

BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline X2B

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
- 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 Only beamline staff or OPCOs are permitted to adjust gas shut-off valves
- 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
- Data Integrity B All user data to be removed
- 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)
- Optics A Review optical system set up and procedures
- Slit Assembly B Only Beamline Staff are permitted to move slit assembly; contact Beamline Staff
- Warm Up B If lead blocker (mounted in hutch) is needed, review procedure for leaving shutter open while beam is on
- Hutch Table B Adjustment to granite table in hutch may be required during experiment (review procedures; do not place objects on table)
- Hutch Doors B Review procedure for accessing hutch (front & rear hutch doors; 2 kirk keys; moveable table)
- WebCam B Web cameras may be active

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
- Chemical-Dodecane B If Dodecane is used for sample(s), review procedure and PPE
- PPE A Safety glasses are required inside hutches
- Step Ladder B If user needs to mount equipment in hutch, review step ladder use
- 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
- Shipping A Review shipping procedures: <http://www.bnl.gov/ps/nsls/users/services/shipping.asp>

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

Designated Trainer: Place √ next to your name:

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

Keith Jones

D. Siddons