

Brookhaven National Laboratory/ National Synchrotron Light Source II						
Subject:	NSLS-II Beamline 6-BM Radiation Safety Component Checklist					
Number:	PS-R-XFD-CHK-019	Revision:	1	Effective:	19JUL2017	Page: 1 of 2

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

Check the following on the roof of 6BMB:

- #01 ☐ 6BMB-LBYR-01 Check roof labyrinth 1 is securely closed and labeled.
- #02 ☐ 6BMB-LBYR-02 Check roof labyrinth 2 is securely closed and labeled.
- #03 ☐ 6BMB-LBYR-03 Check roof labyrinth 3 is securely closed and labeled.
- #04 ☐ 6BMB-LBYR-04 Check roof labyrinth 4 is securely closed and labeled.
- #05 ☐ 6BMB-DUCT-01 Check exhaust duct is in place and labeled.
- #06 ☐ 6BMB-DUCT-02 Check air handler duct is in place and labeled.

Check the following on the roof of 6-BM-A:

- #07 ☐ 6BMA-DUCT-01 Check rubber collar on air handler duct is in place and labeled.
- #08 ☐ 6BMA-LBYR-01 Check roof labyrinth 1 is securely closed and labeled.
- #09 ☐ 6BMA-LBYR-02 Check roof labyrinth 2 is securely closed and labeled.
- #10 ☐ 6BMA-LBYR-03 Check roof labyrinth 3 is securely closed and labeled.
- #11 ☐ 6BMA-LBYR-04 Check roof labyrinth 4 is securely closed and labeled.

Check the following in 6-BM-A (FOE):

- #12 ☐ 6BMA-FAM-01 Check that the flange containing the fixed mask is in place and labeled.
- #13 ☐ 6BMA-SBRS-01 Check that secondary Bremsstrahlung radiation shield #1 is in place and labeled as per photograph.
- #14 ☐ 6BMA-LBYR-05 Check PPS cable labyrinth is securely closed and labeled.
- #15 ☐ 6BMA-PBS-01 Check pink beam stop is in place and labeled as per photograph.
- #16 ☐ 6BMA-BRS-01 Check primary Bremsstrahlung stop is in place and labeled as per photograph.
- #17 ☐ 6BMA-SBRS-02 Check secondary Bremsstrahlung radiation shield #2 is in place and labeled as per photograph.
- #18 ☐ 6BMA-SBRS-03 Check secondary Bremsstrahlung radiation shield #3 is in place and labeled as per photograph.

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#19 ☐ 6BMA-PSH-01 Check photon shutter is in place and labeled as per photograph.

#20 ☐ 6BMA-GU-01 Check hutch guillotine is in place and labeled as per photograph.

Check the following between 6-BM-A and 6-BM-B:

#21 ☐ 6BMA-CLLR-01 Check FOE hutch collar shield is in place and labeled as per photograph.

#22 ☐ 6BM-VA-01 Check shielded transport pipe is in place and labeled.

#23 ☐ 6BM-SPE-01 Check shielded pump enclosure is in place and labeled as per photograph.

#24 ☐ 6BM-VA-02 Check shielded transport pipe is in place and labeled.

#25 ☐ 6BMB-CLLR-01 Check end station hutch collar shield is in place and labeled as per photograph.

Check the following in 6-BM-B:

#26 ☐ 6BMB-CLLR-02 Check hutch collar shield with beam pipe is in place and labeled as per photograph.

#27 ☐ 6BMB-LBYR-05 Check PPS cable labyrinth is securely closed and labeled.

#28 ☐ 6BMB-STP-01 Check monochromatic beam stop is in place and labeled.

7/12/2017

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X Bruce Ravel

Bruce Ravel
6-BM Lead Beamline Scientist
Signed by: Ravel, Bruce

X

Mary Carlucci-Dayton
Technical Authority
Signed by: Carlucci-Dayton, Mary

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******