



## NSLS OHSAS Job Risk Assessment

The only official copy of this file is the one on-line in the NSLS ESH website. Before using a printed copy, verify that it is the most current version by checking the document issue date on the NSLS ESH website.

Job Step / Task	Hazard	Before Controls					Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls					
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD
	Electrical Shock		1	3	3	5	45	Proper grounding, (proper equipment design, approval, & installation), use of NFPA 70E compliant PPE in accordance with SBMS, proper lighting	1	3	3	1	9						
	Arc Flash		1	3	5	5	75	Training, proper grounding, (proper equipment design, approval, & installation), use of NFPA 70E compliant PPE in accordance with SBMS, standards & procedures, proper lighting	1	3	4	1	12						
Electrical LOTO: Meter voltage check on energized conductor	Electrocution		1	3	5	5	75	Training, proper grounding, use of NFPA 70E compliant PPE in accordance with SBMS, (proper equipment design, approval, & installation), standards & procedures, proper CAT meter, electrical work permit, proper lighting, engineered solutions for voltage verifications	1	3	5	1	15						

## NSLS OHSAS Job Risk Assessment

The only official copy of this file is the one on-line in the NSLS ESH website. Before using a printed copy, verify that it is the most current version by checking the document issue date on the NSLS ESH website.

Job Step / Task	Hazard	Before Controls					Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls					
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD
	Electrical Shock		1	3	3	5	45	Training, proper grounding, use of NFPA 70E compliant PPE in accordance with SBMS, (proper equipment design, approval, & installation), standards & procedures, proper CAT meter, electrical work permit, proper lighting, engineered solutions for voltage verifications	1	3	3	1	9						
	Arc Flash		1	3	5	5	75	Training, proper grounding, (proper equipment design, approval, & installation), use of NFPA 70E compliant PPE in accordance with SBMS, standards & procedures, proper CAT meter, electrical work permit, proper lighting	1	3	3	2	18						

## NSLS OHSAS Job Risk Assessment

The only official copy of this file is the one on-line in the NSLS ESH website. Before using a printed copy, verify that it is the most current version by checking the document issue date on the NSLS ESH website.

Job Step / Task	Hazard	Before Controls					Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls					
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD
Electrical LOTO: Zero energy verification (if wrong isolating device was opened)	Electrocution		1	3	5	5	75	Training, proper grounding, use of NFPA 70E compliant PPE in accordance with SBMS, proper equipment design & installation, standards & procedures, proper CAT meter, electrical work permit, proper lighting	1	3	5	1	15						
	Electrical Shock		1	3	3	5	45	Training, proper grounding, use of NFPA 70E compliant PPE in accordance with SBMS, (proper equipment design, approval, & installation), standards & procedures, proper CAT meter, electrical work permit, proper lighting	1	3	3	1	9						

## NSLS OHSAS Job Risk Assessment

The only official copy of this file is the one on-line in the NSLS ESH website. Before using a printed copy, verify that it is the most current version by checking the document issue date on the NSLS ESH website.

Job Step / Task	Hazard	Before Controls					Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls						
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
	Arc Flash		1	3	5	5	75	Training, proper grounding, (proper equipment design, approval, & installation), use of NFPA 70E compliant PPE in accordance with SBMS, standards & procedures, proper CAT meter, electrical work permit, proper lighting	1	3	3	1	9							
Radiation Generating Device LOTO	Radiation exposure							Training, procedures, PPE in accordance with SBMS, labels, work planning See <b>LS-JRA-0024</b> for radiation exposure ranking numbers, proper lighting, (proper equipment design, approval, & installation)												

## NSLS OHSAS Job Risk Assessment

The only official copy of this file is the one on-line in the NSLS ESH website. Before using a printed copy, verify that it is the most current version by checking the document issue date on the NSLS ESH website.

Job Step / Task	Hazard	Before Controls					Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls						
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
May apply to any type of LOTO: (electrical, mechanical, pneumatic, hydraulic, radiation, etc.)	Struck by, crush hazard		1	3	3	5	45	Training, procedures, PPE in accordance with SBMS, labels, work planning, (proper equipment design, approval, & installation)	1	3	3	1	9							
	Reflex Injury		1	3	5	5	75	Training, standards & procedures, Good Housekeeping, Tier I	1	3	5	1	15							
	Hand tool use							See <b>LS-JRA-0014</b>												
	Hand held power tool use							See <b>LS-JRA-0013</b>												
	Elevated Work							See <b>LS-JRA-0035</b>												
<b>Further Description of Controls Added to Reduce Risk:</b>																				
<b>*Risk:</b>	<b>0 to 20 Negligible</b>	<b>21 to 40 Acceptable</b>					<b>41 to 60 Moderate</b>					<b>61 to 80 Substantial</b>					<b>81 or greater Intolerable</b>			