

Job Safety Analysis (JSA) Form

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Picture of task/equipment:	Task:	LAUNCHING ROV & WATER SAFETY
	Analyzed by:	
	Date:	

Required Personal Protective Equipment:

- A buddy (never work alone)
- Life jacket (if conditions call for one)
- Laser-rated safety glasses (if ROV has lasers)
- Non-slip shoes
- Sun protection (if outdoors)

Required/Recommended Trainings:

Practice launching/removing ROV from pool.

Refer to "Stingray 2015 Safety/Operation Checklist".

TASK	HAZARDS	CONTROLS	
Pre-launch Slips / Trips / Falls Eye Damage		Wear non-slip footwear and inspect pool area for trip hazards before launching ROV. Keep an eye on the tether.	
		Wear laser safety glasses rated for ROV laser wavelength of 650nm (red).	
	Electrocution	 Verify power switches and circuit breaker on Tether Control Unit (TCU) are off. Verify electronics housings are sealed. Check top-side and bottom-side of enclosure. Ensure all tools are appropriately guarded and electrical appliances are protected by means of a residual current device. Ensure all extension cords are in a safe condition with plugs and connections properly wired. 	
Launch and Retrieval	Back strain	 Kneel down. Stay low and close to pool edge. Avoid sharp twisting movements and do not over reach for ROV. 	
	Finger Damage	Make sure thrusters are disabled and/or power is shut off to the vehicle before putting hands and fingers near thrusters.	
Drowning Sunburn		Never launch alone. Ensure all personnel can swim or wear a life jacket. In some conditions, all personnel must wear life jackets.	
		Sunhat / sunglasses / sunscreen / protective clothing	
	Electrocution	If a leak is detected, immediately cut power to TCU.	