

# BeamLine Operations and Safety Awareness (BLOSA) Checklist

# Beamline X28C

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
- Beamline Enabling B Beamline staff will complete Safety Checklist and enable the beam
- 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)
- Staff Support B Staff support provided 7 AM to 10 PM unless in emergency
- 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

### 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
- Radiation UV Ring A Move away from UV ring, mezzanine, platform, transfer lines, and front end during injection
- Chemicals A Review use, labeling, storage, spills, labs, disposal, and transportation of chemicals
- Vent System A Review use and procedures for ventilation system and for ventilation alarms, if present
- 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
- Housekeeping A Ensure beamline area is neat, clean, free of hazards
- Shipping A Review shipping procedures: <http://www.nsls.bnl.gov/users/services/shipping.asp>
- Storage A Review storage procedures for samples
- BL End of Run B Complete Beamline End of Run Form: Form is located on the display

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

- S. Gupta
- J. Bohon
- M. Sullivan
- D. Abel