

Brookhaven National Laboratory/ Photon Sciences Directorate			
Subject:	NSLS-II Beamline 23-ID Radiation Safety Component Checklist		
Number:	PS-R-XFD-CHK-001	Revision:	4
		Effective:	9/21/2015
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Check the following items in the FOE (23-ID-A)

- 23IDA-LBYR-01 Check labyrinth is secured closed and labeled.
- 23IDA-MSK-01 Check mask is in place, labeled and cooling water connected.
- 23IDA-LBYR-02 Check labyrinth is secured closed and labeled.
- 23IDA-LBYR-03 Check labyrinth is secured closed and labeled.
- 23IDA-MSK-02 Check mask is in place, labeled and cooling water connected.
- 23IDA-MSK-03 Check mask is in place, labeled and cooling water connected.
- 23IDA-MSK-04 Check mask is in place, labeled and cooling water connected.
- 23IDA-MSK-05 Check mask is in place, labeled and cooling water connected.
- 23IDA-MSK-06 Check mask is in place, labeled and cooling water connected.
- 23IDA-MSK-07 Check mask is in place, labeled and cooling water connected.
- 23IDA-MSK-08 Check mask is in place, labeled and cooling water connected.
- 23IDA-MSK-09 Check mask is in place, labeled and cooling water connected.
- 23IDA-PSH-01 Check photon shutter is in place and labeled.
- 23IDA-PSH-02 Check photon shutter is in place and labeled.
- #1 23IDA-BRS-01 Check shielding is in place and labeled as per photograph.
- 23IDA-GU-01 Check hutch guillotine is secured closed and labeled as per photograph.
- 23IDA-GU-02 Check hutch guillotine is secured closed and labeled as per photograph.

Check the following on the roof of the FOE 23-ID-A

- 23IDA-LBYR-04 Check roof cable/utility access labyrinth is secured closed and labeled.
- 23IDA-LBYR-05 Check roof cable/utility access labyrinth is secured closed and labeled.
- 23IDA-LBYR-06 Check roof cable/utility access labyrinth is secured closed and labeled.
- 23IDA-LBYR-07 Check roof cable/utility access labyrinth is secured closed and labeled.
- 23IDA-LBYR-08 Check roof cable/utility access labyrinth is secured closed and labeled.
- 23IDA-LBYR-09 Check roof cable/utility access labyrinth is secured closed and labeled.

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Check the following in the exclusion zone on 23-ID-1 (outboard):

The following section does NOT need to be verified subject to SSWP# _____ and LOTO has been applied to the Beamline Photon Shutter.

Lead Beamline Scientist (signature): _____ **Date:** _____

- 23ID1-VA-01 Check vacuum pipe is in place.
- 23ID1-CLLR-01 Check collar is in place and labeled.
- 23ID1-CLLR-02 Check collar is in place and labeled.
- 23ID1-CLLR-03 Check collar is in place and labeled.
- 23ID1-CLLR-04 Check collar is in place and labeled.
- 23ID1-SW-01 Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.
- 23ID1-VA-02 Check vacuum pipe is in place and labeled.
- 23ID1-CLLR-05 Check collar is in place and labeled.
- 23ID1-CLLR-06 Check collar is in place and labeled.
- 23ID1-VWPT-01 Check leaded glass is in place in viewport and labeled.
- 23ID1-SW-02 Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.
- 23ID1-VA-03 Check vacuum pipe is in place and labeled.
- 23ID1-CLLR-07 Check collar is in place and labeled.
- 23ID1-CLLR-08 Check collar is in place and labeled.
- 23ID1-MSK-01 Check mask is in place, labeled and cooling water connected.
- 23ID1-VWPT-02 Check leaded glass is in place in viewport and labeled.
- 23ID1-MSK-02 Check mask is in place, labeled and cooling water connected.
- 23ID1-MSK-03 Check mask is in place and labeled.
- 23ID1-VWPT-03 Check leaded glass is in place in viewport and labeled.
- 23ID1-SW-04 Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.

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The following are located on the inboard side of the 23-ID-1 branch in the exclusion zone.

- 23ID1-VWPT-04 Check leaded glass is in place in viewport and labeled.
- 23ID1-SW-03 Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.

The following are located on the 23-ID-1 floor area.

- 23ID1-PSH-01 Check photon shutter is in place and labeled.

Check the following in the exclusion zone on 23-ID-2 (inboard):

The following section does NOT need to be verified subject to SSWP# _____ and LOTO has been applied to the Beamline Photon Shutter.

Lead Beamline Scientist (signature): _____ **Date:** _____

- 23ID2-VA-01 Check vacuum pipe is in place and labeled.
- 23ID2-CLLR-01 Check collar is in place and labeled.
- 23ID2-CLLR-02 Check collar is in place and labeled.
- 23ID2-CLLR-03 Check collar is in place and labeled.
- 23ID2-VWPT-01 Check leaded glass is in place in viewport and labeled.
- 23ID2-CLLR-04 Check collar is in place and labeled.
- 23ID2-SW-01 Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.
- 23ID2-MSK-01 Check mask is in place, labeled and cooling water connected.
- 23ID2-SW-02 Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.
- 23ID2-VWPT-02 Check leaded glass is in place in viewport and labeled.
- 23ID2-MSK-02 Check mask is in place, labeled and cooling water connected.
- 23ID2-MSK-03 Check mask is in place and labeled.
- 23ID2-PSH-01 Check photon shutter is in place and labeled.

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The following are located on the outboard side of the 23-ID-2 branch in the exclusion zone.

- 23ID2 - VWPT - 03 Check leaded glass is in place in viewport and labeled.
- 23ID2 - VWPT - 04 Check leaded glass is in place in viewport and labeled.

Check the following in the 23-ID-1 floor area:

The following section does NOT need to be verified subject to SSWP# _____ and LOTO has been applied to the Beamline Photon Shutter.

Lead Beamline Scientist (signature): _____ **Date:** _____

- 23ID1 - SW - 05 Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.
- 23ID1 - SW - 06 Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.
- 23ID1 - FLG - 01 Check blank 2.75" CFF flange is installed.

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Check the following in the 23-ID-2 floor area:

The following section does NOT need to be verified subject to SSWP# _____ and LOTO has been applied to the Beamline Photon Shutter.

Lead Beamline Scientist (signature): _____ **Date:** _____

- 23ID2-SW-03** Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.
- 23ID2-SW-04** Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.
- 23ID2-SW-05** Check pair of PPS vacuum switches are in place, valve to chamber is open and labeled.
- 23ID2-FLG-01** Check blank 1.33" CFF flange is installed.

9/21/2015

9/23/2015

X Robert Chmiel

Robert Chmiel
Safety Officer
Signed by: Chmiel, Robert

X 

Stuart Wilkins
CSX Lead Beamline Scientist
Signed by: Wilkins, Stuart

Inspected by

Print Name _____ Signature: _____ Date: _____

******* Removal or Modification of any Device under Configuration Control Requires an Approved PS Safety System Work Permit *******