

ACTIVITY HAZARDS ANALYSIS

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Project: EC-HMQ

Job: Boat Operations

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Risk Assessment Code(RAC):

H

E = Extremely High Risk
 H = High Risk
 M = Moderate Risk
 L = Low Risk

		P r o b a b i l i t y				
		Frequent	Likely	Occasional	Seldom	Unlikely
S e v e r i t y	Catastrophic	E	E	H	H	M
	Critical	E	H	H	M	L
	Marginal	H	M	M	L	L
	Negligible	M	L	L	L	L

Recommended Protective Clothing & Equipment:

USCG Approved PFD, Throwable Device, Special Use Devices and/or Auto Inflatable Device, [Fire Extinguisher](#), [First Aid Kit](#), [Insulated Float Suit](#), [PPE](#), [marine radio](#), [cell phone](#), [float plan \(if remote or only one person in boat\)](#), [air horn or other signaling device](#)

Occasional, Catastrophic

JOB STEPS	HAZARDS	ACTIONS TO ELEMIMATE OR MINIMIZE HAZARDS	EM 385-1-1 (PARA REF)
<p>General Operations - 26' or under boat operation, inspection and maintenance</p>	<p>Death, bodily injury, drowning, inclement weather, pinches, cuts lacerations, fuel operations, material/equipment handling, working in and around water.</p>	<ol style="list-style-type: none"> 1. Possession of a valid motor boat operator's permit. 2. Obey maximum number of passengers. 3. Make & use a safety checklist prior to entry into water. 4. Ensure that there is the correct number of USCG approved PFD's are available and properly worn. 5. Ensure the correct size anchor & rope is available at all times. 6. Check all safety items in vessel. <ol style="list-style-type: none"> a. Whistle or other audio signaling device. b. Fully stocked & identifiable first aid kit. c. Fire extinguisher in good working order. 	<p>Section 5.H & J Section 1.C.4.a Section 19.F</p>

- d. Life rings/boat hook available and in good working order.
- 7. Become familiar with the water safety rules for lakes and rivers.
- 8. Pre-use inspection & test of vessel.
 - a. Navigational lights working properly.
 - b. Bilge pump operational.
 - c. Fuel tank(s) properly vented.
 - d. Fuel lines in good shape.
 - e. Electrical wiring in good shape.

9. Auto- Inflatable PFDs:

Employees shall follow manufacturer's instructions for wearing, assembling CO2 cartridge mechanism, and pre-work inspection of PFDs

Do not expose auto-inflatable device to work environment that has potential to cause device damage such as welding slag, sharp objects, punctures, solvents, crushing, etc.

PFD shall be stored according to manufacturer's recommendations when not in use – PFD shall not be exposed to excessive moisture, crushing, extreme heat, etc. while stored.

Devices shall be worn and used properly – if a PFD inflates when wearer is not immersed it may cause injury or an accident. If such inflation occurs, it shall be reported to supervisor and to National Operations Center for Water Safety for possible action on a national level.

All auto-inflatable PFD users shall have basic ability to tread water and must be physically able to swim while wearing these PFDs. Persons with injuries or illnesses that temporarily or permanently prevent them from being able to swim shall not use auto-inflatable PFDs for the duration of the illness or injury.

Offices that issue auto-inflatable PFDs to employees shall maintain an adequate number of recharging kits for the CO2 cylinders. Employees shall be instructed on how to obtain a recharge after deployment. Devices shall not be used until recharged

10. Wear suitable PPE to prevent cold weather related injuries working in and

around water dependent upon seasonal conditions (e.g. insulated whole body PPE)

11. Wear PPE (gloves, coveralls, bibs, etc.) as needed and observe proper lifting techniques and the “buddy-system for material/equipment handling.