

U14B SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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A. FRONT-END VACUUM

With mask closed, or no beam in the machine, pressure must be 2.0×10^{-9} or less.

B. BEAMLINE ISOLATION VALVES

All beamline isolation valves must be unsealed and in the open position.

C. NUMBERED CHECKPOINTS

The following checkpoints start at the Front End. The purpose of the list is to ensure that all shielding and exclusion zones are in place and secured. Refer to Beamline Diagram.

- 1. Exclusion Zone (EZ #1) in place and secure.
- 2. Bremsstrahlung Shielding (BS # 1) banded and secure as per photo.
- 3. Bremsstrahlung Shielding (BS # 2) upstream of Aux. Shutter banded and secure as per photo.
- 4. Bremsstrahlung Shielding (BS # 3) banded and secure as per photo.
- 5. Bremsstrahlung Shielding (BS # 4) banded and secure as per photo.
- 6. Glass View port covered
- 7. Bremsstrahlung Shielding (BS # 5) banded and secure as per photo.

NOTE: U14B & U14A share the Front End Safety Shutter. If U14B is coming on line, and U14A is locked out for any reason, the NSLS operations coordinator must close and yellow tag the U14A Aux. Shutter controller, and remove and retain the U14A Aux. shutter L/O Key.

OPCO / Beamline Rep.: _____ Date: _____