



MANAGEMENT SYSTEM MANUAL

OCN 7.5.10 R/V Oceanus Fuel Systems

Originator:

Lawrence T. Bearse

Approved By:

Joe Coburn

1. Purpose

The purpose of this procedure is to set forth the guidelines on board the R/V Oceanus. This procedure discusses the fuel system consisting of diesel oil fill, transfer and service system.

2. Responsibility

It is the responsibility of the Chief Engineer to issue directions and maintain guidelines for the fuel oil system.

3. References

- a. Fuel Oil System: Peterson Builders drawing 9250-545-2.
- b. Tank arrangements: Peterson Builders drawing 9250-845-2, sheet 8 of 9.
- c. Oceanus Shipboard Oil Pollution Emergency Procedures (SOPEP)

4. General

The fuel oil system serves the various storage tanks throughout the ship. Diesel oil is stored in seven (7) storage tanks. There are two main service tanks for the main engines that are 1FO Port and Starboard and one (1) day tank for the generators. The storage tanks are located on the port and starboard side of the shaft alley in the 5's, 6's and 7's. In addition, #10 centerline is used to store diesel fuel.

The tanks have the following capacity:

Tank Name	Capacity 95%	Location
1 FO Port	2,656	17-25
1 FO Stbd	2,656	17-25
5 FO Port	6,498	41-45
5 FO Stbd	6,498	41-45
6 FO Port	6,275	45-49
6 FO Stbd	6,275	45-49
7 FO Port	8,343	49-55
7 FO Stbd	8,343	49-55
10 FO Center	7,080	67-75
Total	54,624	

Common fill and discharge lines run from each storage tank to the fill/suction fuel manifold located in the after portion of the engine room. The fill connection is located on



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the main deck on the starboard side in the Wet Lab on the forward bulkhead. It is a three (3) inch line.

Each fuel tank is fitted with sounding tubes for checking tank levels. The sounding tube terminus for the 5's, 6's and 7's are located on the main deck. The sounding tube terminus for the #10 centerline is located in the winch room. Each storage tank is fitted with vents that are located on the weather deck. Since the vessel was constructed in 1974, it is not required to have fixed containment under the vents. During fueling, 5 gallon buckets are placed under the vents.

See next page for diagram of the Fuel Oil System.



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R/V OCEANUS

Fuel Oil System

