

BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline X24C

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 a Class 3B or 4 laser is required for experiment, verify user's laser training and eye exam at 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 Board R Locate/discuss Green Board (beamline emergency contacts, phones and info) and Yellow Board (safety info)
- CONTACTS**
- OPCO R Refer to instructions posted on the beamline phone for Operations Coordinator (OPCO) Assistance
- BEAMLINE OPERATIONS**
- 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 OPCOs to reset circuit breakers
- Water Valves A User may adjust water shut-off valves (review location and procedure)
- 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
- Valve Control B Review procedures for end station valve control panel
- Water Gauge B User to be aware of water gauge for optics/mirror
- Monochromator B Review procedures for monochromator drive, stepping motors, air bearings, lead screws, power, XDAC software
- Reflectometer B Review procedures for reflectometer, LORT, and goni system control; power and XDAC software
- DOCUMENTATION**
- Beamline Manuals R Review location of manuals and beamline documentation (must be readily available)
- Manuals/Documents B Refer to documentation in X24C storage area and side of BBB chamber
- 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
- Visible Beam A Visible light hazards exist at beamline - Do not look at or into visible light beam (cover viewports when not in use)
- Cryogenics 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)
- Prevent Injuries B Limited head room at mid-beam area; use caution when moving around equipment
- Hazard Analysis R Identify location of beamline hazard analysis form
- ENVIRONMENTAL WASTES**
- Disposal - Sharps A Place cover slips, tips, needles in sharps container
- CLOSE OUT**
- Disabling Beam A Secure the beamline and disable shutter/beam before you leave
- Housekeeping A Ensure beamline area is neat, clean, free of hazards
- Shipping A Review shipping procedures: <http://www.nsls.bnl.gov/users/services/shipping.asp>
- Storage A Review storage procedures for samples

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

Only these trainers can provide BLOSA for this beamline:

PRINT User Name	Guest #	User Signature	Date	√ UAdm

- J. Seely B. Kjomrattanawanich M. Kowalski
- J. Rife

Trainer: Check Box, Sign Here

Date