

BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline X27B

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
- User Interlocks B Review procedure for setting user interlocks if power outage occurs
- 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 OPCOs to reset circuit breakers
- 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 may be completed by User (review procedures & change limits)
- End Station Config B General users will only have experimental beamline control over monochromator and X27B sample stage motions
- Electrical Connections B Any high voltage, motor connections and in-hutch beamline electronics can only be adjusted by qualified beamline staff
- High Volt Power Sup B Review procedures to unplug or change high voltage power supply (HVPS)

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 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
- Beryllium A Identify location of beryllium articles or beryllium windows and procedures for notification in case of breakage
- Ladders A If ladder to be used, discuss ladder set up, safety and 3-point rule
- 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 beamline staff if the shutter should be disabled
- 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

- G. Camarda
- G. Yang