NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT
Engineering Change Proposal (ECP)
Part I To be Completed by Originator

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ECP-058

COVER PAGE

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Originator (CAM) Tresemer

Date Submitted 10/26/2012

ECP No. 058

ECP Title For Control Account 1001 the contract for the machining for Batch 1 of the PFCs came in under budget by ~$90K. For Control Account 2460 there is an increase in job scope

Required Reviewers (Change Control Board)
- ☒ Williams
- ☒ Strykowsky
- ☒ Dudek
- ☒ Stevenson
- ☒ Langish
- ☐ Other...

Change Level 2 Federal Project Director

Approvals

Change Level	Approving Official	Approval	Signature
3	NSTXU Project Manager	■ Yes ☐ No	Ron Strykowsky — Digitally signed by Ron Strykowsky DN: cn=Ron Strykowsky, o, ou=PPPL, email=rstrykow@pppl.gov, c=US Date: 2012.12.03 11:16:07 -05'00'
3a Expedited ECP	NSTXU Engineering Lead	☐ Yes ☐ No	
2	NSTXU Federal Project Dir.	■ Yes ☐ No	Anthony Indelicato — Digitally signed by Anthony Indelicato DN: cn=Anthony Indelicato, o=Princeton Site Office, ou=DOE-PSO, email=aindelicato@pppl.gov, c=US Date: 2012.12.04 10:46:00 -05'00'
1	Associated Director OFES	☐ Yes ☐ No	
0	Deputy Secretary of Energy	☐ Yes ☐ No	

Approval Date 12/04/2012

- **Primavera Updated** ☐
- **Cobra Updated** ☐
- **WAD Updated** ☐
- **RAM Updated** ☐

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PART I

Originator (CAM) Tresemer

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Type of ECP ☒ Standard ☐ Expedited

Type of Change (Check all that apply) ☐ Technical ☒ Cost ☒ Schedule ☐ Editorial ☐ Other

Reason for Change For Control Account 1001 the contract for the machining for Batch 1 of the PFCs came in under budget by ~$90K. For Control Account 2460 there is an increase in job scope

Impacted WBS Elements

- ☒ 1.1
- ☒ 1.2
- ☐ 1.3
- ☐ 1.4
- ☐ 1.5
- ☐ 1.6
- ☐ 1.7
- ☐ 1.8
- ☐ PEP
- ☐ Milestone
- ☐ Other...

Control Accounts

☐ 1000	☐ 1306	☐ 2470	☐ 5000	☐ 8200
☒ 1001	☐ 1307	☐ 2475	☐ 5200	☐ 8210
☐ 1002	☐ 1310	☐ 2480	☐ 5501	☐ 8250
☐ 1200	☐ 2300	☐ 2485	☐ 6100	☐ Other...
☐ 1300	☐ 2420	☐ 2490	☐ 7200	
☐ 1301	☐ 2425	☐ 3200	☐ 7300	
☐ 1302	☐ 2430	☐ 3300	☐ 7400	
☐ 1303	☐ 2440	☐ 3400	☐ 7100	
☐ 1304	☐ 2450	☐ 4100	☐ 7710	
☐ 1305	☒ 2460	☐ 4500	☐ 7900	

Impacts of Change (Briefly Describe) **Cost and schedule**

Impact on Materials Parts Already Manuf. ○ Yes ◉ No

If yes, what is recommended disposition

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Detailed Description of Change

Description of Change

1001: Due to a requisition coming in under budget by ~90K ($92,052.48, exactly), this money can be freed. There is no other impact to this job.

2460: Through a review process, it was found that the NB Armor WP lacked support for many tasks crucial to the success of the NB installation. Some reasons for this oversight lay in the fact that the job had been paused since the Spring 2012 to allow for more important tasks, in other areas of the Upgrade, to be completed. Once the NB Armor installation drew near, it was found that many items were missing from the installation tasks, such as funding for the re-fit of the Bay H port cover and a better breakdown of the installation itself. Costs were added for hardware, additional work to build specialized pieces for the cooling system, and additional installation time. "Scope" was added in that the old items covering the installation of the NB Armor were expanded to show the individual actions and what type of support they would need. This amounted to a larger estimate of time and man hours.

See WAF included in PDF portfolio.

Net contingency draw -$31,640.86 (priced with Primavera)

Submitted by:

Kelsey Tresemer

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Reviewed by:

Lawrence E. Dudek

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Timothy N. Stevenson

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Tim Stevenson

SUBMIT ECP

Do not fill in information below this point

List of Attachments ☐ **Primavera Schedule (Before/After)** ☐ **Cobra (Before/After)** ☐ **Other...**