

# NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

## Engineering Change Proposal (ECP)

Part I To be Completed by Originator

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ECP-103

### COVER PAGE

Originator (CAM) Chrzanowski

Date Submitted 12/3/2013

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ECP No. 103

ECP Title Add additional task in Control Account 1305 for three (3) additional five gallon kits of CTD 425 are expected to be needed for the VPI of the OH coil

Required Reviewers  
(Change Control Board)

<input type="checkbox"/> Williams	<input checked="" type="checkbox"/> Langish
<input checked="" type="checkbox"/> Strykowski	<input type="checkbox"/> Other...
<input checked="" type="checkbox"/> Dudek	
<input type="checkbox"/> Stevenson	

Change Level 2 Federal Project Director

## Approvals

Change Level	Approving Official	Approval	Signature
3	NSTXU Project Manager	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3a Expedited ECP	NSTXU Engineering Lead	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	NSTXU Federal Project Dir.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
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 12/3/2013

Primavera Updated ☐  
Cobra Updated ☐  
WAD Updated ☐  
RAM Updated ☐

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### PART I

Originator (CAM) Chrzanowski

Date Submitted 12/3/2013

Type of ECP ☒ Standard ☐ Expedited

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

Reason for Change Three (3) additional five gallon kits of CTD 425 are expected to be needed for the VPI of the OH coil

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) Increased cost.

Impact - BL Sched Dur Change

0

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** Add additional task in Control Account 1305 for three (3) additional five gallon kits of CTD 425 are expected to be needed for the VPI of the OH coil.

Cost= \$7,537.60 per kit, 5 kits = \$22,612.80 \* 1.35 =

**Contingency draw = \$30,527.28**

Submitted by:

\_\_\_\_\_  
Jim Chrzanowski

Reviewed by:

\_\_\_\_\_  
Larry Dudek

**SUBMIT ECP**

Do not fill in information below this point

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



COMPOSITE TECHNOLOGY DEVELOPMENT, INC.  
ENGINEERED MATERIAL SOLUTIONS

## QUOTE

**To:**

**Name:** Jim Chrzanowski  
**Email:** jchrzanowski@pppl.gov

**Company:** PPPL  
**Phone:** (609) 243-3051  
**Fax:**

**From:**

**Name:** Holly Babcock  
**Subject:** CTD-425

**Date:** 11/22/2013  
**No. Pages:** 1

☐ **Urgent**

☐ **Please Reply**

☐ **Please Comment**

Quotation #7332-Q094

		\$/lb	\$/Kit
2-4	CTD-425 Five Gallon Kits Each kit contains 70 lbs of material (~7 gallons)	\$107.68	\$7537.60

*(Handwritten: \$7537.60 circled and multiplied by 3)*

Delivery: Standard delivery 3-4 Weeks ARO

Shipped via Fed Ex or preferred to domestic location, pre-pay and add

Terms: Net 30 or Credit Card

Late payments will incur finance fee of 1.5% per month

This Quotation is valid for 60 days from the date of issue

*(Handwritten Signature)*  
Approved: \_\_\_\_\_  
Michael Tupper  
Executive Vice President