

# BeamLine Operations and Safety Awareness (BLOSA) Checklist

# Beamline X26C

All users must be instructed in operating the beamline safely. Leave checkbox blank if not applicable. Training valid 2 years. Visitors use Visitor/Escort forms.

- ACCESS**
- Training - Laser A If Class 3B or 4 laser is required for experiment, verify laser training and eye exam: [www.bnl.gov/training](http://www.bnl.gov/training)
- EMERGENCIES**
- Exits R Locate routes to nearest exits
- Fire Extinguishers R Locate fire extinguisher
- Alarm Pulls R Locate fire alarm pull
- Eye Wash/Shower R Locate eye wash/shower [For labs without eye wash stations, prop open door if using corrosives]
- Spill Station R Locate spill control station
- Green/Yellow Boards R Locate/discuss Green Board (beamline emergency contacts, phones and info) and Yellow Board (safety info)
- Emergency Stop A Locate emergency stop buttons, review purpose and operation
- CONTACTS**
- OPCO R Refer to instructions posted on the beamline phone for Operations Coordinator (OPCO) Assistance
- PX Operators B Refer to instructions posted on the beamline phone for PX Operators
- BEAMLINE OPERATIONS**
- Hutch Interlocks A Review hutch interlock operations; emphasize that purpose of interlocks is to prevent injury when beam is on
- Enabling Beamline R Review procedures to enable beamline
- Red & Yellow Tags R Provide information about any beamline equipment or systems that are yellow or red tagged
- Beamline Config R Configuration changes to beamline are to be completed by Beamline Staff only
- Power Failure A Identify circuit breaker location; contact Beamline Staff or OPCO to reset circuit breakers
- Pink Cards R Beamline may be unattended up to 24 hours unless SAF states "no unattended operations" (review procedure)
- END STATION / EQUIPMENT**
- Computer Ops R Reminder to review computer operations, control software, data acquisition software
- End Station Config A Configuration changes to end station equipment are to be completed by Beamline Staff only
- End Station Config B The only configuration changes that user can make are located in CBASS software
- Optics A Review optical system set up and procedures
- Detector B Handle detector with extreme care to prevent damage; Use extreme caution at beam stop to prevent damage to detector; Use caution moving detector in hutch (be aware of xtal-to-detector distance motion to prevent damage or injury)
- WebCam B Be aware of WebCams and Remote Monitoring
- DOCUMENTATION**
- Beamline Manuals R Review location of manuals and beamline documentation (must be readily available)
- Manuals/Documents B Refer to [http://www.px.nsls.bnl.gov/x26c/x26c\\_info.html](http://www.px.nsls.bnl.gov/x26c/x26c_info.html)
- Reminders R Identify location of Experimental Reminders list posted at the beamline
- LAB & TECH AREAS**
- Procedures A Review procedures for use of lab (including request form and PPE) and/or tech space (non-lab) area
- EXPERIMENTAL HAZARDS**
- Radiation Hazards R Identify radiation locations; inform user to move away from area and call control room if chipmunks sound off
- Radiation UV Ring A Move away from UV ring, mezzanine, platform, transfer lines, and front end during injection
- Chemicals A Review use, labeling, storage, spills, labs, disposal, and transportation of chemicals
- Cryogenes A Cryogen use at beamline or lab: Review filling, demonstrate use, wear PPE (eye and skin protection)
- Cryogen Fills A Cryogen Filling Station: Review filling, demonstrate use, wear PPE (eye and skin protection)
- Vent System A Review use and procedures for ventilation system and for ventilation alarms, if present
- PPE B Wear appropriate PPE when using laser and when mounting crystals using cryogenes
- Hazard Analysis R Identify location of beamline hazard analysis form
- ENVIRONMENTAL WASTES**
- Disposal - Sharps A Place cover slips, tips, needles in sharps container
- Heavy Metals B Take heavy metals and samples back to home institution
- CLOSE OUT**
- Disabling Beam B Secure the beamline BUT ask beamline staff if the shutter should be disabled
- Housekeeping A Ensure beamline area is neat, clean, free of hazards

I understand the instructions given to me on beamline operations and safety awareness.

PRINT User Name	Guest #	User Signature	Date	Trainer's Signature	√ UAdm

Designated Trainer: Place √ next to your name:

- Babak Andi
- Richard Jackimowicz
- Stuart Myers
- Howard Robinson
- Grace Shea-McCarthy
- Neil Whalen
- Annie Heroux
- Feifei Li
- Allen Orville
- Deiter Schneider
- Alexei Soares