

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\*\*\***