**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>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>No X Yes (YYYYMMDD 2011 / 12 / 20 | |

**5. Evaluation**

**1.3 / 3200 Water CoolingSystem Mods**

| | Budget | Earned | Actuals | SV in $ | SV in % | CV in $ | CV in % | SPI | CPI |
|---|---|---|---|---|---|---|---|---|---|
| Current: | 0 | 0 | 0 | 0 | - | 0 | - | - | - |
| Cumulative: | 74 | 68 | 38 | -6 | -8% | 30 | 45% | 0.92 | 1.81 |
| | BAC | EAC | VAC in $ | VAC in % | TCPI to BAC | TCPI to EAC | | | |
| At Complete: | 195 | 165 | 31 | 16% | 0.81 | 1.00 | | | |

**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:** Neway D. Atnafu — Digitally signed by Neway D. Atnafu DN: cn=Neway D. Atnafu, o, ou, email=natnafu@pppl.gov, c=US Date: 2013.07.03 14:47:22 -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: 2013.07.25 11:29:44 -04'00' **Date:**