

Name(s) of Risk Team Members: P. Cirnigliaro, A. Etkin, R. Karol, D. Passarello, J. Scott, M. Van Essendelft, L. Vogt, D. Lederle		Point Value → Parameter ↓	1	2	3	4	5					
Area/Facility Description Title: Collider-Accelerator Department Area/Facility # (if applicable): Facility-Wide		Occupancy or Use	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift					
Area/Facility Description: Facility-Wide General Noise Issues		Severity	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability					
		Likelihood	Impossible	Unlikely	Possible	Probable	Multiple					
Approved by: E. Lessard      Date: 2/12/08      Rev.#: 0		Reason for Revision (if applicable): Triennial Update					Comments:					
			Before Additional Controls				After Additional Controls					
Physical Item or Activity	Hazard(s)	Control(s)	Before Additional 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	
Noise	Hearing loss	Training, hearing protection, area noise surveys, personal exposure monitoring, procedures, postings, medical surveillance for hearing, engineered noise reduction, work planning, locked areas with limited access to authorized personnel only	5	4	2	40						
Further Description of Controls Added to Reduce Risk:												
<p>In March 2006 a Cryogenic Technician had a Standard Threshold Shift which was diagnosed and confirmed by the OMC.</p> <p>In November 2007 a CAS Technician had a possible Standard Threshold Shift found by the OMC which is under investigation by BNL Industrial Hygiene.</p> <p>Some non-occupational noise exposure and non-noise-associated underlying medical factors may have also contributed to the hearing loss. BNL Medical Clinic reports(February 2008):</p> <ul style="list-style-type: none"> <li>Medical surveillance results indicate that work planning and exposure control measures have been highly successful at protecting BNL workers from workplace health hazards and from adverse health effects from these hazards.</li> <li>Significant hearing loss from contemporary noise exposure remains rare in the BNL working population, with only one OSHA STS recorded in the course of 521 OSHA Noise audiometries (hearing tests performed according to the OSHA standard).</li> </ul>												
*Risk:	0 to 20	21 to 40	41-60				61 to 80				81 or greater	
	Negligible	Acceptable	Moderate				Substantial				Intolerable	