

NATIONAL SPHERICAL TORUS EXPERIMENT
UPGRADE PROJECT

Engineering Change Proposal (ECP)

Part I To be Completed by Originator

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Log

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ECP-133

COVER PAGE

Originator (CAM) Perry

Date Submitted 10/30/2014

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ECP No. 133

ECP Title Add the following activities in 8250:

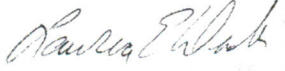
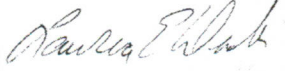
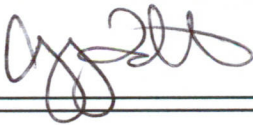
1. Re-machining of TF lead extensions per request of Engineering
2. Health Physics coverage for 8250 tasks

Required Reviewers
(Change Control Board)

☐ Williams ☒ Langish
☒ Strykowski ☐ Other...
☒ Dudek
☐ Stevenson

Change Level 2 Federal Project Director

Approvals

Change Level	Approving Official	Approval	Ron Strykowski
3	NSTXU Project Manager	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	 Digitally signed by Ron Strykowski DN: cn=Ron Strykowski, o, ou=PPPL, email=rstrykow@pppl.gov, c=US Date: 2014.12.04 12:41:41 -05'00'
3a Expedited ECP	NSTXU Engineering Lead	<input type="checkbox"/> Yes <input type="checkbox"/> No	 Digitally signed by Lawrence E. Dudek Date: 2014.11.06 15:25:42 -05'00'
2	NSTXU Federal Project Dir.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	 Anthony J Indelicato 12/4/14
1	Associated Director OFES	<input type="checkbox"/> Yes <input type="checkbox"/> No	
0	Deputy Secretary of Energy	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Approval Date 11/6/2014

Primavera Updated ☐

Cobra Updated ☐

WAD Updated ☐

RAM Updated ☐

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PART I

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Type of ECP ☒ Standard ☐ Expedited

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

Reason for Change Add the following activities in 8250:

1. Re-machining of TF lead extensions per request of Engineering
2. Health Physics coverage for 8250 tasks

Impacted WBS Elements ☐ 1.1 ☐ Milestone
☐ 1.2 ☐ Other...
☐ 1.3
☐ 1.4
☐ 1.5
☐ 1.6
☐ 1.7
☒ 1.8
☐ PEP

Control Accounts ☐ 1000 ☐ 1306 ☐ 2470 ☐ 4501 ☐ 7900
☐ 1001 ☐ 1307 ☐ 2475 ☐ 5000 ☐ 8200
☐ 1002 ☐ 1310 ☐ 2480 ☐ 5200 ☐ 8210
☐ 1200 ☐ 2300 ☐ 2485 ☐ 5501 ☒ 8250
☐ 1300 ☐ 2420 ☐ 2490 ☐ 6100 ☐ Other...
☐ 1301 ☐ 2425 ☐ 3200 ☐ 7200
☐ 1302 ☐ 2430 ☐ 3300 ☐ 7300
☐ 1303 ☐ 2440 ☐ 3400 ☐ 7400
☐ 1304 ☐ 2450 ☐ 4100 ☐ 7100
☐ 1305 ☐ 2460 ☐ 4500 ☐ 7710

Impacts of Change (Briefly Describe) Add costs of re-machining TF lead extensions for new Engineering requirements
Add costs of Health Physics coverage for tasks in 8250

Impact - BL Sched Dur Change

Impact on Materials Parts Already Manuf. ☒ Yes ☐ No

If yes, what is recommended disposition Re-machine TF lead extensions

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Detailed Description of Change

- Description of Change
1. Re-machining of TF lead extensions
288 man-hours of EMC*-TB= $288 * \$107.76 = \$31,034.88$
\$4K M&S = $\$4K * \$1.35 = \$5,400$
11/1/14 - 12/12/14
Total=\$36,434.88
 2. Health Physics coverage of tasks in job 8250
2,160 man-hours of HP= $2160 * \$142.39 = \$307,562.40$
11/1/14 - 1/30/15

Contingency draw: \$343,997.28

Submitted by:

Erik D. Perry

Digitally signed by Erik D. Perry
DN: cn=Erik D. Perry, o, ou,
email=eperry@pppl.gov, c=US
Date: 2014.11.06 15:04:38 -05'00'

Erik Perry

Reviewed by:



Digitally signed by Lawrence
E. Dudek
Date: 2014.11.06 15:26:09
-05'00'

Larry Dudek

SUBMIT ECP

Do not fill in information below this point