

Regulations on Waste Reception Facilities and Offshore Platforms

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Regulation

Each Party undertakes to ensure the provision of facilities adequate to meet the:

(a) needs of ships using its repair ports for the reception of ozone depleting substances and equipment containing such substances when removed from ships;

(b) needs of ships using its ports, terminals or repair ports for the reception of exhaust gas cleaning residues from an approved exhaust gas cleaning system when discharge is not permitted

.....without causing undue delay to ships, and,

(c) needs in ship breaking facilities for the reception of ozone depleting substances and equipment containing such substances when removed from ships.

Type of wastes

SO_x – Sludge/water from Open/Closed Exhaust Gas Cleaning Systems.

NO_x - Sludge/water from Exhaust Gas Cleaning Systems

VOC – Compounds in atmosphere left in Tankers

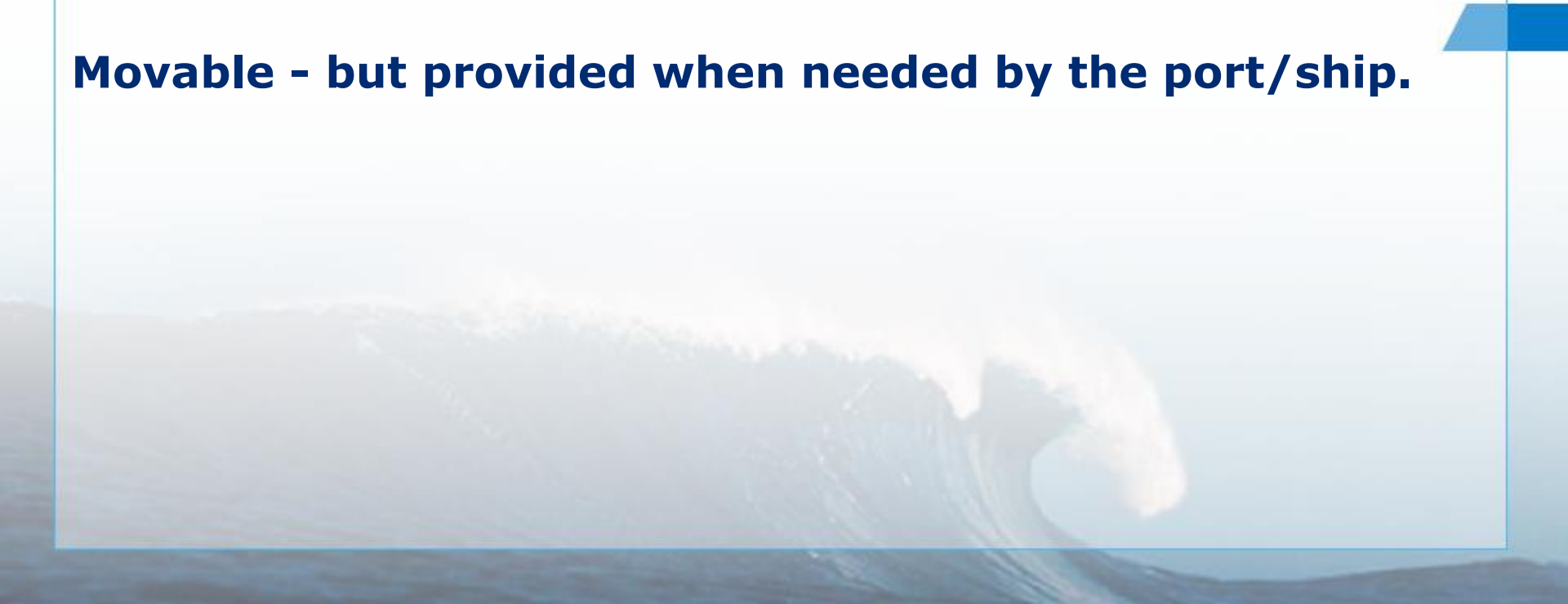
ODS – ODS in broken equipment, both Mobile and Static (Annex does not include closed systems – many small mobile apparatus)

Types of Port Reception Facilities

Static – facilitated by registered waste contractor.

Movable - but always in the Port facilitated by registered waste contractor.

Movable - but provided when needed by the port/ship.



Type of wastes

SOx – Sludge/water from Exhaust Gas Cleaning Systems

- **Amount: Low but significant**
- **Status: Hazardous if concentrated, if water may be discharged legally overboard. Some Ports may not allow this.**
- **Best Practice: Port contacts a hazardous waste contractor to come and take the waste away, or ship arranges a contract with a hazardous waste contractor to come to ship when it is in a particular port. IN the meantime the sludge is saved in a tank on board**

Type of wastes

NO_x - Sludge/water from Exhaust Gas Cleaning Systems

- **Amount: Very Low**
- **Status: Hazardous if concentrated.**
- **Best Practice: as SO_x**



Type of wastes

VOC – Compounds in atmosphere left in Tanks

- **Amount: Very Low**
- **Status: Hazardous/Flammable**
- **Best Practice: Recycled/reduced through Vapour Emission Control Systems.**

Type of wastes

ODS – Compounds in obsolete/broken equipment.

- **Amount: Very Low**
- **Status: Hazardous/Flammable**
- **Best Practice: Recycled by specialists contractors.**

Offshore Platforms/Drilling Rigs

- Fixed and floating platforms and drilling rigs shall comply with the requirements of this Annex- but:
- Emissions directly arising from the exploration, exploitation and associated offshore processing of sea-bed mineral resources are, exempt, including
 - flaring of hydrocarbons;
 - the burning of cuttings, muds, and/or stimulation fluids during well completion and testing operations.
 - flaring arising from upset conditions;
 - the release of gases and volatile compounds entrained in drilling fluids and cuttings;
 - emissions from the treatment, handling, or storage of sea-bed minerals;
 - dedicated diesel engines: and
 - hydrocarbons which are produced and subsequently used on board.



Any questions?

Thank you!

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