



**WP/SEA MINIMUM REQUIREMENTS
VESSEL CLEANING**



MEMORY JOGGERS

Ensure that the following conditions are met before proceeding. If not met, address on WP/SEA.

- Communicate the **“RIGHT TO STOP WORK AUTHORITY POLICY”** and is exercised by all crewmembers and other personnel that believe something or some condition has changed. The job is to be stopped and accessed before proceeding. The WP/SEA may need to be modified or a new WP/SEA maybe required before starting the work task again.
- Review the scope of work with all crew members to ensure a clear understanding among the crew.
- Make sure an eyewash station and shower are located in the direct proximity of the job.
- Inspect all tools and equipment prior to begin of work.
- Make sure all rescue equipment is in working order and all 30min. bottles and 5min packs are filled and assigned to designated rescue team members.
- Identify muster station and alternative muster station on dock.
- When setting up equipment make sure all air hoses have pins and whip checks and other hoses are properly secured.
- When spraying soap and using pressure washer make sure the proper PPE is worn.
- Never place hand are any other body part in front of pressure washer.
- Provide continuous tank monitoring in 15 min. intervals.
- Complete and review LO/TO JSEA and LO/TO isolation list.
- Complete and review the Vessel Opening and Ventilating Minimum Requirement.
- Complete and review the Pumping to a Cutting Box Minimum Requirement.
- Identify the vessel entrants, hole watches, and rescue personnel on Minimum Requirement.
- If Hot Work is to be performed, a LIFE Representative will be on site, at a minimum, to verify 100% Isolation. When and if the job scope complexity dictates a higher standard of safety, the LIFE Representative may be directed to stay for the entirety of the job.

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MINIMUM REQUIREMENTS	
1)	Verify All conditions identified in the “Memory Joggers” section are met (or are not applicable); if ANY are not met, STOP and add the necessary step to the WP/SEA to ensure the safest method possible.
2)	Ensure that Confined Space Entry Permit is completed and all Confined Space Entry stations are assigned.
3)	Provide 100% Positive Isolation for Vessel. Ensure that the Isolation Leader is competent in Isolation Techniques.
4)	Conduct site inspection with Crew & LIFE Representative to verify Lock Out/Tag Out, Blinding and/or removal of lines.
5)	Check all in-line gauges and verify “0” pressure.
6)	Install Drip Pans, Pumps and Hoses to open Man-Way for the prevention of spills.
7)	Open Man way slowly to allow, if any, trapped pressure to release. (All personnel engaged in the opening of Man Ways must don a positive pressure breathing apparatus)
8)	Perform Atmospheric Testing to ensure air quality and provide proper ventilation to vessel.
9)	Wash vessel with detergent (GIS 100) to rid solids. While washing drain from lowest point of vessel and/or utilize a pump to remove residual fluids. (Ensure pumps meets Class I, Division II, Group D electrical classification)
10)	Provide continual communication between the cleaning tech and cutting box watch for the prevention of over fill.
11)	Inspect interior to determine cleanliness. (IF FOUND UNCLEAN – REWASH VESSEL)
12)	If vessel walls have build up, such as Barium, Calcium &/or Rust, the vessel may need to be Pressure Washed for removal of excess build up. (Hot water removes oil faster but reduces visibility.) (NOTE: chemicals & paraffin can be behind rust and scale.)
13)	If paraffin is heavy, the walls can be rewashed with detergent and scrapped or scrubbed.
14)	To steam the vessel, you must be sure of safe location for the steam unit. Consider temperature drop with distance. Major safety hazards dealing with live steam, the vessels and components ability to withstand the amount of heat that is needed to complete the task and the duration of time that will be required to achieve the highest level possible of efficiency. Allow the vessel to cool down prior to touching or working on the equipment.
15)	Caution: During the steaming, there will be a lot of light ends escaping in the water vapor; this can not be ventilated while the steaming process takes place because the temperature will not climb to the desired amount when the blower is on.
16)	Wash down the vessel again with ambient temperature water to remove anything that may have ran down the walls during the steaming. This may require another pressure washing of the vessel.
17)	Once clean & prior to work, turn off blower and re-check atmosphere levels.

ENSURE MINIMUM REQUIREMENTS NUMBERS ARE RECORDED ON WP/SEA