

X27C SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
Rev: C	Effective: 5/24/2010	Page 1 of 1	Number: LS-SCL-0061
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Original signatures on file.

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1. Valid Padlock Index and log, no padlocks open

ITEMS LOCATED UPSTREAM OF X27B HUTCH

2. Bremsstrahlung shield 1 (BS#1) in place and banded. Located under EZ #1, upstream of the X27B hutch.
 3. Exclusion Zone 1 (EZ#1) secured and in place.
 4. Scatter Barrier, perforated metal piece in place

ITEMS FOUND ON X28C SIDE

5. Exclusion Zone 4C (EZ4C) secured and in place.
 6. Bremsstrahlung shield #2C (BS2C) in place and banded (as in photo).
 7. Exclusion Zone 5C (EZ5C) secured and in place.
 8. Bellows (FB3C) covered with lead wrapping.

ITEMS LOCATED INSIDE X27A HUTCH

9. Bremsstrahlung shield 3C (BS3C) in place and banded (as in photo).
 10. Exclusion Zone 6C (EZ6C) AND 7C (EZ7C) secured and in place (as in photo).

ITEMS LOCATED DOWNSTREAM OF X27A HUTCH

11. Scatter shielding on slits, bellows, and monochromator as per photo.
 12. Monochromator Viewport covered with lead glass.
 13. Lead roller 1C (LR1C) attached to base of X27C hutch door (inside).

ITEMS LOCATED DOWNSTREAM OF X27C HUTCH

14. Lead beam-stop BS #4C banded, secured in place, as in photo.

OPCO / Beamline Staff: _____ Date: _____

USER SYSTEM CHECKS

- A. Water flowing through rotor wheel on Proteus. Located outside X27B hutch above door.
 B. X27 Interlock board for green light on water and vacuum status for beamline C.
 C. Slits water flowing through Proteus unit on board #1.
 D. Water flowing through Proteus unit on board #2. Check that overflow tube is draining upper bucket.

Beamline Rep.: _____ Date: _____