

JOB SAFETY ANALYSIS – DALHOUSIE ROV TEAM (DalROV)

Organization: DalROV | Location: Poolside | Job Title: DalROV Operations Team Member

Sequence of Basic Job Steps:	Potential Hazards:	Recommended Actions or Procedures
<u>ON LAUNCH/POWER UP:</u> 1. Connect the tether to the power supply and ROV	<u>ON LAUNCH/POWER UP:</u> - Electrical shock	<u>ON LAUNCH/POWER UP:</u> - Ensure that the power supply is disabled before Attaching
2. Power on the ROV	- Electrical shock	- Ensure that there are no shorts in the circuit - Never touch the power circuit with wet or damp hands
3. Confirm operation of key systems	- Fingers pinched in moving parts	- Keep all body parts away from the ROV
4. Gently lower the ROV into the water	- Lower back, arm or shoulder strain - Potential for slipping on the deck and falling into water	- Have two people lower the ROV - Wear life jackets
5. Pilot the ROV away from the edge	- None observed	- None observed
<u>DURING USE:</u> 1. Pilot the ROV and accomplish any tasks required	<u>DURING USE:</u> - Tether becomes a tripping hazard when uncoiled	<u>DURING USE:</u> - Coil tether in one location away from operators
<u>ON RETURN/POWER DOWN:</u> 1. Pilot the ROV back to the poolside	<u>ON RETURN/POWER DOWN:</u> - None observed	<u>ON RETURN/POWER DOWN:</u> - None observed
2. Gently remove the ROV from the water	- Same hazards as lowering the ROV	- Same actions as lowering the ROV
3. Remove any objects the ROV has retrieved	- Potential for pinched fingers in claws	- Open all claws before removing objects
4. Power down the ROV	- Electric shock	- Never touch the power supply with wet hands
5. Disconnect the tether from the power supply and ROV	- Electric shock	- Ensure that the circuit is powered down before disconnecting the tether