Shipboard Incinerators

Amended Guidance
  Guidance for Marine Pollution Prevention Systems

Reason for Amendment

(1) Regulation 16.6.1 of MARPOL Annex VI specifies that shipboard incinerators are to comply with IMO resolution MEPC.76(40) and need to be approved by the relevant Society, the relevant Administration or some other competent organization.

This resolution applies to incinerators with capacities of up to 1,500 kW per unit. However, the IMO decided to review this capacity limit because the total amount of waste created tends to be large enough where the lack of sufficient incineration capacity could become a problem for large ships.

As a result, at the 64th Session of the IMO Marine Environment Protection Committee (MEPC64) held in October 2012, the scope of MEPC.76(40) was increased so that it applied to incinerators with capacities up to 4,000 kW can be approved. This was circulated as MEPC.1/Circ.793.

Accordingly, requirements stipulating MEPC.1/Circ.793 as the approval standard for shipboard incinerators are incorporated into the NK Rules.

(2) Regulation 16.9 of MARPOL Annex VI specifies that in cases where an incinerator is a continuous-feed type, waste is not to be fed into the unit when the combustion chamber gas outlet temperature is below 850°C in order to avoid air pollution by unburned gas.

However, it is believed that sludge oils which are not solid waste are capable of being completely burned in cases where the combustion chamber temperature chamber is above 500°C; therefore, at MEPC64 held in October 2012, an unified interpretation which allows sludge oil to be fed into such units if the combustion chamber temperature chamber is above 500°C was approved and circulated as MEPC.1/Circ.795.

Accordingly, related requirements are amended based upon MEPC.1/Circ.795.

Outline of Amendment

(1) Amended requirements related to the approval standards for shipboard incinerators.
(2) Amended requirements related to use of continuous-feed type incinerators.