

<b>X23A2 SAFETY CHECKLIST</b>			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
<b>Rev: F</b>	<b>Effective: 09/02/09</b>	<b>Page 1 of 1</b>	Number: LS-SCL-0051
Reviewed by: P. Marino		Reviewed by:	<b>Approved by: T. McDonald</b>

Original signatures on file.

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- 1. Valid Padlock Index and log, no locks open
- 2. Exclusion Zone (EZ #1) in place and secure as per photo #1
- 3. Vacuum Bellows #1 shielded under Exclusion Zone (EZ #1)
- 4. Bremsstrahlung shield (BS #1) banded and secured as per photo #1
- 5. Exclusion Zone (EZ #2) in place and secure
- 6. Exclusion Zone (EZ #3) in place and secure on the backside of EZ #2
- 7. Vacuum Bellows #2 wrapped in lead as per photo #2
- 8. Bremsstrahlung shield (BS # 2) banded and secured as per photo #2
- 9. Exclusion Zone (EZ #4) in place and secure
- 10. View port covered with leaded glass. Photo #2 in place
- 11. A2 tank wrapped in lead as per photo #2
- 12. View port covered with leaded glass
- 13. Exclusion Zone (EZ #5) in place and secure
- 14. Bremsstrahlung shield (BS # 3) banded and secured as per photo #3.
- 15. Scatter shield around beam pipe in place and secured

### **CHECKPOINT #16 IS INSIDE OF X23A2 HUTCH**

- 16. Bremsstrahlung shield (BS # 4) banded and secured as per photo #4

OPCO / Beamline Staff: \_\_\_\_\_ Date: \_\_\_\_\_

### **USER SYSTEM CHECKS**

- A. Check He fill log.
- B. Check He outlet flow. Must be 0.5; Check ball position using finger over outlet

Beamline Rep.: \_\_\_\_\_ Date: \_\_\_\_\_