

BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline X1B

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)

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
- Bake Out B User may perform bake-out but requires approval by Beamline Staff (review procedures)
- 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
- Water Valves A User may adjust water shut-off valves (review location and procedure)
- 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
- File Storage B Review procedures for file storage on x1bpc5
- 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)
- Equipment Vacuum A User is permitted to perform vacuum work and bleed ups on end station equipment (review procedures)
- Optics B Review procedures for Epics and Mirror medm start up
- Procedures B Review remaining procedures specific for End Station 1 or End Station 2

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
- Cryogenics A Cryogen use at beamline or lab: Review filling, demonstrate use, wear PPE (eye and skin protection)
- Cryogen Fills B User may operate transfer line and perform cryogen fills with Beamline Staff approval (review procedures)
- Compressed Gas A Review use and storage
- Burns A Avoid contact with electrical heat tape during bake out (can cause burns)
- Ladders A If ladder to be used, discuss ladder set up, safety and 3-point rule
- Hazard Analysis R Identify location of beamline hazard analysis form

CLOSE OUT

- Disabling Beam A Secure the beamline but DO NOT disable shutter (beamline is shared with another beamline)
- 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 |
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Designated Trainer: Place √ next to your name:

- Abbamonte, Peter
- Chen, Bo
- Chen, Xiaoqian
- DeMasi, Alex
- Hulbert, Steve
- Laverock, Jude
- Lee, James
- McNulty, James
- Newby, Dave
- Piper, Louis
- Preston, Andrew
- Smadici, Serban