

## **--DRAFT--**

### **EXAMPLE SPECIFICATION LANGUAGE FOR BARGE**

*(Use the following subsection .07 to include barge use on project.)*

Add the following subsection:

**00594.07 Barges** - Provide service barges meeting the requirements of this subsection.

Operational Requirements:

- Provide evidence that barges have been inspected and are in acceptable condition for the time period of use on the project.
- Anchor the barges using a minimum of two spuds or a four-point anchorage system. Provide spuds or anchorages with adequate strength to resist expected tidal & weather conditions. Provide anchorages that are able to adjust to the highest and lowest tidal elevations without imparting vertical force (either upward or downward) to the barges.
- Operate the barges in accordance with applicable maritime regulations, including removal of the barges to dock in a safe location when required to avoid extreme weather hazards.
- Have a working bilge pump and backup bilge pump on the barges at all times.
- Anchor all equipment to the barge decks.
- Adjust ballast to maintain proper balance of the loaded barges.
- Do not overload the barges beyond their safe load capacity.
- Secure hatches in the closed position except during inspections or transfer of ballast.
- Within 30 days of the award of the contract, submit 1) plans detailing equipment layout, spuds/anchorages, & equipment anchorages, 2) calculations documenting load capacity, balance & stability, strength of spuds and anchorages, and strength of equipment anchorage, and 3) specifications describing how the barges will be kept within safe load and balance/stability limits, and how the outfitting, operation, and maintenance of the barges will comply with the operational, safety and environmental requirements. Provide plans, specifications, and calculations prepared and stamped by an engineer licensed to practice in the state of Oregon who is qualified in the field of Naval Architecture / Marine Engineering.
- Comply with all applicable U.S. Coast Guard regulations.

Safety Requirements:

- Have a motorized boat available at all times.
- Provide a Personal Flotation Device for each individual on board the barges.
- Provide approved ring life buoys meeting applicable U.S. Coast Guard regulations on each barge.
- Provide "B" type fire extinguishers meeting applicable U.S. Coast Guard regulations on each barge.
- Equip all gasoline engines with an acceptable means of backfire flame control.

- Provide adequate ventilation for fuel tanks and engine compartments for all gasoline, CNG, propane, or butane powered equipment, adequate to remove hazardous gases from the fuel tank compartment & engine compartment.
- Use bonded fuel hoses during refueling to minimize the risk of sparking due to static electricity.
- Comply with all applicable Occupational Safety and Health Administration (OSHA) and U.S. Coast Guard regulations.

**00290.XX Barges** - Provide service barges meeting the requirements of this subsection.

Environmental Requirements:

1. Drive anchor spuds during In-Water Work periods.
2. Provide containment vessels under all diesel and gasoline powered equipment, fuel storage, and refueling areas, having sufficient capacity to contain the entire fuel supply in the event of a spill.
3. Provide containment to ensure that barge surface runoff cannot flush accumulated oil/petroleum products from the deck into the waterway. Clean up drips, leaks, and spills immediately upon detection.
4. Minimize storage of miscellaneous fluids such as motor oil on the barges. Provide containers with fluid-tight lids, with the containers secured to the barge deck within a containment vessel.
5. Clean and inspect all equipment and repair all leaks or drips before placing the equipment on the barges.
6. Inspect all equipment and containment measures on the barges daily and repair all leaks or drips before beginning cleaning & coating operations.
7. Refuel equipment using a portable double-walled fuel tank. When refueling, place an absorbent containment boom around the tank to contain minor spills if the tank is placed on the barge. Refill and store the refueling tank on land, in a specified containment area if within 300 feet of Ordinary High Water line.
8. Provide spill response kits on each barge, including fuel/oil absorbing booms and pads.
9. In the event of a spill, immediately cease operations and contain and clean up the spill. Do not resume cleaning & coating operations until the spill is cleaned up and repairs have been made as needed to prevent further spills.
10. Secure all portable toilets to the barge. If there is any chance of spillage when emptying portable toilets, provide containment and clean up any spills immediately. Do not allow any spillage to enter the waterway.
11. Comply with all applicable U.S. Army Corps of Engineers and Oregon Department of Environmental Quality (DEQ) regulations.

**Comment [TL1]:** Hi Ken can you give me some background on the reasons for these dates? If these are meant to match up with IWW periods it should be fine. Let me know.