hind co	no impactuld becom	currently. It is e more critica	
A cumulative WBS Level as a result of several detasks being behind schellmpact: The schedule delays on noted that the project is Corrective Action: Physics and Engineerin	el 2 variance exesign and analy edule. this Control A now working to ganalysis pers	xists as a resist tasks be count are an accelation and accelations.	esult of Conceing behind not on the parated schede been assign	oroject's critidule; therefo	cal path; the pre, falling further working or	railability erefore, irther be	there is hind co	no impactuld becom	currently. It is e more critica	
A cumulative WBS Level as a result of several detasks being behind schellmpact: The schedule delays on noted that the project is Corrective Action: Physics and Engineerin Account should not fall a support the FDR.	el 2 variance ex esign and analy edule. I this Control A now working t g analysis pers any further beh	ccount are o an accela	esult of Con peing behind not on the parated sched e been assig an FDR sche	project's critidule; therefo	Resource average path; the ore, falling fure working or ovember the	erefore, inther be in these t ese task	there is hind co asks. It s will ne	no impactuld becom	currently. It is e more critica	
A cumulative WBS Level as a result of several detasks being behind schellmpact: The schedule delays on noted that the project is Corrective Action: Physics and Engineerin Account should not fall a support the FDR.	el 2 variance ex esign and analy edule. I this Control A now working t g analysis pers any further beh	ccount are o an accela	esult of Con peing behind not on the parated sched e been assig an FDR sche	project's critidule; therefo	Resource average path; the ore, falling fure working or ovember the	erefore, inther be in these t ese task	there is hind co asks. It s will ne	no impactuld becom	currently. It is e more critica	
A cumulative WBS Level as a result of several detasks being behind schellmpact: The schedule delays on noted that the project is Corrective Action: Physics and Engineerin Account should not fall a support the FDR. Monthly Summary (to	el 2 variance es esign and analy edule. this Control A now working t g analysis pers any further beh	ccount are o an accela	not on the parated scheon FDR scheon school vars,	project's critidule; therefore and are eduled for Norman and are	cal path; the ore, falling fure working or ovember the	railability erefore, orther be on these t ese task	there is hind corasks. It s will ne	no impact uld becom is felt that eed to be c	currently. It is e more critica this Control completed to	
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A cumulative WBS Leveral destacks being behind schellmpact: The schedule delays on noted that the project is Corrective Action: Physics and Engineerin Account should not fall a support the FDR. Monthly Summary (to	el 2 variance es esign and analy edule. this Control A now working t g analysis pers any further beh	ccount are o an accela	not on the parated scheon FDR scheon school vars,	project's critidule; therefore and are eduled for Norman and are	cal path; the ore, falling fure working or ovember the nd Corrections now available.	railability erefore, orther be on these t ese task	there is hind corasks. It s will ne	no impact uld becom is felt that eed to be c	currently. It is e more critica this Control completed to	
A cumulative WBS Lever as a result of several detasks being behind schellmpact: The schedule delays on noted that the project is Corrective Action: Physics and Engineerin Account should not fall a support the FDR. Monthly Summary (to Resource availability ha	el 2 variance es esign and analy edule. this Control A now working t g analysis pers any further beh	ccount are o an accela	not on the parated scheon FDR sch	project's critidule; therefore and are eduled for Normal Impacts) and e. Resource	cal path; the ore, falling fure working or ovember the nd Corrections now available.	railability erefore, orther be on these t ese task	there is hind corasks. It s will ne	no impact uld becom is felt that eed to be o	currently. It is e more critical this Control completed to	
A cumulative WBS Level as a result of several de tasks being behind sche Impact: The schedule delays on noted that the project is Corrective Action: Physics and Engineerin Account should not fall a support the FDR. Monthly Summary (to	el 2 variance es esign and analy edule. this Control A now working t g analysis pers any further beh	ccount are o an accela	esult of Conceing behind not on the parated scheon assign FDR scheon for the parated scheon	project's critidule; therefore and are eduled for Normal Impacts) and e. Resource	cal path; the ore, falling fure working or ovember the nd Corrections now available.	railability erefore, orther be on these t ese task	there is hind corasks. It s will ne	no impact uld becom is felt that eed to be o	currently. It is e more critica this Control completed to	

			CLASSIFIC	CATION (Wh	en Filled In)	-				
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								FORM APPROVED OMB No. 0704-0188		
a. NAME					a. NAME			a. FROM (YYYYMMDD)		
Princeton University-Plasma Phys DOE-SC-OFES-NSTX Upgrade					NSTX Upgrade	e Project		2011/08/01		
b. LOCATION (A	ddress and ZII	b. NUMBER			b. PHASE					
Princeton, New Jersey		DE-AC02-09CH11466			CD-2 c. EVMS ACCEPTANCE (YYYYMMDE NO X YES			b. TO (YYYYMMDD) D 2011/08/31		
		c. TYPE d. SHARE RATIO M&O								
1305 Ohmic Heat	ing Coll (Chrz	anowski)								
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI	
Cumulative:	1,757	1,617	1,893	-140	-8%	6 -27	7 -17%	0.92	2	0.8
Thresholds Ex										ł
Explanation of										
The time to co			n for the fal	orication of t	the Inner TF	bundle took l	longer then e	xpected.	Analysis time	e
also exceeded	expectation	S								
Impact:										
None- critical to										
The balance of		equired furth	er along in	the coil mai	nufacturing s	chedule. An	alysis is n e ar	completion	1	
Corrective Acti	on:									
None required										
Monthly Summ	nary (to inclu	de technica	causes of	VARs, Impa	acts) and Co	rrective Actio	1 (s)//			
Tool design an	d completion	n of analysis	has taken	longer than	estimated.	There is no i	pect on the	completion	n of activity	
since tooling is	being comp	oleted in ord	er of need.	Analysis sh	nould be com	pjeten in pea	r <i>i</i> term.	6	<u> </u>	
Prepared by:	11 00		9.2	Date:	Approved b	1	1 9/1	Date 2		