

# JOB SAFETY ANALYSIS (JSA) 2024 REPORT



*Picture by Erin Gallegos*

***“Don’t be safety blinded,  
be safety minded.”***

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Corpus Christi, TX, USA

## Table of Contents

I. JSA Table	03
II. Safety Features	04
III. Training Tracking Log	06

## I. JSA TABLE

Task	Hazards	Recommendations	Responsible Person(s)
Entering/Exiting the pool	Slipping	Teammates are required to wear closed-toed, non-slip shoes while working by the pool.	Erin Gallegos-Safety officer
	Damaging Equipment	Carefully packing and securing the equipment during transportation to prevent the risk of causing damage during travel.	Deiondra Washington - CEO
Deck Operations Set-up	Miscommunications	Create a flowchart or a list of operations that will help facilitate successful and quick deck setups.	Albert Mendoza-CEO
	Injury when removing ROV or equipment from the cart.	Members are trained now how to properly lift the heavier and more bulkier equipment. This training helps with exposure to repetition and limits injuries.	Erin Gallegos-Safety officer
Power up	Excessive current to ROV system	To prevent excessive current to the ROV system, there is an emergency shut off connected to the Power supply of the Stingray	Enyan Perales-Chief Electrical Engineer
Poolside operation	Injury	Members are trained on proper deck operations. Members are required to wear safety equipment and take safety requirements such as wearing safety glasses, closed toe, non-slip shoes, hair tied back.	Erin Gallegos-Safety officer
	Injury to fingers while interacting with the ROV	To prevent injury to deck crew members, ensured that there are no sharp corners on the ROV and designs thruster guards that meet IP-20 standard so that no foreign materials or fingers can be enter and or be damaged by the thristures	Erin Gallegos-Safety officer
System breakdown	Damage to equipment	Members careful pack and secures the equipment on our cart to avoid	Deiondra Washington -

		important equipment from fallings off the cart during transport and causing damage to the ROV	CEO
	Misplacement of equipment	Prevents the misplacement of equipment by having a person in-charge of each piece of equipment place it in its designated location.	Albert Mendoza-CEO
	miscommunications	Team members have a set of deck breakdowns procedure that helps facilitate successful and quick deck breakdowns	Albert Mendoza-CEO

## II. Safety Features

<b>Lab Safety</b>	<ul style="list-style-type: none"> <li>● Hair must be up and out of face</li> <li>● No Jewelry</li> <li>● No Baggy/Open Clothing</li> <li>● Closed-toed shoes</li> <li>● No Horse Playing</li> <li>● Safety Goggles and / or safety gloves when needed</li> <li>● Unplug tools when finish and put them back where they belong</li> </ul>
<b>ROV Safety</b>	<ul style="list-style-type: none"> <li>● All sharp edges filed down</li> <li>● The Lexan frame is surrounded with rubber on the edges to round the sharp edges.</li> <li>● The thrusters and claws have hazard tape to discourage people from placing their hands near them.</li> <li>● The thrusters have plastic shrouds above and below them to avoid any harm or injuries to marine life.</li> <li>● cover the tether with tether casing</li> <li>● All wires and the control system are labeled</li> </ul>

## Safety Procedures

<p>Constructions:</p> <ul style="list-style-type: none"><li>● Go over the propper plan with all the employees to ensure everyone is one task</li><li>● going over the plan results in having everything in order and having everyone on task decreases the the chance of recklessness</li><li>● While everyone is working, the safety officer goes around making sure everyone is following proper safety protocols</li><li>● When everyone is finished they make sure to unplug tools and put them back and clean whatever mess they made</li><li>● When completing each task and an employee is have trouble to prevent mistakes they are you get a second opinion is presented if needed</li></ul>	<p>Operation:</p> <ul style="list-style-type: none"><li>● Whenever an employee is working with electricity, the safety officer checks the voltage currents as a precaution and checks the power source is operating</li><li>● If the power were to lose the fuses will be checked making sure it's able to work</li><li>● All Power cables are effectively covered and out of sight with not wet surfaces nearby</li><li>● An effective system check is demonstrated in order to prepare for any task</li></ul>
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### III. Training Tracking Log

Team Member Name and Position	Year	Acronym	Basic Safety training	Operations Safety training
Albert Mendoza - Chief Executive officer	25'	CEO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Deiondra Washington - Chief Sustainability Officer	24'	CSO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Jonah Morales - Chief Operation Officer	25'	COO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emery Johnson - Chief Financial Officer	25'	CFO	<input checked="" type="checkbox"/>	
Layla Chapa - Corporate Responsibility Specialist	25'	CRS	<input checked="" type="checkbox"/>	
Exavier Rodarte - Chief Design Engineer	25'	CDE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enyan Perales - Chief Electrical Engineer	25'	CEE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Audree Alvarado - Technical Documentation Specialist	25'	TDS	<input checked="" type="checkbox"/>	
Alan Castaneda - Special Operations Officer	25'	SOO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Erin Gallegos - Chief Safety officer	25'	CSO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Christian Estrada - Safety Auditor/pilot	25'	SA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ronica Hernandez - Staff support Specialist	26'	SSS	<input checked="" type="checkbox"/>	
Lorenzo Corpus - Prop specialist	25'	PS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Zane Hosey - Electrical Engineer	26'	EE	<input checked="" type="checkbox"/>	
Jonathan Loredo - Electrical Engineer	26'	EE	<input checked="" type="checkbox"/>	
Chris Sosa - Tether specialist	24'	TS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>