

ERP Facility Risk Assessment

Name(s) of Risk Team Members: B. Heneveld; B. Lein; J. Montalto; T. Doyle; D. Atchison; F. Sauerbrun; G. Hartsough	Point Value → Parameter ↓	1	2	3	4	5
Area/Facility Description Title: Environmental Restoration Projects	Occupancy or Use	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Area/Facility # (if applicable): ERP-FRA-006						
Area/Facility Description: General Material Handling	Severity	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
	Likelihood	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Date: December 22, 2005 Rev.#: 0						
Reason for Revision (if applicable):					Comments:	

Physical Item or Activity	Hazard(s)	Control(s)	Risk with Controls in Place				Control(s) Added to Reduce Risk	Risk with Additional Controls in Place				% Risk Reduction
			Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	
Moving items with cranes	Being struck by an object, such as a tool falling on a worker from above or falling load	Training; daily crane inspections prior to use; P.E. crane maintenance; PPE; certified rigging equipment; Tier I inspections; annual rigging inspections; load weights and center of gravity known prior to lift; procedures; qualified riggers if required; critical lift and engineered lift requirements and reviews; postings; work planning; load testing; barriers	4	5	2	40	Cranes are locked to prevent untrained, unauthorized personnel from using them. Department personnel are not allowed to perform critical lifts.	4	5	1	20	50

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			Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	
Forklift use, including electric walk-behind	Being struck by an object, such as a falling load or falling from vehicle; being struck by vehicle; hazardous atmosphere from exhaust gases	Training; daily crane inspections prior to use; PPE; seat belts; Tier I inspections; P.E. inspections and maintenance; load weights and center of gravity known prior to lift; procedures; qualified riggers if required; work planning; postings; alarms; certified riggers available; eye exams; carbon monoxide monitoring, when applicable	3	4	3	36						
Stationary hoists, manual or electric lifts	Being struck by an object, such a falling load	Training; inspections prior to use; P.E. hoist and lift maintenance; PPE; certified rigging equipment; Tier I inspections; annual rigging inspections; load weights and center of gravity known prior to lift; procedures; qualified riggers, if required; critical lift and engineered lift requirements and reviews; postings; work planning; load testing; barriers	2	4	2	16						
Manual material handling (pallet jacks, barrel and equipment carts, etc.)	Being struck by an object, such a falling load or tool	Training; certified equipment; PPE as required; limit load to rated capacity of equipment; postings; Tier I inspections; training; work planning; certified riggers, if required; manual lift weight limit	4	3	3	36						
	Overexertion injuries caused by excessive lifting, pushing, pulling, holding, carrying	Training; certified equipment; PPE as required; limit load to rated capacity of equipment; postings; Tier I inspections; training; work planning; certified riggers, if required; manual lift weight limit	4	3	3	36						

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			Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	
Miscellaneous rigging equipment use (come-alongs, lifting fixtures, a-frames, Johnson bars, skates, etc.	Being struck by an object, such a falling load or tool	Certified inspected equipment; training; work planning; engineering review and witnessed load tests; PPE as required; certified riggers, as required; load weights and center of gravity known; postings; labeling	3	4	3	36						
	Overexertion injuries caused by excessive lifting, pushing, pulling, holding, carrying	Certified inspected equipment; training; work planning; engineering review and witnessed load tests; PPE as required; certified riggers, as required; load weights and center of gravity known; postings; labeling	3	3	4	36						
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	