



Job Safety Analysis

Oostburg ROV

Job Step	Potential Hazards	Reducing Risk Methods	Person or people Responsible
Set Up Pool side control station	<ol style="list-style-type: none"> 1. Damage to equipment through mishandling 2. Damage to team members bodies through carelessness 	<ol style="list-style-type: none"> 1. Ensure everyone is focused on the current task 2. Making sure equipment is handed off correctly and all PPE is worn 	Entire Pool Deck
Set up controller and laptop	<ol style="list-style-type: none"> 1. Damage to input points via carelessness 	<ol style="list-style-type: none"> 1. Gently plug cords into slots of laptops and ensure they are fully in 	Ben and Charlie
Connect Tether to both power supply and laptop	<ol style="list-style-type: none"> 1. Damage to laptop via electrical discharge 2. Electrocutation from unprotected wire 3. Tripping from unsecured tether wire 	<ol style="list-style-type: none"> 1. Check to make sure that proper fuse is located in fuse container 2. Go over entire tether to make sure all wires are properly insulated 3. Make sure that all wires are tied tightly together on the tether 	Elijah, Josiah, and Luke



<p>Make sure all electrical connections are properly secured and plugged in</p>	<ol style="list-style-type: none"> 1. Electrocution from unsecured wires 2. Damage to pool from electrical current 3. Damage to ROV from electrical discharge 	<ol style="list-style-type: none"> 1. Check power supply is properly plugged in and tether is properly secured in power supply 2. Make sure power supply into ROV is properly attached and wired correctly 3. Make sure all wiring on ROV is done correctly and no wires are exposed 	<p>Entire Pool Deck</p>
<p>Start initial diagnostics of ROV and make sure all systems are running</p>	<ol style="list-style-type: none"> 1. Potential overload of system from too much voltage 2. Potential damage to thrusters from debris caught inside them. 	<ol style="list-style-type: none"> 1. Ensure that proper voltage is on the power supply. 2. Make sure that all thrusters are clear of debris and can rotate freely 	<p>Josiah and Ben</p>
<p>Lower ROV into pool</p>	<ol style="list-style-type: none"> 1. Potential tension damage to tether 2. Potential strain to team members backs 	<ol style="list-style-type: none"> 1. Support the ROV on the secure points of the frame as it is lowered into pool 2. Ensure that multiple people are lowering the ROV into the pool so that the strain is spread out. 	<p>Elijah and Josiah</p>