

Guidance to SIRE 2.0 Key Points

Ref: 019

6.5.2 Incinerator operation (NEW) / TMSA 10.1.3

6.5.2. Were the engineer officers familiar with the company procedure for the safe use of the incinerator, and was the incinerator in satisfactory condition and used in accordance with the company procedure and in compliance with MARPOL?

Short Question Text

Incinerator operation.

Vessel Types

Oil, Chemical, LPG, LNG

ROVIQ Sequence

Engine Room, Interview - Engineer Officer

Publications

ICS: Engine Room Procedures Guide. First Edition.

IMO: ISM Code

IMO: MARPOL

IMO: MEPC.244(66) 2014 Standard specification for shipboard incinerators.



Objective

To ensure that the disposal of garbage and sludge using the incinerator is always carried out safely and in accordance with the requirements of MARPOL.



Potential Grounds for a Negative Observation

- There was no company procedure which described the safe use of the incinerator.
- There was no risk assessment available for the safe operation of the incinerator.
- The accompanying officer was unfamiliar with the company procedure or risk assessment for the safe operation of the incinerator.
- An interviewed engineer officer was unfamiliar with:
 - The company procedures or risk assessment for the safe operation of the incinerator.
 - The PPE that must be worn when loading garbage into the incinerator.
 - The process to safely load garbage into the incinerator.
 - The items that were prohibited from being incinerated.
 - The actions to take if the incinerator fails or develops a fault.
- The incinerator was out of service or defective in any respect.
- A list of items prohibited from being incinerated was not posted in the incinerator space.
- Operating instructions were not posted by the incinerator controls.
- There was evidence of localised overheating or exhaust gas leakage from the combustion chamber or exhaust trunk.
- There was evidence that the safety interlocks on the garbage loading chutes were defective or being bypassed.
- There was evidence of oil dripping around the incinerator casing and/or cooling space.
- There was evidence that prohibited items were being incinerated.
- There was evidence that the incinerator had been used to incinerate garbage or sludge at times or places where MARPOL, local regulations or company procedure prohibited the use of the incinerator.
- There was evidence that the main or auxiliary power plant of boilers had been used to incinerate sewage sludge and/or sludge oil at times or places where MARPOL, local regulations or company procedure prohibited this practice.
- Waste had been allowed to accumulate around incinerator spaces other than in the correct storage facilities.

 Process

 Human

 Hardware
 Process

 Hardware