Task Hazard Analysis Worksheet

C-08-011-T

Date _1/15/08__ Page 1 of _____ Task # _____ Frequency of use _____1_____

Complete all information. Use as many sheets as necessary.	
Task location: Physics Storage	Task title: MIT Magnet Lift/Move
Division: PHY	Prepared by: A. Kenyon
Department: Hall C	Reviewed by (employee):
Supervisor: W. Kellner	Approved by:
Standard Requirements: RAD Worker I, Forklift Training, Journeyman Rigger Training	

Sequence of Job Steps	Potential Hazards	Risk Code before mitigation	Safety Procedures/Practices/ Controls	Risk Code after mitigation
Prepare for lift	NA	0	Before lifting magnet, get rollers and retaining brackets ready.	0
	Pinch	3	Keep all body parts from under the load when raised.	1
	Load falls	3	Keep some blocking under load near lift point in case jack fails. When blocking, be sure that it is not only stable but also suitable for holding at least 11 tons (3/4).	1
Lift blocked side	NA	0	Position two 50 ton jacks on either side of magnet ~10" from short edge. The magnet is 14 tons	0
	Tipping	2	Lift slowly and raise both sides simultaneously. Raise magnet now higher than 2" above the other side. If more height is required, block the current side and raise the other. See "Load falls" above.	1
Lower to rollers	Shock	1	Set rollers for gently rotating the magnet. Lower both jacks simultaneously and slowly.	0
Lift unblocked side	Same as other side.			

Task Hazard Analysis

Task title _MIT Magnet Lift/Move_____
Task # _____
Page __1___ of ___2__
Date ____1/15/08__

Sequence of Job Steps	Potential Hazards	Risk code before mitigation	Safe Procedures/Practices/Controls	Risk Code after mitigation
Lower to rollers	Same as other side			
Strap retainers	NA		Strap retainers to magnet.	
Move Magnet	Crash	1	Move magnet slowly.	0
	Rigging breaks	2	Check rigging before move. Install softeners at sharp corners.	0
	NA		Pull magnet forward with Toyota, stop before you trap it.	
Push Magnet	Forks slip	2	Use wood between fork tips and magnet. Move magnet slowly. Never stand near forks or between magnet and fork truck while pushing.	1
	NA		Adjust direction of magnet as needed by jacking up (one corner at a time) just enough to a rotate roller.	