

# BeamLine Operations and Safety Awareness (BLOSA) Checklist

# Beamline U9B

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)

### 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 Beamline Staff or OPCO to reset circuit breakers
- Storage Ring Vacuum A Review procedures for vacuum work and bleed ups to upstream/front end machine vacuum; contact OPCO before proceeding
- 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
- Front End Controls B Review procedures for front end controls, shutter controls
- End Station Config A Configuration changes to end station equipment are to be completed by Beamline Staff only
- Nitrogen Gas B Review location and procedures for handling, adjusting, purging N2 (delivered by NSLS system)
- Equipment Vacuum A Only Beamline Staff are permitted to perform vacuum work and bleed ups on end station equipment
- Mirror B Review procedures for rotatable mirror

### 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

### 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 R Move away from UV ring, mezzanine, platform, transfer lines, and front end during injection
- Electrical A Some detectors have high voltage; use caution
- Cryogenics A Cryogen use at beamline or lab: Review filling, demonstrate use, wear PPE (eye and skin protection)
- Freeze Burns B Use caution and wear appropriate PPE using cryostat (cryogenics can cause freeze burns)
- Hazard Analysis R Identify location of beamline hazard analysis form

### ENVIRONMENTAL WASTES

- Waste Removal B Take wastes (used gloves, wipes, disposables, etc.) and samples back to home institution

### CLOSE OUT

- Disabling Beam B Secure the beamline and contact OPCO to disable the shutter/beam before you leave
- Housekeeping A Ensure beamline area is neat, clean, free of hazards

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

Designated BLOSA trainers for this beamline:

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

- John Trunk
- John Sutherland