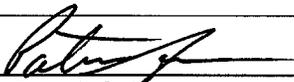


EENS Job Risk Assessment

The only official copy of this file is the one on-line. Before using a printed copy, verify that it is the most current version by checking the document issue date on the EENS OHSAS web site.

Name(s) of Specific Application Risk Team Members: J. Adams, B. Bowerman, W. Brown, Y. Celebi, D. Elling, J. Fitts, J. Madaia, A. Piper, A. Sedlacek	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Use of Powered and Non-Powered Hand Held Tools JRA #: EENS-JRA-013 Rev. #: 0 Date: 4/25/06	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Use of powered and non-powered hand held tools for construction, assembly or repair of equipment	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training Procedures List (Optional):	Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Approved by:  Date: 8/31/06 Patrick Sullivan						
Stressors (if applicable, please list all): Poor Lighting, Time constraints		Reason for Revision (if applicable):			Comments:	

Job Step / Task	Hazard	Control(s)	Before Additional Controls					Control(s) Added to Reduce Risk	After Additional Controls						
			Stressor	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD
Using non-powered hand held tools	Laceration, contusion, abrasion	Keep work area free of sharp objects, inspection of tool to verify proper condition, secure the work, proper positioning of the work, cut resistant gloves, retractable knives, use of proper tools for the job, maintain good grip on tool and part	Y	1	5	1	4	20							
	Strain or overexertion, repetitive motion strain	Proper body positioning if possible, secure work, proper tool selection, work breaks	Y	1	4	2	3	24							
	Struck by debris such as chips	Safety glasses with side shields, full face shield as appropriate, proper positioning/securing of work	Y	1	2	1	3	6							

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Job Step / Task	Hazard	Control(s)	Before Additional Controls					Control(s) Added to Reduce Risk	After Additional Controls					% Risk Reduction	
			Stressor	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	Stressors	# of People A	Frequency B	Severity C		Likelihood D
Using hand-held power tools	Laceration, contusion, abrasion	Keep work area free of sharp objects, inspection of tool to verify proper condition, secure the work, proper positioning of the work, cut resistant gloves, use of proper tools for the job, maintain good grip on tool and part, safety shoes, safety glasses with side shields, proper clothing, blade guards, full face shield as appropriate	Y	1	5	2	3	30							
	Electric shock	Inspection of cord/plug/GFCI, ground continuity test, NRTL equipment, Tier 1 inspections, double insulated and/or grounded tools	Y	1	5	1	2	10							
	Contact with hot surfaces	Verify guards are in place, use of cutting fluids, gloves as appropriate, use of sharp blades/bits to minimize heat generation	Y	1	3	1	3	9							
	Overexertion, strains/sprains, slips/falls, from poor body positioning or reaching for access	Proper equipment selection for the task, maintain adequate grip on tools, inspection of tools prior to work, appropriate PPE, work planning, adequate work space, secure work, good housekeeping practices	Y	1	3	3	3	27							
	Overexertion from repetitive motion	Proper body positioning if possible, secure work, proper tool selection, work breaks	Y	1	4	2	3	24							
	Flying sparks/debris/chips from power tool use	Safety glasses with side shields, full face shield as appropriate, proper tool selection for the job, proper positioning of work, securement of work, good housekeeping, proper clothing for task	Y	1	2	1	4	8							
	Being caught or pulled into rotating tools	Breakaway lanyard, proper clothing for the task, verify guards are in place	Y	1	5	2	2	20							

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
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