

Brookhaven National Laboratory/ National Synchrotron Light Source II						
Subject:	NSLS-II Beamline 7-BM Radiation Safety Component Checklist					
Number:	NSLSII-R-XFD-CHK-021	Revision:	1	Effective:	25AUG2017	Page: 1 of 3

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

Check the following on the roof of 7-BM-A:

- #01 7BMA-LBYR-01 Check roof labyrinth 1 is securely closed and labeled.
- #02 7BMA-LBYR-02 Check roof labyrinth 2 is securely closed and labeled.
- #03 7BMA-LBYR-03 Check roof labyrinth 3 is securely closed and labeled.
- #04 7BMA-LBYR-04 Check roof labyrinth 4 is securely closed and labeled.
- #05 7BMA-LBYR-05 Check roof labyrinth 5 is securely closed and labeled.

Check the following on the roof of 7-BM-B:

- #06 7BMB-LBYR-01 Check roof labyrinth 1 is securely closed and labeled.
- #07 7BMB-LBYR-02 Check roof labyrinth 2 is securely closed and labeled.
- #08 7BMB-LBYR-03 Check roof labyrinth 3 is securely closed and labeled.
- #09 7BMB-LBYR-04 Check roof labyrinth 4 is securely closed and labeled.
- #10 7BMB-DUCT-01 Check exhaust duct is in place and labeled.
- #11 7BMB-DUCT-02 Check air handler duct is in place and labeled.

Check the following on the roof of 7-BM-C:

- #12 7BMC-LBYR-01 Check roof labyrinth 1 is securely closed and labeled.
- #13 7BMC-LBYR-02 Check roof labyrinth 2 is securely closed and labeled.
- #14 7BMC-LBYR-03 Check roof labyrinth 3 is securely closed and labeled.
- #15 7BMC-LBYR-04 Check roof labyrinth 4 is securely closed and labeled.
- #16 7BMC-DUCT-01 Check exhaust duct is in place and labeled.
- #17 7BMC-DUCT-02 Check air handler duct is in place and labeled.

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Check the following in 7-BM-A (FOE):

- #18 7BMA-MSK-01 Check that fixed mask 1 is in place and labeled.
- #19 7BMA-BRS-01 Check that primary Bremsstrahlung stop is in place and labeled as per photograph.
- #20 7BMA-MSK-02 Check that fixed mask 2 is in place and labeled.
- #21 7BMA-PBS-01 Check pink beam stop is in place and labeled.
- #22 7BMA-LBYR-06 Check PPS cable labyrinth is securely closed and labeled.
- #23 7BMA-PSH-01 Check photon shutter is in place and labeled.
- #24 7BMA-GU-01 Check hutch guillotine is in place and labeled as per photograph.

Check the following between 7-BM-A and 7-BM-B:

- #25 7BMA-CLLR-01 Check FOE hutch collar shield is in place and labeled as per photograph.
- #26 7BM-VA-01 Check shielded transport pipe is in place and labeled.
- #27 7BM-SPE-01 Check enclosure is labeled with all shields and labyrinth (below enclosure) installed as per photograph
- #28 7BM-VA-02 Check shielded transport pipe is in place and labeled.
- #29 7BMB-CLLR-02 Check end station hutch collar shield is in place and labeled as per photograph.

Check the following in 7-BM-B:

- #30 7BMB-GU-02 Check hutch guillotine with beam pipe is in place and labeled as per photograph.

Check the following in 7-BM-C:

- #31 7BMC-LBYR-05 Check user labyrinth is securely closed and labeled.
- #32 7BMC-STP-01 Check monochromatic beam stop is in place and labeled.

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8/24/2017

8/25/2017

X Steven N. Ehrlich
 Steve Ehrlich
 7-BM Lead Beamline Scientist
 Signed by: Ehrlich, Steven

X Mary Carlucci-Dayton (per ...
 Mary Carlucci-Dayton
 Technical Authority
 Signed by: Rubino, Kristen

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 NSLS-II Safety System Work Permit*****