

# BeamLine Operations and Safety Awareness (BLOSA) Checklist

BeamlineX1A2

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
- Water Valves A User may adjust water shut-off valves (review location and procedure)
- Air Valves A User may adjust air shut-off valves (review location and procedure)
- Gas Valves A User may adjust gas 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
- Equipment Vacuum A Only Beamline Staff are permitted to perform vacuum work and bleed ups on end station equipment
- Optics A Review optical system set up and procedures

## 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
- Electrical A Some detectors have high voltage; use caution
- Chemicals A Review use, labeling, storage, spills, labs, disposal, and transportation of chemicals
- Cryogenics A Cryogen use at beamline or lab: Review filling, demonstrate use, wear PPE (eye and skin protection)
- Compressed Gas A Review use and storage
- Burns A Avoid contact with electrical heat tape during bake out (can cause burns)
- Burns B Avoid contact with Ion Gauges (can cause burns to the skin)
- Hazard Analysis R Identify location of beamline hazard analysis form

## ENVIRONMENTAL WASTES

- Storage - SAA A Identify location and review procedures for Satellite Accumulation Area; provide SAA manager's name

## CLOSE OUT

- Disabling Beam A Secure the beamline but DO NOT disable shutter (beamline is shared with another beamline)
- 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

S. Wirick       S. Wilkins       J. Hill

Trainer: Check Box, Sign Here

Date