

X4C SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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FROM SHIELD WALL TO X4C HUTCH

- 1. Valid Padlock Index and log, no padlocks open
- 2. Exclusion Zone (EZ #1) located. As in photo 1.
- 3. Bremsstrahlung shield (BS #1) in place. As in photo 1.
- 4. Exclusion Zone (EZ #2) located. As in photo 1.
- 5. Lead Exclusion Zone (EZ #3) located. As in photo 2.
- 6. Sheet lead covers cross. As in photo 2.
- 7. Bremsstrahlung shield (BS # 2) in place and banded. As in photo 2.
- 8. Lead Exclusion Zone (EZ #4) located. As in photo 2.
- 9. Viewport #1 must see "lead glass" label on the housing. As in photo 3.
- 10. Beryllium window #1 wrapped in lead. As in photo 3.
- 11. Scatter shield. As in photo 4.

INSIDE THE X4C HUTCH

- 12. Mirror tank wrapped in lead. As in photo 5.
- 13. Two viewports covered in lead glass. As in photo 5.
- 14. Exclusion Zone (EZ #5).
- 15. Monochromator wrapped in lead. Viewport covered in lead glass. As in photo 6.
- 16. Exclusion Zone (EZ #6) located. As in photo 6.
- 17. Exclusion Zone (EZ #7) located. As in photo 6.
- 18. Ion Chamber 1 and 2, Scatter Shield, and Pathway in place. As in photo 6.
- 19. Exclusion Zone (EZ #8) located. As in photo 7.
- 20. Bremsstrahlung shield (BS # 3) in place and banded. As in photo 7.

OPCO / Beamline Staff: _____ Date: _____