**CLASSIFICATION (When Filled In)**

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

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

| 1. CONTRACTOR | 2. CONTRACT | | 3. PROGRAM | | 4. REPORT PERIOD |
|---|---|---|---|---|---|
| a. NAME<br>Princeton University-Plasma Physics Lab | a. NAME<br>DOE-SC-OFES-NSTX Upgrade | | a. NAME<br>NSTX Upgrade Project | | a. FROM (YYYYMMDD)<br>2012 / 08 / 01 |
| b. LOCATION (Address and ZIP Code)<br>Princeton, New Jersey | b. NUMBER<br>DE-AC02-09CH11466 | | b. PHASE<br>CD-3 | | b. TO (YYYYMMDD)<br>2012 / 08 / 31 |
| | c. TYPE<br>M&O | d. SHARE RATIO | c. EVMS ACCEPTANCE<br>No X Yes (YYYYMMDI 2011 / 12 / 20 | | |

**5. Evaluation**

**1.3 / 3300 Bakeout System Mods CSU**

| | Budget | Earned | Actuals | SV in $ | SV in % | CV in $ | CV in % | SPI | CPI |
|---|---|---|---|---|---|---|---|---|---|
| Current: | 0 | 0 | 0 | 0 | - | 0 | - | - | - |
| Cumulative: | 5 | 55 | 39 | 50 | 1050% | 15 | 28% | 11.50 | 1.39 |
| | **BAC** | **EAC** | **VAC in $** | **VAC in %** | **TCPI to BAC** | **TCPI to EAC** | | | |
| At Complete: | 79 | 63 | 16 | 20% | 0.61 | 1.02 | | | |

**Explanation of Variance/Description of Problem:**
The bakeout power supply was budgeted for $50K; however, the supply was procured for $33K yielding a significant savings and leading to a positive cost variance.

**Impact:**
No impact other than the cost savings to the project.

**Corrective Action:**
No corrective action required at this time for this positive variance.

**Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):**
Bake out supply has been procured well below the budget cost leading to a positive cost variance.

**Prepared by:** S. Ramakrishnan Digitally signed by S. Ramakrishnan DN: cn=S. Ramakrishnan, o, ou, email=raki@princeton.edu, c=US Date: 2012.09.20 09:03:39 -04'00'

**Date:** 09/20/2012

**Approved by:** Ron Strykowsky Digitally signed by Ron Strykowsky DN: cn=Ron Strykowsky, o, ou=PPPL, email=rstrykow@pppl.gov, c=US Date: 2012.10.01 09:55:04 -04'00'

**Date:**