NATIONAL SPHERICAL TORUS EXPERIMENT **UPGRADE PROJECT**

Engineering Change Proposal (ECP) Part I To be Completed by Originator

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| | | ECP-105 | | | | | | | | | | |
|--|----------------------------|----------------|---|---|--|--|--|--|--|--|--|--|
| COVER PA | GE | | |) | | | | | | | | |
| Originator (CAM) | Chrzanowski | Date Submitted | 12/12/2013 Top | J | | | | | | | | |
| Required Reviewers (Change Control Board Change Leve | ⊠ Williams | ECP Title | In Control Account 1305 add tasks previously identified to baseline. These are tasks identified by the CAM that occur after the OH VPI. They have been shown in the current schedule and EAC for some time. | у | | | | | | | | |
| Approvals | | | | | | | | | | | | |
| Change Level Approving Official Approval Signature | | | | | | | | | | | | |
| 3 | NSTXU Project Manager | ☐ Yes ☐ No | | | | | | | | | | |
| 3a Expedited ECP | NSTXU Engineering Lead | ☐ Yes ☐ No | | | | | | | | | | |
| 2 | NSTXU Federal Project Dir. | ☐ Yes ☐ No | | | | | | | | | | |
| 1 | Associated Director OFES | ☐ Yes ☐ No | | | | | | | | | | |

☐ Yes ☐ No

Approval Date

Deputy Secretary of Energy

0

| Primavera Updated | |
|-------------------|--|
| Cobra Updated | |
| WAD Updated | |
| RAM Updated | |

NATIONAL SPHERICAL TORUS EXPERIMENT **UPGRADE PROJECT**

Engineering Change Proposal (ECP) Part I To be Completed by Originator



ECP-105

| PART I Originator (CAM) | Chrzanowski | Date Submitted 12/12/2013 |
|---|---|---------------------------|
| Type of ECP | Standard ☐ Expedited | |
| Type of Change (Check all that apply) | ☐ Technical ☐ Cost ☐ Schedule ☐ Editorial | I ☐ Other |
| Reason for Change | In Control Account 1305 add tasks previously identified by the CAM that occur after the OH VPI. current schedule and EAC for some time. | |
| Impacted WBS Elements | □ 1.1 | |
| 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 □ 7710 ⋈ 1305 □ 2460 □ 4500 □ 7710 | |
| Impacts of Change (Briefly Describe) Impact - BL Sched Dur Change | Increased costs. | |
| Impact on Materials arts Already Manuf. If yes, what is | | |

recommended disposition

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ECP-105

Detailed Description of Change

Larry Dudek

| Description of Change | · |
|-----------------------|-------------------------------|
| | See attached schedule. |
| | Contingency draw: \$47,414.40 |
| | Submitted by: |
| | Jim Chrzanowski |
| | Reviewed by: |
| | |

SUBMIT ECP

Do not fill in information below this point

| Activity ID | Activity Name | Oria | Act % | Start | Finish | BL Finish | Remaining | evms | Total ECP | | | | | | | | | | | | | | | | | |
|-----------------|--|------|-------|-----------|-----------|-----------|-------------|------|-----------|---|---|-----|-----------------|------------------|-----|------|---|---|-----|---|-----|------|----|----|----|-------|
| , | 1 | Dur | | | | | Total Cost | | Float | | | | | 2014 | 4 | | | | | | | 2015 | 5 | | | 201 |
| | | | · | | | | | | | J | F | M A | M | JJ | JΑ | S | N | D | J F | M | A M | J | JA | SO | NΓ | D J I |
| NSTX Upgrade | Project | 9 | | 08-May-14 | 21-May-14 | | \$47,414.40 | | -48 | | | | | | | | | | | | | | | | | |
| Job: 1305 - OF | IMIC Heating Coil (OH)-CHRZA | 9 | | 08-May-14 | 21-May-14 | | \$47,414.40 | | -48 | | | | | | | | | | | | | | | | | |
| TF/OH Fabricati | on | 9 | | 08-May-14 | 21-May-14 | | \$47,414.40 | | -48 | | | | | | | | | | | | | | | Т | | |
| CS High Bay | | 9 | | 08-May-14 | 21-May-14 | | \$47,414.40 | | -48 | | | | | | | | | | | | | | | | | |
| 1305-8800B | Lower/apply wet layup around U/L crown regions (cont 2 shft) | 0 | 0% | 08-May-14 | 08-May-14 | | \$9,698.40 | E | -48 04 | | | | EI | M// | ТВ= | 90 | | | | | | | | | | |
| 1305-8800G | Install U/L TF fittings and bulkhead | 0 | 0% | 08-May-14 | 08-May-14 | | \$16,164.00 | E | -42 04 | | | | , EI | Μ// [.] | ТВ= | 150 | | | | | | | | | | |
| 1305-8800H | Hydrostat TF fittings | 0 | 0% | 08-May-14 | 08-May-14 | | \$4,310.40 | E | -39 04 | | | | _I EI | M// | ТВ= | 40 | | | | | | | | | | |
| 1305-8800E | Install upper silicone band between OH/TF (cont 2 shft) | 0 | 0% | 20-May-14 | 20-May-14 | | \$4,310.40 | E | -48 04 | | | | E | ΕΜ/ , | /тв | =40 | | | | | | | | | | |
| 1305-8800F | Install belleville washer assly & reinst lwr sup (cont 2 shft) | 0 | 0% | 21-May-14 | 21-May-14 | | \$12,931.20 | E | -48 04 | | | | ı | EMI/ | /тв | =120 | | | | | | | | | | |