

NATIONAL SYNCHROTRON LIGHT SOURCE SAD RISK ASSESSMENT

APPENDIX 4

SYSTEM: Building 725 activities

SUBSYSTEM: Personnel safety

HAZARD: Noise

HAZARD IMPACT:

Occupancy in high noise areas without proper hearing protection could result in hearing loss.

RISK ASSESSMENT PRIOR TO MITIGATION:

Consequence	<input type="checkbox"/> I High	<input type="checkbox"/> II Moderate	<input checked="" type="checkbox"/> III Low	<input type="checkbox"/> IV Routine
Probability	<input type="checkbox"/> A Frequent	<input type="checkbox"/> D Remote		
	<input checked="" type="checkbox"/> B Probable	<input type="checkbox"/> E Extremely Remote		
	<input type="checkbox"/> C Occasional	<input type="checkbox"/> F Impossible		
Risk Category	<input type="checkbox"/> I High	<input checked="" type="checkbox"/> II Moderate	<input type="checkbox"/> III Low	<input type="checkbox"/> IV Routine

MITIGATING FACTORS

- **Methods for protecting NSLS personnel from noise hazards are through the following guidance and services:
- Engineering and administrative controls
- SBMS Noise and Hearing Subject Area
- SBMS Personal Protective Equipment Subject Area
- Noise and Hearing Conservation computer-based training (BTMS)
- NSLS PRM 1.3.5a Experiment Safety Review
- NSLS PRM 1.3.5b Beamline Safety Review
- NSLS PRM 1.3.6 Work Planning and Control Procedure
- SHSD and RCD assistance in surveys and dosimetry

RISK ASSESSMENT FOLLOWING MITIGATION:

Consequence	<input type="checkbox"/> I High	<input type="checkbox"/> II Moderate	<input checked="" type="checkbox"/> III Low	<input type="checkbox"/> IV Routine
Probability	<input type="checkbox"/> A Frequent	<input checked="" type="checkbox"/> D Remote		
	<input type="checkbox"/> B Probable	<input type="checkbox"/> E Extremely Remote		
	<input type="checkbox"/> C Occasional	<input type="checkbox"/> F Impossible		
Risk Category	<input type="checkbox"/> I High	<input type="checkbox"/> II Moderate	<input checked="" type="checkbox"/> III Low	<input type="checkbox"/> IV Routine