

<b>X22A SAFETY CHECKLIST</b>			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
<b>Rev: C</b>	<b>Effective:3/31/09</b>	<b>Page 1 of 1</b>	Number: LS-SCL-0048
Reviewed by: Thomas McDonald		Reviewed by:	<b>Approved by: B. Chmiel</b>

Original signatures on file.

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- 1. Valid Padlock Index and log, no locks open.
- 2. Exclusion Zone (EZ #1) between Isolation Valve and Bremsstrahlung shield (BS #1)
- 3. Bremsstrahlung shield (BS #1) in place and banded see photo 1.
- 4. Lead shield on Be window 1A downstream of BS #1.
- 5. Lead shield on mask tank.
- 6. Lead shield on bellows between Mask Tank and Mirror Tank.
- 7. Lead shield on mirror tank.
- 8. Exclusion Zone (EZ #2) upstream of Bremsstrahlung shield (BS #2). Lead shield on bellows and Be window 2A, upstream of Bremsstrahlung shield (BS #2) (under Exclusion Zone (EZ #2))
- 9. Bremsstrahlung shield (BS # 2) in place and banded see photo 2.
- 10. Exclusion Zone (EZ #3) upstream of Bremsstrahlung shield (BS #3).
- 11. Bremsstrahlung shield (BS # 3) in place and banded see photo 3.
- 12. Lead shield skirt and leaded glass on Viewport above ion pump.
- 13. Lead shield on bellows upstream of monochromator tank.
- 14. Lead shield skirt and leaded glass on Viewport on monochromator tank.
- 15. Exclusion Zone (EZ #4) between Monochromator tank and Bremsstrahlung shield (BS # 4).
- 16. Beam-stop banded.

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

### USER SYSTEM CHECKS

- A. Check monochromator purge log and pressure gauge. Pressure should read positive 1 to 3 psi. If not, notify Christie Nelson at ext. 4916.

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