

# BeamLine Operations and Safety Awareness (BLOSA) Checklist

# Beamline X20A

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; user may reset 1X with PPE & electrical training - review procedures; call OPCO for unknown cause
- Gas Valves A User may adjust gas shut-off valves (review location and procedure)
- Problems B Review procedure for reporting problems and requesting repairs
- 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
- Computer Ops B Review User ID, data dir, backups, UPS
- 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)

### 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
- Electrical Work A No work on exposed electrical components >50V
- Electrical A Some detectors have high voltage; use caution
- Electrical B Do not plug any equipment into UPS
- Beryllium A Identify location of beryllium articles or beryllium windows and procedures for notification in case of breakage
- Nano Materials A Verify nano training and, if applicable, review procedures for nano hood and glove box
- PPE A Safety glasses are required inside hutches
- Burns A Avoid contact with heating stage in hutch if used in experiment (can cause burns)
- Ladders A If ladder to be used, discuss ladder set up, safety and 3-point rule
- Prevent Injuries B Use caution in hutch when moving diffractometer, table, equipment arms
- Hazard Analysis R Identify location of beamline hazard analysis form

### ENVIRONMENTAL WASTES

- Disposal - Sharps A Place cover slips, tips, needles in sharps container
- SAA - Solder B Review procedure and location for temporary SAA (for soldering or other wastes)

### CLOSE OUT

- Disabling Beam A Secure the beamline and disable shutter/beam before you leave
- Housekeeping B Review procedure for return of tools, housekeeping, recycling
- 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>

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

- J. Jordan-Sweet
- C. Lavoie
- C. Cabral