

X2B SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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Original signatures on file.

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- 1. Valid Padlock Index and log, no padlocks open

Checkpoints on X1 side:

- 2. Lead bricks as per photo (near shield wall)
- 3. Bellows #1 shielded and banded
- 4. Scatter shield on beam pipe and cross section as per photo
- 5. Scatter shield including shielding on Aperture #1 as per photo
- 6. Bremsstrahlung shield #1 (BS #1) as per photo
- 7. Bellows shield #2 and spool piece
- 8. Scatter shields including cross section as per photo

Checkpoints on X3 side:

- 9. Aperture #2 shielding
- 10. Bremsstrahlung shield #2 (BS #2) as per photo
- 11. Bellows shield #3 and spool piece
- 12. Pinhole actuator shielding as per photo
- 13. Aperture #3 and scatter shielding
- 14. Bremsstrahlung shield #3 (BS #3) as per photo
- 15. Bellows shield #4
- 16. Flange caps and cross section shielding as per photo
- 17. He Bubbler (bubble rate of one bubble per second)
- 18. Be Window #1 and scatter shielding as per photo

Checkpoints inside X2B hutch:

- 19. Bellows shield upstream monochromator (lead sheet)
- 20. Monochromator lead-lined container on top of mono in place in hutch
- 21. Monochromator back scatter shielding (downstream monochromator)
- 22. Bremsstrahlung shield # 4, Beam Dump (rear wall inside X2B hutch)

Checkpoints inside X2A hutch:

- 23. Bremsstrahlung shield #5 (front wall inside X2A hutch)
- 24. Radiation shield (aluminum clad lead sheet)

OPCO / Beamline Staff: _____ Date: _____