

BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline X28C BLOSA

Visitors shall not use this BLOSA form - use the Visitor/Escort form at each entrance to the Experimental Floor. This BLOSA form is only for those individuals who will work on the beamline. They must have already completed NSLS access training (including GERT and NSLS Facility-Specific Safety Orientation) and obtained a radiation badge.

Upon Arrival

- Check in at User Admin (days) or Control Room (eves/weekends)
- Complete General Facility Training: **NSLS Facility-Specific Safety Orientation and NSLS Radiological Access Module**
- Obtain **ID badge** encoded for experimental floor access
- Follow the webpage: <http://www.aecom.yu.edu/mbrenowitz/X-28C/NSLS-X28C.html> - National Synchrotron Light Source → User Information - for **NSLS User's Guide** and **ESH Guide for Users and Staff on Experimental Floor**
- [³²P users only] Complete Radiological Training: **Rad Worker 1** (Exp. Date: __/__/__) and **Bench Top Dispersible** Training (Exp. Date: __/__/__).
- [³²P users only] Obtain a **radiation (TLD)** badge from either NSLS Administration or User NSLS Control Room that is to be worn while working within the dispersible radioactivity controlled area.

Emergency and Facility Safety

- Emergency phone numbers:** Fire/Medical x2222, Security x2238, Control Rm x2550, Bldg. Manager x3476 (instructions are posted)
- Operations Coordinator** assistance: see instructions posted on hutch
- Fire alarms: Evacuate** by nearest exit and meet on grass outside Main Entrance of Bldg. 725
- Site alarms:** **Continuous Siren — Assemble** inside Main Lobby and Seminar Room.
Intermittent Siren — Evacuate site immediately; apartment residents go to Berkner Hall
- Nearest exits** and route identification and walk down
- TV monitoring channels** **Fire Extinguisher & Fire Alarm Pull Station** locations
- Eye wash/shower station** locations **Green board** safety

Beamline Safety

- Beamline Safety** personnel are: **Sayan Gupta**, **Michael Sullivan**, **John Toomey** and **Donald Abel**
- Emergency STOP button** identification and purpose **Safety/Hutch interlock training**
- Beamline enabling and pink cards** **Beamline safety checklist**
- Power failure response and circuit breaker** location **Experiment Safety Approval Form (SAF)**
- Radiation hazards and postings** **Other forms – Beginning of Run, Beam alignment report and End of Run.**

Beamline Operation

- Manuals and beamline documentation** location
- Follow the webpage : <http://www.aecom.yu.edu/mbrenowitz/X-28C/NSLS-X28C.html> for beamline schedule and protocols.
- Staff support 7:00 hr to 22:00 hr: unless in an emergency **Fill end of Run form** after finishing the experiment
- Fill Beginning of Run** form before enabling the beam **PASS - SAF 843** user should strictly follow the ³²P handling procedure
- Fill Safety checklist** and enable the beam in presence of Beamline Supervisor . **No configuration** changes unless approved by PRT.
- Designated a person** responsible to disable the Beam
- Fill beam alignment** report form

Experimental Procedures

- Gas use, fill and storage procedures** **Waste Removal** **Satellite Accumulation Area** **90 Day Storage Area**
- Lab 161 user request form: fill form; identify your station
- Non radioactive sample preparation must be performed either at lab 161 or designated working bench outside the X28C hutch.
- Place your equipment at your station, label them and store in appropriate place.
- User should not leave samples, spill diapers or any equipment over the working table after their scheduled time.

Important Notes

Only **PASS-SAF 843** may be used when the hutch is posted as a controlled area for dispersible radioactivity. Users of other protocols who arrive and find the hutch posted as a controlled area for dispersible radioactivity **must not enter the POSTED AREA** and call the **local contact** or **designated set-up coordinator** approved by Beamline Scheduler for instructions. **Unattended operation is not permitted under PASS-SAF 843 except for periods less than 15 min with prior notification of the control room and during the beam (VUV and x ray) refilling period unless there is an emergency.** User may not enable the beam in **absence of local contact** or **designated set-up coordinator** approved by Beamline Scheduler.

	Date	PRINT User Name	Guest #	Signature
NSLS Policy: Each user must be instructed in the safe operation of this beamline. Instruction is valid for a maximum of two years. Beamline staff shall keep readily available all relevant instructions and safety literature. ADDITIONAL TRAINING and/or FORMAL WORK PLANNING may be required for lead handling, use of Class III or IV lasers, laboratory wet chemistry work, etc				
		DESIGNATED BLOSA TRAINERS for X28C (√) 1. Sayan Gupta [] 2. Mike Sullivan [] 3. Donald Abel [] 4. John Toomey []		