



MANAGEMENT SYSTEM MANUAL

OCN-7.5.6 FUEL OIL TRANSFER AND TREATMENT

Originator:	Approved By:
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1. Purpose

The purpose of this procedure is to set forth the guidelines on board the R/V Oceanus for the fuel oil transfer and treatment as required in the ISM system.

2. Responsibility

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

3. References

The operation and description of the fuel oil transfer and service system along with the treatment of this system is contained in the Shipboard Oil Pollution Emergency Plan (SOPEP). This document is maintained in the Chief Engineer's stateroom.

4. General

Transfer of fuel is accomplished through the 110GPM gear pump or through the fuel oil purifier and is sent to the main engine day tanks on the port and starboard sides of the engine room, the generator day tank or to other storage tanks.

The generator day tank provides ready service for the two generators and the boiler. The two main service tanks provide ready service for the main engine. The vents for the day tanks are on the weather deck. The generator day tank has a one inch (1") overflow that cascades back to the main service tanks.

Fuel Oil Transfer Procedures

The Chief Engineer is in charge of receiving or discharging fuel oil transfers and:

1. Lines up ship's fuel system for fueling operations.
2. Inspects fueling facility for adequate oil containment, proper hoses, connections, discusses transfer operations and signs off on all items in the Declaration of Inspection. (Generic Declaration of Inspection in Appendix I)
3. Controls fuel oil manifold and manipulates valves to direct fuel to proper tanks, monitors fueling rate and pressure.
4. Keeps in communication with Junior Engineers via radio and/or sound powered phones.



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Junior Engineers assist fuel transfer operations and:

1. Assist hook-up of fuel hose and connections.
2. **Ensure** that all the scuppers around the fueling station are plugged and warning signs are posted.
3. **Ensure** that all fuel vents have proper fuel containment containers under the vents.
4. Sound the fuel tanks and keep in communication with the **C**hief Engineer via radio and or/or sound powered phones.

Mate on Watch:

1. Checks that all mooring lines are in good order and that the lines will check the ship's motions during fueling operations.
2. **Raises the fueling flag (and/or red light) and keeps watch on the gangway to prevent visitors from boarding and enforces the no smoking requirement on the vessel during the fueling operations.**