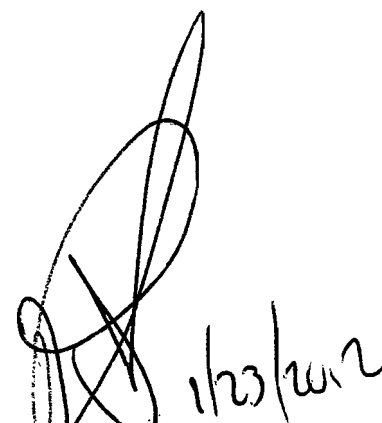


and Problem Analysis

CONTRACT PERFORMANCE REPORT FORMAT 5 - Explanations and Problem Analysis										FORM APPROVED OMB No. 0704-0188	
<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>		<b>3. PROGRAM</b>						<b>4. REPORT PERIOD</b>	
a. NAME Princeton University-Plasma Physics Lab		a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project						a. FROM (YYYYMMDD)  2011 / 12 / 01	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3						b. TO (YYYYMMDD)  2011 / 12 / 31	
		c. TYPE M&O	d. SHARE RATIO	c. EVMS ACCEPTANCE No                      X                      Yes                      (YYYYMMDD) 2011 / 12 / 20							
<b>5. Evaluation</b>											
<b>2475 2nd NBI Controls (Cropper)</b>											
	Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	SPI	CPI		
Cumulative:	248	674	531			143	21%	2.71	1.27		
<p><b>Explanation of Variance/Description of Problem:</b> Variance due to accelerated schedule. Tasks started ahead of baseline schedule.</p> <p><b>Impact:</b> Jop will complete ahead of baseline schedule.</p> <p><b>Corrective Action:</b> None</p> <p><b>Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):</b> Variance will be corrected as the baseline schedula catches up to accelerated schedule.</p>											
Prepared by:  Mark B. Cropper		Digitally signed by Mark B. Cropper DN: cn=Mark B. Cropper, o=Princeton Plasma Physics Lab, ou=NSTX Neutral Beam, email=mcropper@pppl.gov, c=US Date: 2012.01.17 10:42:46 -05'00'			Date:		Approved by: 		Date:		

and Problem Analysis

**CLASSIFICATION (When Filled In)**

**CONTRACT PERFORMANCE REPORT**

**FORMAT 5 - Explanations and Problem Analysis**

**FORM APPROVED**  
**OMB No. 0704-0188**

**4. REPORT PERIOD**

**a. FROM (YYYYMMDD)**

2011 / 12 / 01

**b. TO (YYYYMMDD)**

2011 / 12 / 31

<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>		<b>3. PROGRAM</b>	
<b>a. NAME</b> Princeton University-Plasma Physics Lab		<b>a. NAME</b> DOE-SC-OFES-NSTX Upgrade		<b>a. NAME</b> NSTX Upgrade Project	
<b>b. LOCATION (Address and ZIP Code)</b> Princeton, New Jersey		<b>b. NUMBER</b> DE-AC02-09CH11466		<b>b. PHASE</b> CD-3	
<b>c. TYPE</b> M&O		<b>d. SHARE RATIO</b>		<b>c. EVMS ACCEPTANCE</b> No                      X                      Yes	

**5. Evaluation**

**2490 NTC Equipment Relocations (Perry)**

	Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	SPI	CPI
Cumulative:	481	989	766	508	105%	223	23%	2.06	1.29

**Explanation of Variance/Description of Problem:**

Removals are being performed at an accelerated rate while the field crews wait for the new coil supports to be designed and fabricated.

**Impact:**

Increased schedule contingency for field work.

**Corrective Action:**

None required.

**Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):**

Removals are being performed at an accelerated rate while the field crews wait for the new coil supports to be designed and fabricated. No corrective action is required since this will just increase the schedule contingency for the field work.

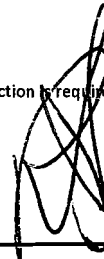
Prepared by:



Date:

1/18/12

Approved by:



1/23/2012

Date:

and Problem Analysis

**CONTRACT PERFORMANCE REPORT**  
**FORMAT 5 - Explanations and Problem Analysis**

**FORM APPROVED**  
**OMB No. 0704-0188**

<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>		<b>3. PROGRAM</b>		<b>4. REPORT PERIOD</b>	
a. NAME Princeton University-Plasma Physics Lab		a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project		a. FROM (YYYYMMDD)  2011 / 12 / 01	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		b. TO (YYYYMMDD)  2011 / 12 / 31	
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE No X Yes		(YYYYMMDD) 2011 / 12 / 20	

**5. Evaluation**

**3200 Water Cooling System Mods (Denault)**

	Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	SPI	CPI
Cumulative:	74	68	37	-6	-8%		45%	0.92	1.87

**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.

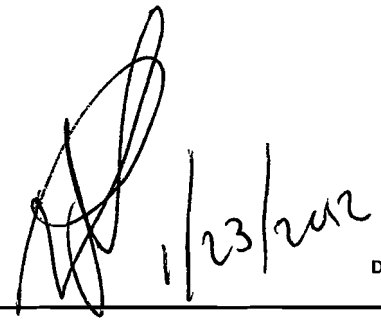
**Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):**  
A positive cost variance has been realized due to savings in system design. There are no corrective actions required at this time.

Prepared by: **MARTIN DENAULT**

Digitally signed by MARTIN DENAULT  
DN: cn=MARTIN DENAULT, o=PPPL,  
ou=WELDING, email=mdenault@pppl.gov, c=US  
Date: 2012.01.23 13:24:18 -05'00'

Date:

Approved by:



Date:

and Problem Analysis

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT

FORMAT 5 - Explanations and Problem Analysis

FORM APPROVED  
 OMB No. 0704-0188

<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>		<b>3. PROGRAM</b>		<b>4. REPORT PERIOD</b>	
a. NAME Princeton University-Plasma Physics Lab		a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project		a. FROM (YYYYMMDD)  2011 / 12 / 01	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		b. TO (YYYYMMDD)  2011 / 12 / 31	
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE No X Yes		(YYYYMMDI 2011 / 12 / 20)	

**5. Evaluation**

**8200 CS & Coil Supt Struct Install (Perry)**

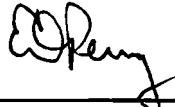
	Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	SPI	CPI
Cumulative:	569	869	655					1.53	1.33

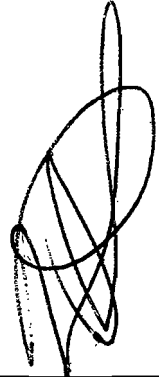
**Explanation of Variance/Description of Problem:**  
 Removal procedures being combined (fewer to prepare and review) and field removals being completed more quickly than estimated.

**Impact:**  
 None

**Corrective Action:**  
 None required

**Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):**  
 Removal procedures being combined (fewer to prepare and review) and field removals being completed more quickly than estimated.

Prepared by:  Date: 1/18/12

Approved by:  Date:

and Problem Analysis

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT

FORMAT 5 - Explanations and Problem Analysis

FORM APPROVED  
OMB No. 0704-0188

4. REPORT PERIOD

a. FROM (YYYYMMDD)

2011 / 12 / 01

b. TO (YYYYMMDD)

2011 / 12 / 31

<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>		<b>3. PROGRAM</b>	
a. NAME Princeton University-Plasma Physics Lab		a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3	
		c. TYPE M&O	d. SHARE RATIO	c. EVMS ACCEPTANCE No X Yes (YYYYMMDDI 2011 / 12 / 20	

5. Evaluation

8210 Field Supervision & Oversight (Perry)

	Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	SPI	CPI
Cumulative:	245	245	145	0	0%			1.00	1.69

Explanation of Variance/Description of Problem:

Work planning not costing as much as anticipated during first months due to time being spent on procedure preparation.

Impact:

None

Corrective Action:

None required.

Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):

Work planning not costing as much as anticipated during first months due to time being spent on procedure preparation.

Prepared by:

Date:

1/18/12

Approved by:

Date: