**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>2013 / 06 / 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>2013 / 06 / 30 |
| | c. TYPE<br>M&O | d. SHARE RATIO | c. EVMS ACCEPTANCE<br>#NAME? No #NAME? Yes (YYYYMMDI #NAME? | |

**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 | 44 | 50 | 1050% | 11 | 20% | 11.50 | 1.25 |
| | BAC | EAC | VAC in $ | VAC in % | TCPI to BAC | TCPI to EAC | | | |
| At Complete: | 79 | 193 | -114 | -144% | 0.69 | 0.16 | | | |

**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. Additionally, the procurement of the power supply was completed long before it was scheduled leading to a positive schedule variance.

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

Additional work to procure and install a new (and smaller) power supply is likely. This will add to the schedule and increase cost for this CA. A WAF and an ECP are currently being prepared by the CAM. R Strykowsky 7/30/2013

**Corrective Action:**
No corrective action required at this time for this positive variance. The schedule variance will self-correct.

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

**Prepared by:** S. Ramakrishnan Digitally signed by S. Ramakrishnan DN: cn=S. Ramakrishnan, o, ou, email=ra@princeton.edu, c=US Date: 2013.07.08 13:45:16 -04'00' **Date:**

**Approved by:** Ron Strykowsky Digitally signed by Ron Strykowsky DN: cn=Ron Strykowsky, o, ou=PPPL, email=rstrykow@pppl.gov, c=US Date: 2013.07.30 09:22:56 -04'00' **Date:**