

Brookhaven National Laboratory/ National Synchrotron Light Source II			
Subject:	NSLS-II Beamline 11-BM Radiation Safety Component Checklist		
Number:	PS-R-XFD-CHK-014	Revision: 1	Effective: 10Aug2016 Page: 1 of 3

Configurations must match the associated photograph located near the checkpoint when so stated in the checklist.

Check the following in 11BMA (FOE):

- #01 11BMA-MSK-01 Check white beam mask is in place, labeled, with cooling water connected as per photograph.
- #02 11BMA-CO-01 Check tungsten Bremsstrahlung collimator chamber is in place and labeled as per photograph.
- #03 11BMA-WBS-01 Check white beam stop #1 is in place, labeled, with cooling water connected as per photograph.
- #04 11BMA-SBRS-01 Check secondary Bremsstrahlung radiation shield #1 is in place and labeled as per photograph.
- #05 11BMA-SBRS-02 Check secondary Bremsstrahlung radiation shield #2 is in place and labeled as per photograph.
- #06 11BMA-WBS-02 Check white beam stop #2 is in place, labeled, with cooling water connected as per photograph.
- #07 11BMA-BRS-01 Check Bremsstrahlung stop is in place and labeled as per photograph.
- #08 11BMA-PSH-01 Check photon shutter is in place and labeled as per photograph.
- #09 11BMA-GU-01 Check hutch guillotine is in place and labeled as per photograph.
- #10 11BMA-LBYR-01 Check PPS cable labyrinth is securely closed and labeled.

Check the following on the roof of 11BMA:

- #11 11BMA-LBYR-02 Check roof labyrinth is securely closed and labeled.
- #12 11BMA-LBYR-03 Check roof labyrinth is securely closed and labeled.
- #13 11BMA-LBYR-04 Check roof labyrinth is securely closed and labeled.
- #14 11BMA-LBYR-05 Check roof labyrinth is securely closed and labeled.
- #15 11BMA-LBYR-06 Check roof labyrinth is securely closed and labeled.

Check the following between 11BMA and 11BMB:

- #16 11BMA-CLLR-01 Check hutch interface is in place and labeled as per photograph.

Subject:	NSLS-II Beamline 11-BM Radiation Safety Component Checklist		
Number:	PS-R-XFD-CHK-014	Revision: 1	Effective: 10Aug2016
			Page: 2 of 3

- #17 11BM-VA-01 Check shielded transport pipe is in place and labeled.
- #18 11BM-SFE-01 Check shielded flange enclosure is in place and labeled as per photograph.
- #19 11BM-VA-02 Check shielded transport pipe is in place and labeled.
- #20 11BM-SPE-01 Check shielded ion pump enclosure and labyrinth cover (bottom) are in place and labeled as per photograph.
- #21 11BM-VA-03 Check shielded transport pipe is in place and labeled.
- #22 11BM-SFE-02 Check shielded flange enclosure is in place and labeled as per photograph.
- #23 11BM-VA-04 Check shielded transport pipe is in place and labeled.
- #24 11BM-SPE-02 Check shielded ion pump enclosure and labyrinth cover (bottom) are in place and labeled as per photograph.
- #25 11BM-VA-05 Check shielded transport pipe is in place and labeled.
- #26 11BMB-CLLR-01 Check hutch interface is in place and labeled as per photograph.

Check the following in 11BMB:

- #27 11BMB-GU-01 Check hutch guillotine is in place and labeled as per photograph.
- #28 11BMB-LBYR-01 Check user labyrinth is securely closed and labeled.
- #29 11BMB-STP-01 Check monochromatic beam stop is in place and labeled.

Check the following on the roof of 11BMB:

- #30 11BMB-LBYR-02 Check roof labyrinth is securely closed and labeled.
- #31 11BMB-LBYR-03 Check roof labyrinth is securely closed and labeled.
- #32 11BMB-LBYR-04 Check roof labyrinth is securely closed and labeled.
- #33 11BMB-LBYR-05 Check roof labyrinth is securely closed and labeled.
- #34 11BMB-LBYR-06 Check roof labyrinth is securely closed and labeled.

Subject:	NLS-II Beamline 11-BM Radiation Safety Component Checklist			
Number:	PS-R-XFD-CHK-014	Revision: 1	Effective: 10Aug2016	Page: 3 of 3

7/21/2016

7/19/2016

X Robert Chmiel

Robert Chmiel
Safety Officer
Signed by: Chmiel, Robert

X Masafumi Fukuto

Masafumi Fukuto
11-BM Lead Beamline Scientist
Signed by: Fukuto, Masafumi

Inspection Performed By:

Print Name _____ Signature: _____ Date: _____

*****Removal of any radiation safety components or opening of any locks listed on this checklist requires posting an approved NLS-II Safety System Work Permit*****