

Task

#

4

Set up Control Station

Connect Tether to ROV

for possible hazards or

MATE safety violations

Fill Air Compressor

Put ROV into water

Check over all connections

Job Site Safety Analysis (1/2) Job: ROV Operation Hazard

1A: Potential damage to mission-critical

equipment through mishandling

poolside teams via dropping or

mishandling equipment.

wiring or other obstructions

electrical discharge.

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1B: Potential injury to extremities of

2A: Potential tripping due to unsecure

2B:Potential damage to mission-critical

equipment through mishandling or

3A: Potential mishandling by user.

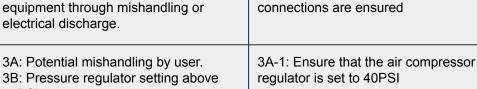
4A:Potential injury to poolside crew

systems via accidental dropping

via possible electrocution.

through falling into competition pool or

4B:Potential damage to ROV frame and



injury

launching.

connected.

Date: 05-15-2019

Employees: Ariana Correia, Amber Dellacqua, Vanessa Huerta, Shraddha Zina

Person(s)

Zina

Zina

Responsible

Amber Dellacqua, Shraddha

Ariana Correia. Shraddha

Vanessa Huerta

Vanessa Huerta

Control Measure

1A-1: Wrap all sharp objects.

1B-1: Ensure equipment is mounted.

1B-2: Wear safety goggles to prevent

2A-1: Tether and other cables are

mounted accordingly and out of way

4A-1: Wear non-slip shoes and inspect

4A-2: Ensure power switches are off.

Ensure all connections are properly

4B-1: Ensure all crew members are extremely cautious when handling

pool area for trip hazards before

2B-1: Keep items turned off until all



Task

ROV Test

ROV Operation

ROV Retrieval

Packing and Disconnection

#

5

6

Job Site Safety Analysis (2/2) **Hazard**

Job: ROV Operation

5A: Potential damage to ROV

5B: Potential damage to ROV

6A: Potential strain on ROV

6B: Potential tripping hazard to

6C: Potential electrical hazard if

housing is not properly sealed

7A: Potential back strain, cuts,

8A: Potential damage to mission

critical equipment if mishandled

8B: Potential injury to handler

drowning, and electrocution

thrusters in open air

poolside members

systems through voltage overload

thrusters through running aquatic

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Person(s) Responsible

Ariana Correia, Shraddha

Vanessa Huerta, Shraddha

7ina

Zina

Vanessa Huerta

Shraddha Zina

Ariana Correia, Amber

Dellacqua, Vanessa Huerta,

Control Measure

pool properly

caution

mount.

5A-1: Ensure power converter is

5B-1: Ensure ROV thrusters are not

run at high speeds while in open air.

6A-1: Ensure the tether feeds into the

6C-1: Ensure the housing is properly sealed, no water inside, properly lubricated, flange in all the way.

7A-1: Kneel down, stay low at the

is shut off. Never launch alone

8A: Ensure that equipment is

organized and returned to original

8B: Carefully and safely take time

edge of the pool. Make sure all power

6B-1: Ensure poolside members

procede feeding the tether with

dialed to correct voltage (12v)