			CLASSIFIC	ATION (Whe	en Filled In)				
		CONTRA	CT PERFO	RMANCE F	REPORT			FORM APPR	OVED
	FC	RMAT 5 - EXP	PLANATIONS	AND PROBLE	EM ANALYSES			OMB No. 070)4-0188
1. CONTRACTOR		2. CONTRAC	T		3. PROGRAM			4. REPORT I	PERIOD
a. NAME		a. NAME			a. NAME			a. FROM (Y	YYYMMDD)
Princeton University	y-Plasma Phys	DOE-SC-OFE	S-NSTX Upgr	ade	NSTX Upgrade	Project		2011/06/01	
b. LOCATION (Ad	dress and ZIF	b. NUMBER			b. PHASE				
Princeton, New Jer	sey	DE-AC02-090	CH11466		CD-2			b. TO (YYY	YMMDD)
		c. TYPE	d. SHARE R	ATIO	c. EVMS ACC	EPTANCE	(YYYYMMDD	2011/06/30	
		M&O			ио х	YES	-		
1.3 Auxiliary Syste	ems								
·	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	. 13	32	12	19	151%	20	63%	2.51	2.70
Cumulative:	120	111	36	-9	-7%	75	67%	0.93	3.05
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	377	333	44	12%	0.78	0.90			
Thresholds Exc	eeded: Cur	nulative Co	st		•				
Explanation of '	Variance/De	escription of	Problem:		1				
				PFC tile job	with the sam	e designer, h	nence the ex	spected cos	ts did not show up here.
				•		•		•	is reduced the cost to
design.		, J ,			(r (r				
Impact:		,			1				
None									
140110							1		
Corrective Action	nn'				1		-//		
None required							~ <i>L</i> /		
None required	at this time.						/ X		
Monthly Summ	ary (to inclu	de technical	l causes of V	VARe Impa	acts) and Cor	ective Action	14.1		
•	• (•	•	/ 1	<i>v ' '</i>	le effective	way to do the work.
Water system o			_				aria scrieda	ie enecuve	way to do the work.
Prepared by:	acoign turno	7 7 7 71	/	Date:	Approved by			Date: /	
r repared by.	7/1/		7/13/	COII	Approved by			Date.	13/2011
		<i>-</i>	, ,		1	TOV			•
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			CLASSIFIC	ATION (Who	en Filled In)					
		CONTRA	CT PERFO	RMANCE F	REPORT			FORM APPR	OVED	
	FC	RMAT 5 - EX	PLANATIONS	AND PROBL	EM ANALYSES			OMB No. 070	4-0188	
1. CONTRACTOR		2. CONTRAC	СТ		3. PROGRAM			4. REPORT PERIOD		
a. NAME a. NAME				a. NAME			a. FROM (YYYYMMDD)			
Princeton University-Plasma Phys DOE-SC-OFES-NSTX Upgrade			rade	NSTX Upgrade	Project		2011/06/01			
b. LOCATION (Ad	ddress and ZIF	b. NUMBER			b. PHASE			1		
Princeton, New Je	rsey	DE-AC02-090	CH11466		CD-2			b. TO (YYY	YMMDD)	
		c. TYPE d. SHARE RATIO			c. EVMS ACCEPTANCE (YYYYMMD NO X YES			-		
1.5 Power System	ns									
_	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI	
Current:	30	108	84	77		24	22%	3.54		1.28
Cumulative:	2,164	2,142	1,927	-22	-1%	216	10%	0.99		1.11
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC				
At Complete:	9,359	9,254	105	1%	0.97	0.98				
Thresholds Exc	ceeded: Cur	nulative Co	ost							
Explanation of The busswork design Cost Ac	job used les	s analysis la	abor than w		•			•	with the CSU Coi ted in the plan.	1
Impact:										
None										
Corrective Acti	on:	'								
None required						0 /)			
Monthly Summ					•	/1 4JX				
	for the bussy	work job ove	erlapped wit				of the work.		ed cost to job 550	J1.
Prepared by:		1 7/	13/2011	Date:	Approved by	7: (\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\	Date:	rohan	

			CLASSIFIC	ATION (Who	en Filled In)	·				
		CONTRA	CT PERFO	RMANCE I	REPORT			FORM APPR	OVED	
	FC	RMAT 5 - EX	PLANATIONS	AND PROBL	EM ANALYSES			OMB No. 070)4-0188	
1. CONTRACTOR	R	2. CONTRAC	СТ		3. PROGRAM			4. REPORT	PERIOD	
a. NAME		a. NAME			a. NAME			a. FROM (Y	YYYMMDD)	
Princeton Univers	ity-Plasma Phys	DOE-SC-OF	ES-NSTX Upgi	rade	NSTX Upgrade	Project		2011/06/01	•	
b. LOCATION (A					b. PHASE					
Princeton, New Je	ersey	DE-AC02-090	CH11466		CD-2			b. TO (YYY	YMMDD)	
		c. TYPE M&O	d. SHARE R	ATIO	c. EVMS ACCI	EPTANCE YES	(YYYYMMDE	2011/06/30		
1304 Inner TF Bu	ındle (Chrzano				NO X	120				
100111111011111111111111111111111111111	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI	
Current:	123					•	-4944%			0.02
Cumulative:	1,037	·			·					1.00
	BAC	EAC		VAC in %		CPI to EAC		i		
At Complete:	2,595							1		
Thresholds Ex	_			•		•	•	•		
Explanation of	Variance/De	escription of	Problem:		'					
The contract fo	or machining	& FSW the	Inner TF c	onductors h	as been delay	yed. RFQ has	s been sent	tout and aw	ard date is	
expected by w	eek of July 1	8th.								
Impact:		•			'		\wedge			
Late start in av	warding conti	ract, but neg	gotiations w	ith potential	vendors to m	aintain origin	a schedule	is being dis	cussed.	
Corrective Act	ion:						N			
Negotiations w	vith selected	vendor to re	estore delive	ery dates.			V			
Monthly Sumn	nary (to inclu	de technica	I causes of	VARs, Impa	acts) and Cor	recti √ e A ction	():		_	
The primary	cause is that	the more ti	me was req	uired for ve	ndor evaluation	on and site vis	ts. Contra	ct will be av	varded week of	
July 18th. And	negotations	to maintain	ing original	schedule w	ill be pursued	. 10 1		,		
Prepared by:	4 Cl.	C	Q. 71	Date:	Approved by	. \		Date:	13/2011	

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 a. NAME a. NAME a. FROM (YYYYMMDD) Princeton University-Plasma Phys DOE-SC-OFES-NSTX Upgrade NSTX Upgrade Project 2011/06/01 b. LOCATION (Address and ZIPb. NUMBER b. PHASE CD-2 b. TO (YYYYMMDD) DE-AC02-09CH11466 Princeton, New Jersey c. TYPE d. SHARE RATIO c. EVMS ACCEPTANCE (YYYYMMDD 2011/06/30 M&O NO X YES 1307 CS Casing Assembly (Chrzanowski) ACWP BCWS BCWP SV in \$ SV in % CV in \$ CV % SPI CPI 16 -173% 100% -10 N/A Current: 0 6 6 0.37 Cumulative: 167 157 248 -11 -6% -92 0.63 -58% 0.94 BAC EAC VAC in \$ VAC in % CPI to BAC CPI to EAC At Complete: 904 1.001 -11% 1.14 0.99 Thresholds Exceeded: Cumulative Cost Explanation of Variance/Description of Problem: Analysis costs of the bellows assembly exceeded estimates. The cad design efforts started later than planned because of the lack of Cad designers, but design work will be complete in July. Impact: Low impact. The analysis is now complete and supports the present design. Cad work complete in July. Corrective Action: No corrective action is available to reduce this particular variance. As a result a pegative variance will continue until job has been completed. Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): The primary cause is that the analysis tasks were under estimated. There is no infloact on the design that will be completed by the end of July. Start early procurement in September. Prepared by: Approved by: Date: Date:

CLASSIFICATION (When Filled In)

		CONTRA	CT PERFO	RMANCE F	REPORT			FORM APPR	OVED	
	FO	RMAT 5 - EXI	PLANATIONS	AND PROBLE	EM ANALYSES			OMB No. 070	04-0188	
1. CONTRACTOR		2. CONTRAC	т		3. PROGRAM		4. REPORT PERIOD			
a. NAME		a. NAME			a. NAME			a. FROM (Y	a. FROM (YYYYMMDD)	
Princeton Universit	y-Plasma Phys	DOE-SC-OFE	S-NSTX Upgr	rade	NSTX Upgrade	Project		2011/06/01		
b. LOCATION (Ad					b. PHASE					
Princeton, New Jer	rsey	DE-AC02-090	CH11466		CD-2	•		b. TO (YYY	YMMDD)	
		c. TYPE	d. SHARE R	ATIO	c. EVMS ACCI	EPTANCE	(YYYYMMDD	2011/06/30		
		M&O			NO X	YES	i			
2440 2nd NBI Bea	mline (Denaul	t)								
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI	
Current:	42	40	35	-3	-6%	5	12%	0.94	1.14	
Cumulative:	320	273	176	-47	-15%	97	36%	0.85	1.5	
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC				
			F0	00/	0.00	0.00				
At Complete:	2,589	2,537	52	2%	0.96	0.98				
Thresholds Exc	ceeded: Cun	nulative Sch	nedule, Cum			0.98				
Thresholds Exc Explanation of ' lon dump refurl performed. Des	ceeded: Cum Variance/De bishment ha spite extra m	nulative Sch scription of d minor rew	nedule, Cum Problem: ork due to	nulative Cos	st I differences d	of existing pla	te versus o	•	a machining was I to efficiencies and	
Thresholds Exc Explanation of Ion dump refurl performed. Des good cost perfo	ceeded: Cum Variance/De bishment ha spite extra m	nulative Sch scription of d minor rew	nedule, Cum Problem: ork due to	nulative Cos	st I differences d	of existing pla	te versus o	•	•	
Thresholds Exc Explanation of a lon dump refurl performed. Des good cost performact: Impact: This work has b	ceeded: Cum Variance/De bishment has spite extra mormance. been started	nulative Sch scription of d minor rew achining ov well ahead	nedule, Cum Problem: vork due to overall the ma	dimensiona achining has	t differences on the second se	of existing pla experienced n	te versus o	•	•	
Thresholds Exc Explanation of ' lon dump refurl performed. Des good cost perfo Impact: This work has t Cost performar	beeded: Cum Variance/De bishment has spite extra mormance. been started nce is good b	nulative Sch scription of d minor rew achining ov well ahead	nedule, Cum Problem: vork due to overall the ma	dimensiona achining has	t differences on the second se	of existing pla experienced n	te versus o	•	•	
Thresholds Exc Explanation of a lon dump refurl performed. Des good cost performact: Impact: This work has b	beeded: Cum Variance/De bishment had spite extra mormance. been started nce is good ton:	nulative Sch scription of d minor rew achining ov well ahead out brazing	nedule, Cum Problem: vork due to overall the manning of needed steps yet to	dimensiona achining has delivery for come may	differences of the second shad a very expenses to be amline so not conclude	of existing pla experienced n no impact. in underrun.	te versus o	•	•	
Thresholds Exc Explanation of a lon dump refurl performed. Des good cost performation. Impact: This work has to Cost performation.	bishment has pite extra mormance. been started nce is good ton: Work contin	nulative Sch scription of d minor rew achining ov well ahead out brazing	nedule, Cum Problem: york due to overall the management of needed steps yet to shop and m	dimensiona achining has delivery for come may achining is	differences of the shad a very expenses to be amline so not conclude almost comples.	of existing pla experienced no no impact. in underrun.	te versus o	•	•	
Thresholds Exc Explanation of a lon dump refurl performed. Des good cost performants Impact: This work has the Cost performants Corrective Action	bishment has pite extra mormance. been started nee is good toon: Work continuary (to include	nulative Sch scription of d minor rew achining ov well ahead out brazing nues in the s	nedule, Cum Problem: york due to overall the management of needed steps yet to shop and management of causes of the companion of the causes of the causes of the problem of the causes of the causes of the problem of the causes of the causes of the problem of the causes of the causes of the problem of the prob	dimensiona achining has delivery for come may achining is	differences of had a very element beamline so not conclude almost completes) and Corrects) and Corrects	of existing place properties of experienced in the contract of	te versus o	•	•	

CLASSIFICATION (When Filled In) CONTRACT PERFORMANCE REPORT FORM APPROVED **FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES** OMB No. 0704-0188 1. CONTRACTOR 3. PROGRAM 2. CONTRACT 4. REPORT PERIOD a. NAME a. NAME a. NAMF a. FROM (YYYYMMDD) Princeton University-Plasma Phys DOE-SC-OFES-NSTX Upgrade NSTX Upgrade Project 2011/06/01 b. LOCATION (Address and ZIFb. NUMBER b. PHASE Princeton, New Jersey DF-AC02-09CH11466 CD-2 b. TO (YYYYMMDD) c. TYPE d. SHARE RATIO c. EVMS ACCEPTANCE (YYYYMMDD 2011/06/30 M&O NO X YES 2475 2nd NBI Controls (Cropper) **BCWS** BCWP ACWP SV in \$ SV in % CV in \$ CV % SPI CPI 1097% 90 Current: 95 87 94% 11.97 17.65 248 211 60 -37 -15% 151 71% Cumulative: 0.85 3.50 BAC EAC VAC in \$ VAC in % CPI to BAC CPI to EAC At Complete: 2.089 2.032 0.93 0.95 Thresholds Exceeded: Cumulative Schedule, Cumulative Cost Explanation of Variance/Description of Problem: PERANS TO THE \$1H7 Good efficiency has led to positive cost performance. Availability of COG and designer due to operations and conflicts has produced minor delays. Impact: No impact on controls scope, cost, or schedule. Cost efficiencies are likely to produce an underrun. WAF revised to reflect. Corrective Action: None required. Recent status shows improvement. Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action (s): Variances due to conflicts have been corrected.

Prepared by:

T. Stevenson

Date: 7/7/1 Approved by:

Date: