



# Fleet Safety Manual

## 7.E.7 - ENVIRONMENTAL STEWARDSHIP

### 1 PURPOSE

- a) The Canadian Coast Guard (CCG) has established an Environmental Policy which meets or exceeds all applicable environmental legislation and where possible applies best practices to reduce our environmental footprint. The CCG is committed to protecting the environment while remaining operational and to ensure that all operations conducted within the CCG are done so in consideration of the environment.

### 2 RESPONSIBILITIES

#### 2.1 COMMANDING OFFICER

- a) The Commanding Officer shall ensure that, where possible, steps to reduce environmental impacts from the vessel and its equipment are considered and implemented. Equipment shall be used and maintained in a way that the airborne emissions are kept to a minimum.

#### 2.2 ALL EMPLOYEES

- a) All employees shall be aware of the *CCG Environmental Policy* and apply best practices whenever possible to reduce our environmental footprint.

#### 2.3 OPERATORS OF EQUIPMENT

- a) The operators of equipment shall be familiar with this procedure and Site Specific Work Instructions, to ensure that equipment is operated in a safe, economical, efficient and environmentally sound manner.

### 3 INSTRUCTION

#### 3.1 GENERAL

- a) Machinery is to be used in accordance with the manufacturer's specifications. Fuel quality is to be controlled through the application of [Canadian General Standards Board standards](#) in all fuel procurement activity. Unnecessary idling and low loading is to be avoided.

- b) All vessels shall meet or exceed *MARPOL 73/78 Annex VI – Regulations for the Prevention of Air Pollution from Ships* as applicable within the regulations. All vessels 400 GRT and above on International Voyages, are required to have an International Air Pollution Prevention Certificate (IAPP).
- c) Where vessels are fitted with incinerators for the burning of waste, these incinerators are to be maintained and operated in accordance with the manufacturer's instructions.
- d) Every precaution should be taken to reduce the release of volatile organic compounds (VOCs) by avoiding or reducing the use of environmentally unfriendly solvents and coatings onboard the vessel.
- e) Green products: all vessels and stations where appropriate, shall consider and convert to green products to reduce our environmental footprint.

### **3.2 FUEL CONSUMPTION GUIDES**

- a) The overall objective of a fuel consumption guide is the minimization of fuel consumption and as a consequence a reduction in airborne emissions. All CCG vessels capable of producing 1000kW for propulsion are to develop a fuel consumption guide. The optimum condition indicated by the guide should be followed in normal operating circumstances insofar as the conditions and the activity in which the vessel is engaged permit.
- b) Vessels under 125 GRT shall have tables indicating the speed and fuel consumption at various RPM. This table shall be referenced when planning taskings near the capable range for the vessel.

## **4 DOCUMENTATION**

- Site Specific Work Instructions
- Engine log book entries
- Maintenance Records
- Fuel Consumption Guide