

Subject:	Photon Sciences Environment, Safety & Health Briefing for Source Development Laboratory (SDL) (Course Code PS-ESH-BRIEF-SDL)						
Number:	PS-TRN-CRM-0017	Revision:	B	Effective:	04/30/2012	Page	1 of 2

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*Approval signatures on file with master copy.

[Revision Log](#)

Instructions: Read the material below and then close this document. You will receive credit for training through the BNL training system.

Course Objective: This course has been designed to provide you with facility-specific information for working within or outside of Building 729, the Source Development Laboratory (SDL).

Training Requirements: Personnel working within, on the outside, or on the roof of the SDL facility building are required to read this material every two years, in addition to completing other general BNL and NSLS training. Personnel include SDL staff and technicians, as well as contractors/vendors, and other BNL staff (including scientific staff and Plant Engineering staff). Visitors under signed escort are not required to read this material.

Operational Controls: The main hazards found in this building are: x-ray and neutron radiation, high voltage equipment, stray magnetic fields, Class IV lasers.

- The SDL Work Control Coordinator (or designee) shall review and approve all work on the exterior (east, north and west) concrete block shield wall.
- The SDL Work Control Coordinator (or designee) shall review and approve all work on the roof.
- Inside Building 729, no part of a person's body may be above the 96 inch (8 foot) level without review and approval by the SDL Work Control Coordinator (or designee). Note: this includes the top of the interior building concrete shield wall. Do not stand on top of equipment or climb ladders without permission.
- When the klystrons are operational, the area directly behind each klystron secondary containment basin is posted as a Radiation Area. (See posting diagram.)
- When the klystrons are on, no work is permitted in this area without a Radiation Work Permit.
- Stray magnetic fields of > 5 Gauss are limited to within 5 inches of the shielded klystron tubes. Passage through the aisle in front of the klystron assemblies will therefore not affect personnel using electronic medical implants.
- Access to the laser enclosures requires approval by the SDL Laser Coordinator (or designee).
- Access to high voltage equipment is by authorized personnel only. Access to any equipment labeled as a Personnel Security System (PSS) component is restricted to members of the NSLS Interlock Group (<http://www.bnl.gov/ps/committees.asp> >> Interlock Working Group).

Emergency Information and Facility Safety:

- **Emergency phone numbers:** Fire/Medical x2222, Security x2238, SDL Console x5353
- **Fire alarms: Evacuate** by nearest exit and meet at south end parking lot of Building 728
- **Site alarms:**
 - **Continuous Siren - Assemble** in Building 725 (NSLS) front lobby or Seminar Room
 - **Intermittent Siren - Evacuate BNL site**
- Review your **nearest exits** and routes out of building.
- Review the **Fire Extinguisher & Fire Alarm Pull Station** locations

Training Credit: After you close this webpage, part of the course will still be open on your computer screen. You must click on the text "Then click here to receive credit for this training" so that training credit will be posted to your training history. You may now close this webpage.

