

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 Electrical Issues	Occupancy or Use	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Area/Facility # (if applicable): LS-FRA-0004						
Area/Facility Description: NSLS Facility Electrical Hazards and Controls	Severity	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
	Likelihood	Extremely Unlikely <<1x/20yrs	Unlikely 1x/10-20yrs	Possible >1x/10-20yrs	Probable 1x/yr	Multiple >1x/yr
Approved by: A. Ackerman Date: 08/15/2008						
Rev.#: 2 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	
Close proximity to disconnects, switches, transformers and other distribution equipment	Electric shock, electrocution or arc flash	4	5	2	40	Proper grounding, proper equipment design (NRTL approved), proper installation, signs and postings	4	5	1	20						

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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	
Close proximity to accelerator electrical equipment (Magnet power supplies and RF equipment)	Electric shock, electrocution or arc flash	2	5	2	20	Proper grounding, proper equipment design, signs and postings, work planning, Electrical Equipment Inspections (EEI)	2	5	1	10						
Close proximity to experimental electrical equipment	Electric shock, electrocution or arc flash	3	5	2	30	Proper grounding, proper equipment design, proper enclosure or cover, experimental review, Electrical Equipment Inspections (EEI)	3	5	1	15						
Nearby to individuals working on or near energized electrical equipment	Electric shock, electrocution or arc flash	1	5	3	15	Barricades, signs and postings, training, procedures, work planning	1	5	1	5						
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		