

# BeamLine Operations and Safety Awareness (BLOSA) Checklist

# Beamline X27A

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
- 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 are to be completed by Beamline Staff only
- Gas Fills B Gas (He, N2, Ar) is filled by beamline staff only
- LN Fill B Liquid Nitrogen is filled by beamline staff only
- WebCam B Be aware of WebCams

### 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
- Electrical Work A No work on exposed electrical components >50V
- Electrical A Some detectors have high voltage; use caution
- Vent System A Review use and procedures for ventilation system and for ventilation alarms, if present
- Beryllium A Identify location of beryllium articles or beryllium windows and procedures for notification in case of breakage
- Magnetic Fields A Magnetic fields present at this beamline - Users with medical devices/implants must notify NSLS ESH Staff
- Hazard Analysis R Identify location of beamline hazard analysis form

### ENVIRONMENTAL WASTES

- Hazardous Wastes B Do not generate hazardous wastes without talking with beamline staff

### 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
- Shipping A Review shipping procedures: <http://www.bnl.gov/ps/nsls/users/services/shipping.asp>
- Storage A Review storage procedures for samples

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

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

Designated Trainer: Place √ next to your name:

- Paul Northrup
- Randy Smith
- Sue Wirick
- Bill Rao
- Ryan Tappero