

# BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline U3C

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
- Gas Valves A User may adjust gas shut-off valves (review location and procedure)
- 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
- Electronics Rack B Review orientation and required sequence for controls on electronics rack
- End Station Config A Configuration changes to end station equipment may be completed by User but requires approval by Beamline Staff (review procedures and change limits)
- Equipment Vacuum A User is permitted to perform vacuum work and bleed ups on end station equipment (review procedures)
- Experiment Chamber B Review procedures and extension policy for using and changing experimental chamber
- Mirror B Review procedures for grating change and M1 Mirror Adjustment

## DOCUMENTATION

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

## 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 Work A No work on exposed electrical components >50V
- Compressed Gas A Review use and storage
- Vent System A Review use and procedures for ventilation system and for ventilation alarms, if present
- Burns B Avoid skin contact with soldering iron to prevent burns to the skin
- Prevent Injuries B Use caution when removing, switching, and installing chambers (potential for injuries, awkward positions)
- Hazard Analysis R Identify location of beamline hazard analysis form

## CLOSE OUT

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

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

Bin Dong