

Vector to ZERO: HAZARD HUNT

RISK ASSESSMENT

See Appendix A for Risk Assessment Matrix

1. Organization and Unit Location:

2. Mission/Task: 3. Begin Date: 4. End Date: 5. Date Prepared:

6. Operational Phase in which the Mission/Task will be conducted:

7. Tasks	8. Identify Hazards	9. Initial Risk Level	10. Develop Controls	11. Residual Risk Level	12. Implement Controls ("How To")	13. Who/How Supervised
Use this column to describe task or hazard types/categories	Identify all hazards related to task or risk category	Risk level rating before controls	Identify as many controls as necessary to reduce the hazard risk level to an acceptable rating.	Risk level rating after controls	How to implement controls	Who is responsible to implement controls or How will controls be implemented
Hazardous Materials Exposures						
Hazards of Unauthorized Container Use						
Flammable Hazards						
Exposure to high heat and direct sunlight						
Physical exertion and work schedules						
Walking/Working areas						
Using Hydraulic Equipment						
Tension and Compression Hazards						
Personal Protective Equipment Use						
Respiratory Health						
Hand Protection						
Eye & Face Exposures						
Leg and Foot Exposures						

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Noise Exposure						
Working From Heights						
Overhead Hazards						
Poor Visibility						
Chemical Agent Resistant Coating Hazards (CARC)						
Exposures When Walking						
Electrical Exposures						
Emergency Actions						
Radiation/Unexploded ordinance Hazards						
Vehicle Operations						
Port Operations						
Staging Areas Operations						
Wash rack (WR) Operations						
Rough Terrain Container Handler (RTCH) Operations						
Heavy Equipment Transporter (HET) Operations						
Crane & Hoist Operations						
Environmental Mgmt						
Wildlife						
Sanitation & Cleanliness						
General Ergonomics						
Office Ergonomics						
Other						

Appendix A

Classification Table: Based on Likelihood/Controls Rating x Severity Rating

Likelihood / Control Rating	Severity Rating				
	1 Insignificant / Positive	2 Minor	3 Moderate	4 Major	5 Severe
5 Almost certain	5	10	15	20	25
4 Likely	4	8	12	16	20
3 Possible	3	6	9	12	15
2 Unlikely	2	4	6	8	10
1 Rare	1	2	3	4	5

Significance
 20 – 25 Very High
 10 – 16 High
 3 – 9 Medium
 1 – 3 Low

Likelihood / Control Rating Assessment Table

Rating		Description
5	Almost certain	The event is expected to occur in most circumstances.
	Negligible or no Control	Control of the aspect /hazard is nonexistent or totally ineffectual. There are no controls and knowledge of the impact / risk is negligible
4	Likely	The event will probably occur in most circumstances - known history of occurrence.
	Slight degree of Control	There are some controls in place (either procedures or physical) and there is some awareness of a control requirement. Such controls only have limited effect on reducing the relevant environmental impact or occupation health and safety risk.
3	Possible	The event could occur at some time - history of single occurrence.
	Moderate degree of control	There is recognizable control on the aspect or hazard. This may include procedures, management controls or physical controls, but they are not totally effectual and implementation / use of them are not comprehensive
2	Unlikely	The event is not likely to occur in normal circumstances.
	Medium degree of Control	There is significant control on the aspect / hazard through procedures, management control and physical controls. Relevant parties are aware of such controls and they are generally affectively applied.
1	Rare	The event may occur only in exceptional circumstances.
	High degree of control	

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		All (or practically all) necessary procedures, management controls and best practice have been implemented and compliance with such procedures and best practice is high. The impact / risk has been minimized to very significant extent.				
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Severity Rating Assessment Table

Rating		Description
5	Severe	The parameters of the aspect/impact and/or hazard/risk are comparatively high and combined in a manner that causes, or could result in death, permanent total disability, loss exceeding \$1M, or irreversible severe environmental damage that violates law or regulation
4	Major	The parameters of the aspect/impact and/or hazard/risk exist at a level that does or will result in permanent partial disability, injuries or occupational illness that may result in hospitalization of at least three personnel, loss exceeding \$200K but less than \$1M, or reversible environmental damage causing a violation of law or regulation.
3	Moderate	The parameters of the aspect/impact and/or hazard/risk all exist at recognizable levels and are / can result in injury or occupational illness resulting in one or more lost work days, loss exceeding \$20K but less than \$200K, or mitigatable environmental damage without violation of law or regulation where restoration activities can be accomplished..
2	Minor	Some of the parameters exist at recognizable levels and are (can) result in injury or illness not resulting in a lost work day, loss exceeding \$2K but less than \$20K, or minimal environmental damage not violating law or regulation. The effect of such change is easily recoverable or self recovering, and there is no lasting impact.
1	Insignificant / Positive	None of the relevant parameters exist at a level that can cause injury or illness, financial loss, or environmental change, or the aspect results in a positive environmental effect.