

NC Job Risk Assessment

Name(s) of Risk Team Members: L. Davis, D. Elling, R. Sabatini, E. Baker, C. Ruggiero	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Hand tool use	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Number or Job Identifier: NC-JRA-011						
Job Description: Use of powered tools and non-powered 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)	Very Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: R. Sabatini Date: 5/16/2011 Rev. #: 1						

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 tools (non-powered)	Cuts or scrapes	Cut resistant gloves, safety glasses, retractable knives, proper tools for the job, removal of worn tools.	N	1	5	1	2	10							
	Being struck against an object such as a sharp surface	Use of proper tools, gloves, have a good grip on the tool/part, keep work place free of sharp objects, inspect tools, adequate control of workspace.	N	1	5	1	2	10							

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Using hand tools (non-powered) Con't.	Falling objects	Support &/or clamp materials, PPE, control of workspace.	N	1	5	2	2	20							
	strain	Pre-Job reviews, frequent breaks	N	1	5	2	2	20							
	Struck by debris such as chips	Safety glasses with side shields, gloves	N	1	3	2	2	12							
Using Powered Hand-held tools	Cuts or struck by object	Safety glasses and other PPE, blade guards, Training	N	1	4	3	2	24							
	Electric shock	Inspection of cord/plug, GFCI, ground continuity, UL rated equipment, Tier 1, Training, Double Insulated tools.	N	1	4	3	2	24							

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Using Powered Hand-held tools Con't.	Contact with hot parts/surfaces that result in burns	Ensure guards are in place, don't touch part directly after machining, and use PPE.	N	1	4	2	3	24							
	Strains, slips, fall from poor body position or reaching for access.	Use equipment to get better footing, adequate grip on tools, inspect tools before use, Work Planning.	N	1	4	3	3	36							
	Dull tools/excessive force required to cut	Keep tools sharp, replace worn bits/blades.	N	1	4	2	2	16							

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable