

# BeamLine Operations and Safety Awareness (BLOSA) Checklist

# Beamline X12C

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

### 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 B The only configuration changes that user can make are located in CBASS software
- Detector B Protect detector face physically and from direct beam
- Panic Stop B The panic stop button for end station equipment is on the VME crate and in CBASS

### 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/x12c/x12c\\_info.html](http://www.px.nsls.bnl.gov/x12c/x12c_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
- Cryogenics A Cryogen use at beamline or lab: Review filling, demonstrate use, wear PPE (eye and skin protection)
- PPE A Safety glasses are required inside hutches
- 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 back to home institution

### CLOSE OUT

- Disabling Beam A Secure the beamline and disable shutter/beam before you leave
- 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:

- Annie Heroux
- Stuart Myers
- Dieter Schneider
- Alexei Soares
- Cornelius Whalen
- Richard Jackimowicz
- Christian Roessler
- GraceShea-McCarthy
- Robert Sweet