

BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline X11B

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 procedures for user interlocks
- 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)
- 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
- End Station Config A Configuration changes to end station equipment are to be completed by Beamline Staff only

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
- Lead B Review lead shielding procedures; if lead is touched, wash hands
- Electrical Work A No work on exposed electrical components >50V
- Electrical A Some detectors have high voltage; use caution
- Electrical B Do not touch Red Cables or High Voltage (HV) Supply for ion chamber
- Electrical B If Power Supply must be powered down, call Beamline Staff
- Cryogenics A Cryogen use at beamline or lab: Review filling, demonstrate use, wear PPE (eye and skin protection)
- Cryogen Fills A Cryogen Filling Station: Review filling, demonstrate use, wear PPE (eye and skin protection)
- Compressed Gas A Review use and storage
- Vent System A Review use and procedures for ventilation system and for ventilation alarms, if present
- Nano Materials A Verify nano training and, if applicable, review procedures for nano hood and glove box
- Hazard Analysis R Identify location of beamline hazard analysis form

ENVIRONMENTAL WASTES

- Disposal - Sharps A Place cover slips, tips, needles in sharps container
- Hazardous Wastes B Users performing sample preparation work must complete Laboratory Standard and Hazardous Waste Generator Training
- Trash Removal B Take used gloves, wipes, disposables to home institution or dispose in 90-day area (Lab Standard and Haz Waste training required)
- Heavy Metals B Take heavy metals and samples back to home institution
- Storage - 90 Day A Identify location and procedures for 90-Day Storage Area
- 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 and disable 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

- B. Karlin
- K. Pandya
- J. Kirkland