BeamLine Operations and Safety Awareness (BLOSA) Checklist   Beamline X7B

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
- ☐ Air Valves — A — User may adjust air shut-off valves (review location and procedure)
- ☐ 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
- ☐ 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
- ☐ Chemicals — A — Review use, labeling, storage, spills, labs, disposal, and transportation of chemicals
- ☐ Cryogens — A — Cryogen use at beamline or lab: Review filling, demonstrate use, wear PPE (eye and skin protection)
- ☐ Cryogen Fills — A — Cryogen Filling Station: Review filling, demonstrate use, wear PPE (eye and skin protection)
- ☐ Compressed Gas — A — Review use and storage
- ☐ Gas Handling — B — Review procedures for gas cabinet and checklist
- ☐ Vent System — A — Review use and procedures for ventilation system and for ventilation alarms, if present
- ☐ PPE — B — Safety glasses are required inside hutches when pressurizing the cell
- ☐ Burns — B — Avoid touching heated gas lines (can cause burns to the skin)
- ☐ Burns — B — Avoid touching sample cell heater (can cause burns to the skin)
- ☐ Ladders — B — Review set up, safety, and 3 point rule if ladder is needed for glas flow adjustment above hutch door
- ☐ Hazard Analysis — R — Identify location of beamline hazard analysis form

ENVIRONMENTAL WASTES
- ☐ Storage - 90 Day — A — Identify location and procedures for 90-Day Storage Area
- ☐ Storage - SAA — A — Identify location and review procedures for Satellite Accumulation Area; provide SAA manager's name

CLOSE OUT
- ☐ Disabling Beam — A — Secure the beamline and disable shutter/beam before you leave
- ☐ 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:
☐ Jonathan Hanson
☐ Rui Si
☐ Wenqian Xu

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