

JOB SAFETY ANALYSIS

Safety Information for the Dalhousie TigerSharks ROV Team

Dal TigerSharks ROV Operations Team Member

TASK	HAZARDS	PREVENTIVE MEASURES
1. Workstation Organization	<ul style="list-style-type: none">-Cluttered work station-Chemical hazards-Hazardous tool use	<ul style="list-style-type: none">-Make sure the workstation is well organized before starting anything.-Ensure chemicals are in proper containers and that any spills are properly cleaned up.-Ensure proper tool use and handling
2. Transportation/Handling	<ul style="list-style-type: none">-Slipping/Tripping/Falling-Physical Strain	<ul style="list-style-type: none">-Ensuring proper footwear is worn.-Make sure the tether is wrapped up and organized.-Ensure proper lifting technique is used when handling ROV.-Ensure that more than one person is lifting the heavy loads.
3. Pre-Launch Setup	<ul style="list-style-type: none">-Improper electrical connections-Tripping hazards	<ul style="list-style-type: none">-Ensuring proper seal of electrical components-Ensuring proper connection of electrical connections-Ensure tether is properly laid out when unraveling.
4. Launch	<ul style="list-style-type: none">-Improper safety barriers around pool-Tripping hazard-Open water/drowning hazard-Physical strain	<ul style="list-style-type: none">-More one person take part in launching ROV into water. One person to launch ROV into water with another person restraining launcher from falling into water.-Ensure tether is flat on floor when unravelling from tether coil.-Ensure persons who cannot swim are to wear life preserver vest to prevent drowning.-Ensure proper lifting and moving when handling ROV. Use more than one person if needed.

5. Flight	<ul style="list-style-type: none"> -Tether tripping hazard -Open water hazard 	<ul style="list-style-type: none"> -Ensure tether is unraveling in a controlled manner to prevent tripping -Ensure persons are clear of the pool side to prevent from falling into water.
6. Recovery and Teardown	<ul style="list-style-type: none"> -Tether tripping hazard -Falling hazard -Strain hazard -Electrocution hazard 	<ul style="list-style-type: none"> -One person to pull tether up with ROV with a second person travelling the tether in a safe and organized manner. -More than one person take part in recovering ROV from nwater. One or persons to recover ROV from water with (an)other person(s) restraining receiver(s) from falling into water. -Ensure proper lifting technique is used when handling ROV. -Ensure all power is turned before removing/handling any electrical connections.
<p>Required Training:</p> <ul style="list-style-type: none"> -Proper lifting technique to be taught to all persons handling ROV. -Proper use of tools and chemicals used in construction and maintenance of ROV prior to launch. - 		<p>Required Personal Protective Equipment (PPE):</p> <ul style="list-style-type: none"> -Life preservers for those requesting -Proper non-slip work shoes to be worn