



MANAGEMENT SYSTEM MANUAL

OCN 8.11 R/V Oceanus Vapor/Smoke Release

Originator:

Lawrence Bearse

Approved By:

J.L. Coburn, Jr.

1. Purpose

The purpose of this procedure is to establish the response to Vapor/Smoke Release aboard the R/V Oceanus.

2. Responsibility

The Chief Engineer and/or the Chief Mate shall act as the on-scene leader in the event of an emergency involving vapor and/or smoke release. In some cases, this procedure may be modified to address multiple situation responses. For example, both the Chief Engineer and the Chief Mate may be attending other emergency issues and the second mate or boatswain may be called upon to assist. This, of course, could apply to any emergency situation where the plan has to be modified in order to place personnel where they are most needed.

3. General

Vapor/smoke release occurs during emergencies such as a fire related incident. Smoldering of materials and/or vapors may result from a chemical spill or release involving a wide range of substances capable of releasing vapors into spaces on board the ship. Much of this (but not all) is covered under the HazMat procedures.

- A. When safe to do so, open doors and windows and energize the ships ventilation system and exhaust blowers.
- B. In the case of flammable or explosive vapors, precautions must be taken to;
 1. Avoid accident or injury to all hands by removing them to a safe area.
 2. Minimize the potential for spark or ignition.
 3. Secure the source.
 4. If safe to do so, initiate an urgency call or message via ship's communication system to notify shore side Port Office and Rescue Coordination Center (RCC) that a problem exists.
 5. Determine the safest means to ventilate and disburse the flammable or explosive vapors to the atmosphere.
 - a. This may require the use of the ships portable explosion proof blower and hose. (Coppus Vano 175 Blower)
 6. Upon determination that the space or spaces have been adequately ventilated, readings must be taken with the ship's Gas Tech CT202 Gas Monitor to confirm safe limits before the space can become occupied.
 7. Notify the Port Office and Shore Side RCC that the danger is past and clear and that the problem no longer exists.
 8. Conduct an investigation in order to;
 - a. Determine the cause



MANAGEMENT SYSTEM MANUAL

OCN 8.11 R/V Oceanus Vapor/Smoke Release

Originator:

Lawrence Bearse

Approved By:

J.L. Coburn, Jr.

-
-
- b. Determine what measures are needed to prevent future incidents.

4. **Recording**

Incidents resulting in vapor or smoke release usually are significant enough to warrant recording in SafeNet.