

Job Risk Assessment

Name(s) of Risk Team Members: A. Piper, J. Maraviglia				Point Value → Parameter ↓	1	2	3	4	5							
Job Title: Manual Material Handling Job Number or Job Identifier: JRA 3				Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift							
Job Description: Manual lifting and reel rolling by C-AD worker observed on 6-28-04				Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability							
Training and Procedures List (optional): Back Safety Training (web-based course at http://training.bnl.gov/) Approved by: <i>E. Lessard</i> Date: 6-30-04 Rev. #: 0				Likelihood (D)	Impossible	Unlikely	Possible	Probable	Multiple							
Stressors (if applicable, please list all):			Reason for Revision (if applicable):				Comments:									
				Before Additional Controls					After Additional Controls							
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Manual lifting	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying	Back safety training, use of squat lift technique, use of a team lift, work planning	N	2	4	2	3	48								
Manual lifting	Falls on same level	Proper selection of PPE (e.g.: slip resistant safety shoes), housekeeping rules, maintenance of walking/working surfaces, use of portable lighting to increase visibility at the job site, work planning	N	2	4	3	2	48								
Manual lifting	Bodily reaction – injuries resulting from bending, climbing, loss of balance and slipping without falling	Effective supervision at the job site, portable ladder safety training, back safety training, fall protection training, use of squat lift technique, use of a team lift, use of dollies, hand trucks, etc. to minimize manual material handling, use of portable lighting to increase visibility at the job site, work planning	N	2	4	2	3	48								

Manual lifting	Falls to lower level, such as falling from a ladder or over a railing	Portable ladder safety training, back safety training, fall protection training, proper selection of PPE (e.g.: slip resistant safety shoes), selecting the proper ladder for the job, inspection of the condition of the ladder, use of portable lighting to increase visibility at the job site, work planning	N	2	4	3	2	48								
Manual lifting	Repetitive motion	Ergonomic reviews of the work, effective supervision at the job site, work planning	N	2	4	2	2	32								
Manual lifting	Being struck against an object while manually handling the load	Housekeeping rules, maintenance of walking/working surfaces, proper selection of PPE (e.g.: slip resistant safety shoes, work gloves), use of portable lighting to increase visibility at the job site, work planning	N	2	4	2	2	32								
Manual lifting - carrying a load up/down stairs	Falls to a lower lever and bodily reaction to trips	Hand rails, proper lighting, housekeeping rules, work planning, OSHA-compliant steps & handrails	N	2	3	4	2	48								
Manually rolling (moving) large cable reels	Being struck by an object, such as while manually handling the load - foot or leg injury	Proper selection of PPE (e.g.: safety shoes), work planning, effective supervision at the job site, housekeeping rules	N	2	3	3	2	36								
Manually rolling (moving) large cable reels	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying	Work planning, effective supervision at the job site, housekeeping rules	N	2	3	2	2	24								
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											