

BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline X16C

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 OPCOs to reset circuit breakers
- 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
- Water Interlocks B Review procedures for water interlocks and trips
- 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

EXPERIMENTAL HAZARDS

- Radiation Hazards B Note and avoid the locations of the exclusion zones
- Radiation Hazards R Identify radiation locations; inform user to move away from area and call control room if chipmunks sound off
- Lead B Review location of lead; wash hands of touched
- Chemicals A Review use, labeling, storage, spills, labs, disposal, and transportation of chemicals
- 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
- Burns B Avoid contact with Furnace (if used); (can cause burns)
- Prevent Injuries B Use caution when opening hutch door due to space limitation outside of hutch
- Hazard Analysis R Identify location of beamline hazard analysis form

ENVIRONMENTAL WASTES

- Disposal - Sharps A Place cover slips, tips, needles in sharps container
- Storage - SAA A Identify location and review procedures for Satellite Accumulation Area; provide SAA manager's name

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.nsls.bnl.gov/users/services/shipping.asp>
- Storage A Review storage procedures for samples

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	<input checked="" type="checkbox"/> UAdm

- P. Stephens
- S. Lapidus