

Statement of Work for the NSTX-U Test Cell Labyrinth Sprinkler I

Statement of Work: NSTXU_1-8-1-1-6_SOW_100

REVISION 0

October 14, 2019

PREPARED BY: **Tom Jernigan** 10/4/2019 12:21:36 PM

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REVIEWED BY: **Mark B. Cropper** 10/9/2019 9:40:09 AM

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REVIEWED BY: **Tom Jernigan** 10/9/2019 9:40:40 AM

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REVIEWED BY: **Timothy N. Stevenson** 10/10/2019 9:58:45 AM

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REVIEWED BY: **William V. Slavin** 10/11/2019 12:04:00 PM

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REVIEWED BY: **Kevin Cortes** 10/11/2019 3:29:12 PM

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APPROVED BY: **Leslie Hill** 10/14/2019 12:48:41 PM

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PRINCETON PLASMA PHYSICS LABORATORY
P.O. BOX 451
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**JOB ORDER STATEMENT OF WORK
FOR
BASIC ORDERING AGREEMENT (BOA)**

Title: NSTX-U Test Cell Labyrinth Sprinkler Installation

CAT: A2

NSTXU_1-8-1-1-6_SOW_100

Revision 0

10/9~~1~~/2019

Requisition No.: 421438

PREPARED BY: Tom Jernigan, APM

REVIEWED BY: Mark Cropper, COG

REVIEWED BY: Tim Stevenson, Responsible Engineer

REVIEWED BY: ES&H

REVIEWED BY: QA

APPROVED BY: Les Hill, Project Manager

**PRINCETON PLASMA PHYSICS LABORATORY
P.O. BOX 451
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609-243-2000**

1.0 SCOPE OF WORK

- 1.1 The Subcontractor shall provide all materials, labor, supervision, equipment, and expertise required to install fire protection sprinklers in the newly-constructed NSTX Test Cell labyrinth as detailed on the approved PPPL drawings, Reference 3.2 herein.

2.0 ATTACHMENT(S)

Attachment 1 - Deliverables List

3.0 REFERENCE(S)

- 3.1 C/D-FAC-SOW-135, Rev. 2, dated February 19, 2018
- 3.2 PPPL Drawing D-FA1062 (4 sheets), South High Bay Area Labyrinth Sprinkler and Egress Design
- 3.3 PPPL Drawing E-FA1009, NSTX Platform Sprinkler Layout

4.0 GENERAL REQUIREMENTS:

Upon receipt of an appropriate BOA Job Order, Subcontractor agrees to perform the Work required by this Job Order Statement of Work, and any other documents included or referenced therein or elsewhere in this Job Order Statement of Work.

5.0 SPECIAL REQUIREMENTS:

- 5.1 Prior to submitting price quotation for this work, the Subcontractor shall visit the work site to ensure he/she understands the full scope of work and site conditions.
- 5.2 ~~Refer to Attachment 2 for additional Technical Requirements. Work will be performed and monitored by a PPPL Installation Procedure (IP) which the Subcontractor will be provided for review, comment and concurrence prior to commencement of Work~~Personnel supervising work shall have a minimum of National Institute for Certification in Engineering Technologies (NICET) Level 2 certification.
- 5.3 PPPL will provide necessary Work Permits and Installation Procedures, and coordinate affected fire protection system outage/impairment.
- 5.4 PPPL will identify Hold Points in the aforementioned IP above at critical points in the system installation to allow PPPL to verify that Work may continue. Examples of hold points will be the verification of material compliance with the referenced PPPL drawings.

Attachment 1 - Deliverables List

| # | Physical Deliverables Required | When Deliverable Is Required | Deliverable Received (✓) |
|-------------------------|--|------------------------------|--------------------------|
| 1 | Install sprinkler system in accordance with PPPL drawings identified in section 3.0 herein | Work completion | |
| Exceptions: None | | | |

| # | Document Deliverables Required | When Deliverable Is Required | Deliverable format (paper, electronic etc.) | Storage Location for Deliverable | Deliverable Received (✓) |
|-------------------------|--|------------------------------|---|----------------------------------|--------------------------|
| 1 | Job-specific Job Hazard Analysis (JHA) | Before start of work | Electronic or paper | Ops Center | |
| <u>2</u> | <u>Evidence of Supervisor's NICET Certification (Level 2 or higher)</u> | <u>Before start of work</u> | <u>Electronic or paper</u> | <u>Ops Center</u> | |
| <u>3</u> | Catalog cut sheets for sprinkler heads, pipe, valves, fittings and hangers | Prior to installation | Electronic or paper | Ops Center | |
| Exceptions: None | | | | | |

Princeton Technical Representative: _____

(Sign-off and provide to the Operations Center when job is completed and deliverables are dispositioned and placed/filed in Operations Center (or other Project, Department or Division designated file center)