

National Synchrotron Light Source II, Brookhaven National Laboratory			
Doc No. PS-C-XFD-PRC-005	Author: B. Heneveld	Effective Date: 13Nov2015 Review Frequency: 3 yrs	Version 3
Title: Beamline Enclosures and Cryogen Fill Station ODH Monitoring and Alarm System Certification and Inspection			Technical

Attachment B

Beamline Enclosures and Cryogen Fill Station ODH Monitoring and Alarm System Certification

Beamline Enclosure/Cryogen Fill Station 18 IWA

Pre-test Conditions

The following have been notified that the test will be performed:

Yes No

- Staff at the testing location
- Staff in adjacent areas
- Control Room
- FLOCO

Monitor Display indicating 20.4% – 21.4% oxygen

Yes No

Announcement made over PA system

Yes No

All enable lights are illuminated

Yes No

Test Conditions with Challenge Gas

Monitor display indicating less than 18% oxygen

Yes No

Audible and visual alarm activated inside enclosure/fill station

Yes No

Audible and visual alarm activated outside enclosure/fill station at each entrance

Yes No

Communication with Control Room readily available or automated

Yes No

Return to Normal Operation

Monitor Display indicating 20.4% – 21.4% oxygen

Yes No

Audible and visual alarm deactivated inside enclosure/fill station

Yes No

Audible and visual alarm deactivated outside enclosure/fill station at each entrance

Yes No

Note: Signatures below indicate that the test has been completed.

Test Reason: <u>Initial Certification</u>	Test Result: <input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed
Test Date: <u>1/5/17</u>	Start Time: <u>9:25</u> Finish Time: <u>9:40</u>
Tester: <u>Brian Heneveld</u>	Assistant: <u>Gabrielle Stove</u>
Tester Signature: <u>Brian Heneveld</u>	Assistant Signature: <u>Gabrielle Stove</u>
Technical Authority: <u>Steve LaMarr</u>	Technical Authority Signature: <u>Steve LaMarr</u>

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Attachment A

Beamline Enclosures and Cryogen Fill Station ODH Monitoring and Alarm System Inspection Data Sheet

Enclosure/Cryogen Fill Station 1B10A

- Monitor display indicating 20.4% – 21.4% oxygen Yes No
- Monitor is securely mounted Yes No
- Diffusion port is free of dust or other material accumulation Yes No
- All enable lights are illuminated Yes No
- All conduit containing power and alarm cables are intact and secure Yes No
- Zirconium O₂ sensor is within 10 years of service Yes No

Maintenance activities to be performed (if required):

None

Note: Signatures below indicate that the inspection has been completed.

Inspection Reason: <u>Initial Certification</u>	Inspection Result: <input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed	
Inspection Date: <u>1/5/17</u>	Start Time: <u>9:10</u>	Finish Time: <u>9:25</u>
Inspector: <u>Brian Heneveld</u>	Assistant: <u>Gabrielle Stove</u>	
Inspector Signature: <u>Brian Heneveld</u>	Assistant Signature: <u>Gabrielle Stove</u>	
Technical Authority: <u>Steve Lamanna</u>	Technical Authority Signature: <u>Steve Lamanna</u>	