

Name(s) of Risk Team Members: P. Cirnigliaro, A. Etkin, R. Karol, E. Lessard, J. Maraviglia, D. Passarello, A. Piper, R. Savage, J. Scott, M. Van Essendelft		Point Value → Parameter ↓	1	2	3	4	5				
Area/Facility Description Title: Collider-Accelerator Department Area/Facility # (if applicable): Area-Wide FRA 18-04		Occupancy or Use	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift				
Area/Facility Description: Area-Wide Warehouses		Severity	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability				
		Likelihood	Impossible	Unlikely	Possible	Probable	Multiple				
Approved by: <i>E. Lessard</i> Date: 7/20/04 Rev.#: 1		Reason for Revision (if applicable): FRA number added. Uniform hazard nomenclature added.					Comments:				
			Before Additional Controls				After Additional Controls				
Physical Item or Activity	Hazard(s)	Control(s)	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk				% Risk Reduction
Material Handling	See Facility-Wide Material Handling Evaluation	See Facility-Wide Material Handling Evaluation									
House Keeping	See Facility-Wide House Keeping Evaluation	See Facility-Wide House Keeping Evaluation									
Fire	See Facility-Wide Fire Evaluation	See Facility-Wide Fire Evaluation									
Electrical, up to 480 V ac	Shock or electrocution from exposed wiring; overheated wiring if not properly installed, overused or in disrepair; improper grounding	All equipment is listed or reviewed by CEE, Tier 1 inspections, disconnected cable policy, installations comply with applicable codes, procedures, training, distribution drawings, LOTO, working hot permits, qualified electricians and technicians, postings, locked areas, guarding, work planning, GFCI, grounding standards, emergency procedures	4	4	2	32					
Manual material handling	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying or throwing of an object	Gloves, hardhat, handcarts, dollies, training, safety shoes	4	3	4	48					
Work at heights	Falls to lower level, such as falling from a ladder or over a railing	Postings, barriers, fall protection, maintenance, training, work planning, procedures, Tier 1 inspections, PPE, approved scaffolding and platforms, approved ladders, anti-slip surfaces	4	5	2	40					

Pressurized Systems	Being struck by an object due to a pressure release	Postings, PPE, maintenance, training, work planning, Certification/testing of pressure related equipment, Tier 1 inspection.	4	3	2	24						
Pressurized Systems	Contact with temperature – steam that result in burns	Postings, PPE, maintenance, training, work planning, Certification/testing of pressure related equipment, Tier 1 inspection.	3	3	2	18						
Walking Surfaces	Falls on same level	Postings, barriers, maintenance, work planning, work platforms, Tier 1 inspection	4	3	2	24						
Chemical Handling	Burns	Procedures, compliance with regulations, training, CMS inventory, MSDS, volume controls, Fire/Rescue group response, PPE as required, locked or controlled areas, postings, labeling, proper containers, segregation, spill cleanup equipment available, Tier 1 inspections	3	3	2	18						
Chemical Handling	Asphyxiation	Procedures, compliance with regulations, training, CMS inventory, MSDS, volume controls, Fire/Rescue group response, PPE as required, locked or controlled areas, postings, labeling, segregation, Tier 1 inspections	3	3	2	18						
Chemical Handling	Eye exposure	Procedures, compliance with regulations, training, CMS inventory, MSDS, volume controls, PPE as required, eyewash and showers, locked or controlled areas, postings, labeling, proper containers, segregation, Tier 1 inspections	3	4	2	24						
Storage in general	Being struck by an object due to improperly secured material or loss of control	Inventory controls, load limits, Tier 1 inspections	4	4	2	32						
Storage in general	Bee stings, airborne pathogens	Training, work planning, Tier 1 inspections, clinic, PPE, maintenance	4	5	3	60	The C-AD ESHQ Office stocks Deep Woods OFF, which contains 25% DEET. Raid Wasp Killer is also stocked by the C-AD ESHQ Office for use as self-protection.	4	5	2	40	33%
Roofs	Leaks	Tier 1 inspections, maintenance, work planning, postings, temporary roof, janitors	4	3	4	48						
Roofs	Mold, mildew	Tier 1 inspections, maintenance	4	3	2	24						
Roofs	Electrical equipment damage	Tier 1 inspections, maintenance, work planning, postings, temporary roof, janitors	4	3	3	36						
Lighting	Poor visibility	Tier 1 inspections, maintenance, emergency lighting, temporary lighting	4	2	2	16						
Lighting	Falls on same level due to poor visibility	Tier 1 inspections, maintenance, emergency lighting, temporary lighting	4	2	2	16						
Lighting	Being struck against an object, such as a carpenter walking into a door frame due to poor lighting	Tier 1 inspections, maintenance, emergency lighting, temporary lighting	4	2	2	16						

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