

# NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

## Engineering Change Proposal (ECP)

Part I To be Completed by Originator

[Main Menu](#)[Log](#)[Print PDF](#)

ECP-089

### COVER PAGE

Originator (CAM) Chrzanowski

Date Submitted 6/14/2013

[Top](#)

ECP No. 089

ECP Title In job 1305 add two additional tasks. 1) Additional OH conductor 2) Provide dehumidifier for CS HiBay

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 6/18/13

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

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## Engineering Change Proposal (ECP)

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### PART I

Originator (CAM) Chrzanowski

Date Submitted 6/14/2013

Type of ECP ☒ Standard ☐ Expedited

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

Reason for Change In job 1305 add two additional tasks. 1) Additional OH conductor 2) Provide dehumidifier for CS HiBay

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 ☐ 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 Additional costs  
(Briefly Describe)

Impact on Materials Parts Already Manuf. ☐ Yes ☒ No

If yes, what is recommended disposition

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[Main Menu](#)

[Log](#)

[Print PDF](#)

ECP-089

[Detailed Description of Change](#)

**Description of Change** In job 1305 add two additional tasks. 1) Additional OH conductor 2) Provide dehumidifier for CS HiBay

1) Additional OH conductor, cost = \$19,085 \* 1.32 = \$25,192.20, Start June 17, 2013, Finish August 15, 2013, evms rule 0/100.

2) Provide dehumidifier (relocation) for CS HiBay, cost= \$4,400 \* 1.32 = \$5,808, Start June 17th, finish July 15, 2013, evms rule 50/50.

**Total contingency draw: \$31,000.20**

Submitted by:

\_\_\_\_\_  
Steve Raftopoulos for 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...