

NSLS OHSAS Facility Risk Assessment

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Name(s) of Risk Team Members: NSLS OHSAS Committee	Point Value → Parameter ↓	1	2	3	4	5
Area/Facility Description Title: General Noise Issues	Occupancy or Use	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Area/Facility # (if applicable): LS-FRA-0007						
Area/Facility Description: General Noise Issues throughout the NSLS complex	Severity	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
	Likelihood	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: A. Ackerman Rev.#: 3	Date: 08/15/2008 Revision Log					
Reason for Revision (if applicable):				Comments:		

Physical Item or Activity	Hazard(s)	Before Controls				Initial Controls	After Initial Controls				Control(s) Added to Reduce Risk	After Additional Controls				% Risk Reduction
		Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	
Noise generating machinery & equipment	Hearing loss from chronic and/or acute noise exposure	3	4	4	48	Training, PPE (hearing protection), noise surveys, procedures, postings, medical surveillance, engineered noise reduction, work planning, facility planning, locked areas with limited access to authorized personnel only, exposure monitoring, SBMS subject area	3	4	2	24						
	Poor communication between workers as a result of high ambient noise levels	3	3	2	18	Work planning, training, engineered noise reduction, postings, tool box meetings, SBMS subject area	3	3	1	9						

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		Before Controls				After Initial Controls				After Additional Controls						
Physical Item or Activity	Hazard(s)	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Initial Controls	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction
Liquid nitrogen delivery truck noise	Noise levels >85 dBA.	5	4	4	80	No lingering, i.e. walk through area without delay (~30 sec), therefore no PPE required (SHSD permitted). Posting: No use of small dewar fill station; No exchange of compressed gas cylinders.	5	4	1	20						
Large dewar fill station outdoor exhaust vent line	Noise levels >85 dBA	5	4	3	60	No lingering, i.e. walk through area without delay (<30 sec), therefore no PPE required (SHSD permitted). Posting. OK to use small dewar fill station. OK to exchange compressed gas cylinders.	5	4	1	20						
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20 Negligible	21 to 40 Acceptable				41 to 60 Moderate				61 to 80 Substantial				81 or greater Intolerable		