

**BeamLine Operations and Safety Awareness (BLOSA) Checklist****Beamline X29A**

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.

**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
- Detector B Protect detector face physically and from direct beam
- WebCam B Be aware of WebCams and Remote Monitoring

**DOCUMENTATION**

- Beamline Manuals R Review location of manuals and beamline documentation (must be readily available)
- Reminders R Identify location of Experimental Reminders list posted at the beamline

**EXPERIMENTAL HAZARDS**

- Radiation Hazards B Review ALARA requirements for booster operations
- 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
- 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 Use caution in hutch when moving detector
- 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 B Secure the beamline BUT ask OPCO if the shutter should remain open or be closed
- Housekeeping A Ensure beamline area is neat, clean, free of hazards
- BL End of Run B Complete PX End of Run Form: <http://www.px.nsls.bnl.gov/eor.html>

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
- Howard Robinson
- Wuxian Shi
- Neil Whalen
- Annie Heroux
- Stu Myers
- Grace Shea-McCarthy
- Alexei Soares