

Name(s) of Risk Team Members: J. Maraviglia, P. Bergh, T. Blydenburgh, D. Passarello			Point Value → Parameter ↓		1	2	3	4	5			
Area/Facility Description Title: Collider-Accelerator Department			Occupancy or Use (A)		≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift			
Area/Facility # (if applicable): Area-Wide FRA 11-08			Severity (B)		First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability			
Area/Facility Description: Area-Wide Offices			Likelihood (C)		Extremely Unlikely	Unlikely	Possible	Probable	Multiple			
Approved by: E. Lessard			Date: 5/16/2008			Rev.#: 0						
Reason for Revision (if applicable):							Comments:					
				Risk with Controls in Place				Risk with Additional Controls in Place				
Physical Item or Activity	Hazard(s)	Control(s)	Risk with Controls in Place				Control(s) Added to Reduce Risk	Risk with Additional Controls in Place				% Risk Reduction
			Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	
Walking surfaces to and from offices	Falls on same level	Facility maintenance, postings, barriers, snow removal, snow shovels for emergency use by staff, snow-melt provided at most doors of occupied buildings, ID of snow removal priority areas, training, safety shoes, snow cleats available for staff, schedule meetings with BNL Site Superintendent each Fall to review snow removal issues, Tier 1 inspections, housekeeping policy, normal and emergency lighting, at risk people asked to wear flat shoes or sneakers	5	3	3	45						
Office shelving	Falls to lower level, such as falling from a stool	Lift limits, use of step stools, use of dedicated movers and riggers	5	2	2	20						
Office shelving	Being struck by an object, such as a shelf item	Limit usage of top shelves, lower shelf heights, Tier 1 inspections	5	2	2	20						
Storage	Combustibles	Tier 1 inspections, fire detection and suppression systems	5	3	2	30						
Storage	Blocked egress	Normal and emergency lighting, life safety codes, proper planning of office equipment layout, Tier 1 inspection	5	3	2	30						
Electrical	Fire	Proper grounding, fire detection and suppression systems, Tier 1 inspections, facility maintenance, use of listed and approved devices	5	3	2	30						
Electrical	Contact with high temperature that may result in burn	Tier 1 inspections, facility maintenance, use of listed and approved devices	5	2	2	20						

Electrical	Shock or electrocution	Proper training to NFPA 70E, proper grounding, Tier 1 inspections, facility maintenance, work planning, LOTO, GFCI, use of listed and approved devices, contractors servicing office equipment follow NFPA 70E requirements	5	2	1	10					
Electrical circuit breaker and switch operation by non-electrical workers <600VAC	Shock or electrocution	Training specifically developed for circuit breaker and switch operation by non-electrical workers. The following posting: Equipment has been evaluated for arc flash. Fed from 30kVA or less transformer. PPE required throwing circuit breaker safety glasses. All work with covers off: Hazard risk cat. 1 PPE.	1	3	2	6					
Computer and Office Machine Usage	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying of an object	Lift limits, use of dedicated movers and riggers	5	2	3	30					
Computer Keyboard Usage	Repetitive motion, visually demanding	BNL SHSD and C-AD ESHQ Division ergonomic reviews, training, use of ergonomically designed equipment, BNL OMC periodic physical examinations	5	2	4	40					
Working environment	Poor air quality, lighting	HVAC, facility maintenance, Tier 1 inspections	5	1	2	10					
Working environment	Mold, water leaks	Facility maintenance, Tier 1 inspections	5	1	4	20					
Further Description of Controls Added to Reduce Risk:											
*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater						
	Negligible	Acceptable	Moderate	Substantial	Intolerable						