

Job Safety & Environmental Analysis

Memorial University, St. John's, Newfoundland and Labrador, Canada MATE International ROV Competition 2016, Explorer Class

Task:	Pre-Flight Set Up	Note: Please utilize JSEA for Launching/Operating ROV and Recov
Analyzed by:		ery/Teardown following any actions past this assigned task. Make
Date:	 	reference to Oceaneering Americas Region HSE Employee Hand- book, where applicable.
Safety Delegate Signoff:		воок, мнеге аррпсавіс.

Steps	Hazards	Controls	Action Items	Responsible Employee
Housekeeping	Tripping hazardsSpilled chemicalsLeftover clutter	Elimination: Remove left over materials from previous station user. Remove unnecessary debris on floor to prevent trips and slips.		
		Personal Protection Equipment: When preforming cleanup, wear appropriate safety gloves, safety glasses and CSA Ohmic rated steeled or composite toe footwear. Use MSDS sheets where appropriate. Administrative Controls: Use proper disposal protocols when disposing of un-wanted chemicals.		
Pre-flight Setup	- Improper connections leading to electrocution	Elimination: Insulate all electrical equipment before entering work station. Troubleshoot all un-safe electrical work prior to launch. Engineering Controls: Topsides circuit breaker and TCM circuit breaker to prevent power surges.		



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Task:	Launching/Operating ROV	Note: Please utilize JSEA for Recovery/Teardown following any ac-
Analyzed by:		tions past this assigned task. Make reference to Oceaneering Ame icas Region HSE Employee Handbook, where applicable.
Date:		icas Region HSE Employee Handbook, where applicable.
Safety Delegate Signoff:		

Steps	Hazards	Controls	Action Items	Responsible Employee
Launch	- Improper protective bar- riers surrounding pool	Elimination: Organize tether to prevent tangling during launch.		
	Slipping HazardsOpen Water HazardMusculoskeletal strains	Substitution: Use buddie system when launching ROV into the pool in replacement of protective barrier, preventing employees from falling into water. Ensure one hand of buddy is on the upper body of the deploying employee. Personal Protection Equipment: Use Personal Floatation Device when launching ROV or on deck of the pool.		
		Administrative Controls: Ensure use of proper lifting technique before lifting ROV into the water.		
Flight	Tether tripping hazardAction Orientated mindset	Elimination: Use proper coiling procedures for tether. Administrative Controls: Keep corporate safety mindset in upmost importance. Remind fellow colleagues to do the same when supporting the task at hand.		



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Task:	Recovery/Teardown of ROV	Note: Make reference to Oceaneering Americas Region HSE Em-
Analyzed by:		ployee Handbook, where applicable.
Date:		
Safety Delegate Signoff:		

Steps	Hazards	Controls	Action Items	Responsible Employee
Recovery/Post Flight	Rotational HazardsFalling HazardsTripping HazardsMusculoskeletal strains	Elimination: Ensure following Safety Checklist when recovering ROV. Ensure Thrusters are off to prevent injuries involving rotational hazards. Ensure tripping hazards are known and eliminated to the best of the worker's ability. Continue to use buddy system to protect employees falling into the pool. Administrative Controls: Ensure use of proper lifting technique before lifting ROV out of the water.		
Post Flight Teardown	- Electrocution - Un-safe shutdown	Engineering Controls: Topsides circuit breaker and TCM circuit breaker to prevent power surges. Administrative Controls: Follow Safety Checklist for proper teardown order and insure all hazards are minimized.		