



**WP/SEA MINIMUM REQUIREMENTS
ICP Installation**



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.
- Verify clear access for installing spool piping to be installed.
- Conduct site inspection with the crew to determine the integrity of purposed lifting points on the platform structure.
- Verify the weight of the purposed spools to be lifted is within GIS Rigging Practices limit.
- When required place 3/8” or 1/2” plywood over fiberglass grating for transporting piping spools.
- Verify that the flange faces are free of nicks, paint, damaged areas and are clean.
- Verify that the piping to be lifted is free of water and oils both inside and outside and is dry.
- Nylon Straps shall be used when lifting piping spools.
- Verify good communications is established and maintained between the lift operator and the crew while observing the piping being lifted.
- Do not place hands in the end of the pipe or put them on flange faces while being moved or transported.
- Verify that the pipe spool has no loose bolts or foreign materials left inside of them.
- Verify that all QC requirements have been met and have been released for installation.
- Observe and verify that the piping spools being lifted doesn’t snag or catch on other piping or structural steel previously installed.
- Verify that a yellow barrier and caution signs are in place before transporting spools to the installation area.
- Verify that a red barrier and caution sign are in place before lifting piping spools into the pipe racks.
- Verify all instruments, needle valves and gauges have been protected or have been removed if possible.
- Verify containment is in place before opening flanges.

CONTINUED ON NEXT PAGE

MINIMUM REQUIREMENT

40

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| 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) | Review the work scope with the crewmembers and associated personnel before starting lifting operations. |
| 3) | Install lift hoist or (chain come-a-long, cable puller, etc) as per GIS Safe Rigging Policy. |
| 4) | Lower piping spools onto designated staging area. |
| 5) | Place spools onto a heavy-duty cart and detach rigging. |
| 6) | Slowly move the cart from the staging area to the piping installation area. |
| 7) | Install rigging to pick up pipe off of cart and lift into position. |
| 8) | Rigging is to consist of a beam clamp connected to a girder or suitable beam located above the installation area. (Refer to the GISY Rigging Policy for suitable beam size) |
| 9) | A sling with an eye on both ends will be shackled to the beam clamp and the other end hanging down. |
| 10) | Fasten the strap around the pipe and tension to ensure the piping spool is level. |
| 11) | If required erect a scaffold or work platform using Scaffolding and Fall Protection Minimum Requirements. |
| 12) | All air hoses, tools and electrical devices are to be out of the walk area and clean. |
| 13) | Locate and place a toolbox containing hammer wrenches, torque wrench if required, gaskets, bolts and sockets. |
| 14) | Piping to be installed to existing piping shall be verified by operations before continuing. |
| 15) | Ensure there is no pressure on the line and all valves are tagged in accordance with GIS Lock-out/Tag-out Policy. |
| 16) | Place drip pan and spill containment below flanges to catch fluids that may have been trapped in the piping system before opening them. |
| 17) | Loosen one bolt at a time to ensure that there is no pressure on the piping. |
| 18) | Clean faces on existing piping and complete a survey of the face and gasket area. |
| 19) | Lift Spool into position installing new gasket in between the flanged area if required. |
| 20) | Install bolts and tighten by hand. |
| 21) | Hammer wrench tight or Torque all bolts to desired torque pressures. |
| 22) | Repeat all steps above until piping installation is completed. |
| 23) | Install Isolation Skillets as needed. |
| 24) | Upon completing the work, a review of the work area by the designated person will remove all barriers or will instruct one of the crewmembers to do so. |
| 25) | Check for leaks if put into service. |
| 26) | The designated person and crewmembers will verify that all equipment and location have been left in a clean, safe condition. All the tools, equipment and barriers have been removed and all persons have been accounted for. |

ENSURE MINIMUM REQUIREMENTS NUMBERS ARE RECORDED ON WP/SEA