

BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline U4IR

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.

ACCESS

- Training - Laser A If Class 3B or 4 laser is required for experiment, verify laser training and eye exam: www.bnl.gov/training

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)

CONTACTS

- OPCO R Refer to instructions posted on the beamline phone for Operations Coordinator (OPCO) Assistance

BEAMLINE OPERATIONS

- 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)
- 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
- Spectrometer Vacuum B User [] is not authorized to perform vacuum work on spectrometer endstation; review procedures if authorized
- Vacuum Beam Pipe B User [] is not authorized to perform vacuum work on rough vacuum beam pipe and collimating system; review procedures if authorized
- Optics A Review optical system set up and procedures

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
- Radiation UV Ring R Move away from UV ring, mezzanine, platform, transfer lines, and front end during injection
- Visible Beam A Visible light hazards exist at beamline - Do not look at or into visible light beam (cover viewports when not in use)
- Electrical Work A No work on exposed electrical components >50V
- Cryogenes 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
- Magnetic Fields A Magnetic fields present at this beamline - Users with medical devices/implants must notify NSLS ESH Staff
- Alignment Laser A Alignment laser is present at this beamline (avoid direct eye exposure)
- 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
- End of Day B Power down systems, turn TV to Channel 8, store tools, perform PC security check

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

- G. Larry Carr
- Randy Smith
- Qing-Yi Dong