



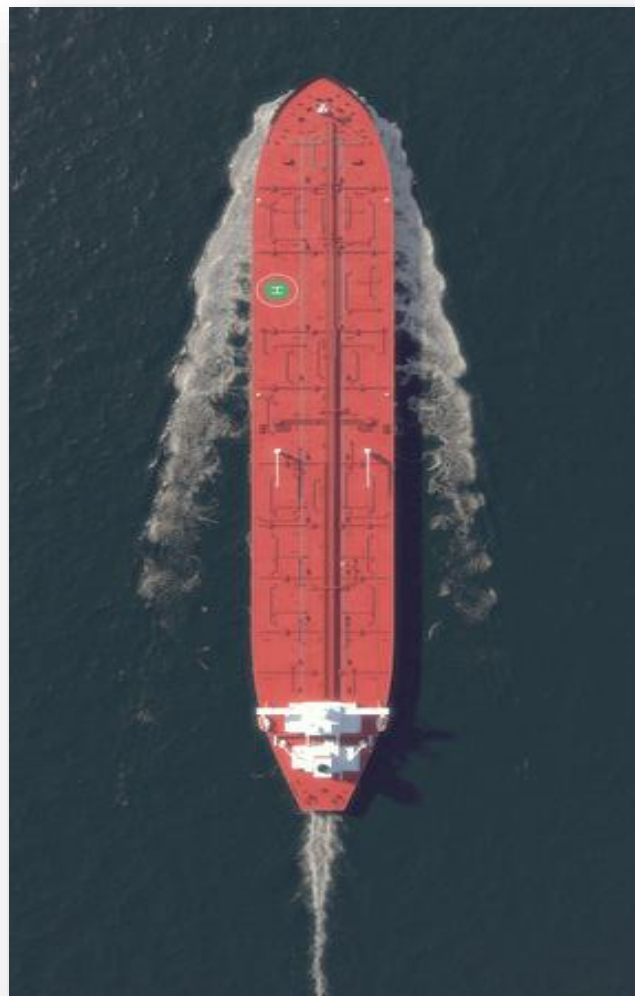
INTERTANKO

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Environmental Update

European Panel Meeting

Rome, 17 September 2019





INTERTANKO Strategic Work Plan: 3. Environment

3.1 Emissions to water

- 3.1.1 Ballast water
- 3.1.2 Hull fouling management

3.2 Emissions to air

- 3.2.1 SOX, NOX, VOC (Annex VI of MARPOL)
- 3.2.2 Greenhouse gas emissions
- 3.2.3 Energy efficiency
- 3.2.4 Monitoring, Reporting & Verification (MRV)

3.3 Ship Recycling

3.4 US VIDA

3.5 Waste Management

- 3.5.1 On board ship
- 3.5.2 Port reception facilities



Strategic Work Plan: 3. Environment

3.1 Emissions to water

3.1.1 Ballast water

1. IMO & USCG BWMS Technology

- 21 USCG Type Approved BWMS
- 76 IMO Type Approved BWMS
 - 13 October 2019 **BWMS Code**
 - 28 October 2020 – All BWMS installed to be approved against the BWM Code.
- 9 Sept. 2019 – all vessels to install BWMS

2. Failures of BWMS

- Contingency measures
- Mitigation and management

3. Guide to the Correct Entries in the Ballast Water Record Book.



Strategic Work Plan: 3. Environment

3.1 Emissions to water

3.1.2 Hull fouling management (Biofouling)

1. Unilateral legislation

- a. New Zealand - now
- b. Australia - next

2. IMO (MEPC and PPR)

- Informal CG work on the 2011 Voluntary Guidelines

3. Tripartite work

- 'Review options for reducing niche areas on new building designs'.
- Combined submission (owners, yards and class) to IMO MEPC

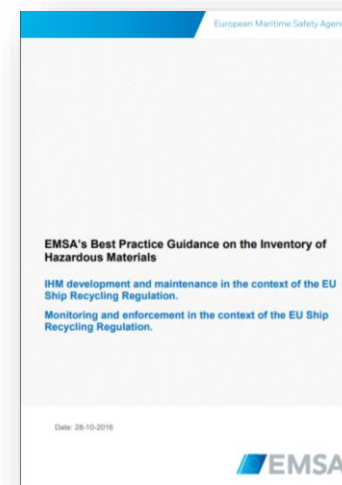




Strategic Work Plan: 3. Environment

3.3 Ship Recycling

- Hong Kong Convention (HKC)
 - Entry into force?
 - India, China and Bangladesh
- EU Ship Recycling Regulation (EUSRR)
 - Identification of potentially hazardous materials and maintaining IHMs
 - Asbestos management
 - PSC Guidance (EMSA, European Commission and Member States)
 - Confusion on application – mandatory or guidance
 - No Recognised Organisations to certify IHMs / issue SoC's
 - EMSA guidance non-binding so no basis for Class certification





Strategic Work Plan: 3. Environment

3.4 Vessel Incidental Discharge Act (VIDA)

- Establish uniform standards and requirements to manage discharges incidental to the normal operation of a vessel.
 1. EPA: establish standards
 2. USCG: prescribing, administering and enforcing the regulations
 3. States: Administer and enforce the standards
- VGP 2013 will be replaced but remains in effect until new regulations finalised and implemented.
- VIDA must not be less stringent than the VGP provisions and contain all 27 discharge categories already included in the VGP.
- EPA in consultation with the USCG must review the standards at least every 5 years.



Strategic Work Plan: 3. Environment

3.4 Vessel Incidental Discharge Act (VIDA)

- USCG will:
 - **Promulgate the regulations** required to implement any new or revised standard of performance with respect to a discharge issued by the EPA
 - Promulgate regulations governing the **design, construction, testing, approval, installation, and use of marine pollution control devices** as are necessary to ensure compliance with the standards of performance
 - Promulgate requirements, including those for vessel owners and operators regarding **inspections, monitoring, reporting, sampling, and recordkeeping**, to ensure, **monitor, and enforce compliance** with the standards of performance



Strategic Work Plan: 3. Environment

3.4 Vessel Incidental Discharge Act (VIDA)

Other key points:

- **State inspections.** A State may conduct their own inspection of covered vessels to ensure compliance with any standard of performance
- **Fee for inspections.** A State may assess the owner or operator of a vessel a fee of not more than \$1,000 to cover the costs of administration, inspection, monitoring, and enforcement activities by the State
- **Sewage.** States may regulate sewage discharges (Sewage is not covered under the VGP)

Latest:

- The EPA held public scoping Meetings in May (INTERTANKO attended) and have a target date for publication of a Proposed Rule in January 2020 with a 60-day comment period.
- US Coast Guard published a Draft Policy Letter on Type Approval Protocols for BWMS that render organisms non-viable.



Strategic Work Plan: 3. Environment

3.5 Waste Management

3.5.1 On board ship

- IBTS work continues
- Marine plastic litter

3.5.2 Port reception facilities

- European Commission revision of the EU Directive
 - Estimates of waste generated & incentive schemes
- IMO
 - 13 Reports copied to INTERTANKO
 - 4 Member Companies reporting
 - IMO GISIS: latest updated report was on 10/6/2019.
 - 9 member cases reported to IMO via GISIS
 - Total 2019 cases reported to IMO via GISIS: 51
 - Marshall Islands, Liberia, Bahamas, Netherlands



Strategic Work Plan: 3. Environment

- Sustainability
- Noise pollution
- Electronic Record Books
- Environmental Performance Monitoring



Strategic Work Plan: 3. Environment

- Environmental Performance Monitoring



Vessels Reports Benchmarking

Roger Sterling ▾

Reports

Edit Environmental Report: Elements

A. Air Emissions

Emitted mass of CO₂

 t

Insert the total amount of CO₂ emitted in tons by the tankers in the survey.
[View conversion factors.](#)

Emitted mass of NO_x

 kg

Insert the total amount of NO_x emitted in Kgs by the tankers in the survey.
[View Survey](#)

Emitted mass of SO_x

 kg

Insert the total amount of SO_x emitted in Kgs by the tankers in the survey.

Total transport work

Cargo (mcargo) (Tonnes) X Distance (D) (Nautical Miles)

B. Pollution Prevention

Contained spills

Number of contained spills of bulk liquid (per reporting period).
Minimum threshold for recording a spill = 1 barrel

Pollution at sea

Number of incidents (per reporting period). No minimum threshold.

Estimated Volume spilled (barrels)



Strategic Work Plan: 3. Environment

- Environmental Performance Monitoring



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Contained spills

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Pollution at sea

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Estimated Volume spilled (barrels)

C. Waste Management

Waste categories are as per the Revised MARPOL Annex V. Please refer to INTERTANKO Guidance on Waste Management for Tankers 2017.

Number of vessels with compactors installed

Insert the total number of vessels with compactors installed.

Category A - Plastics

Total landed ashore

 m³

Total incinerated

 m³



Strategic Work Plan: 3. Environment

- Environmental Performance Monitoring



D. Other Environmental Items

Ship Recycling

Number of vessels with an Inventory of Hazardous Materials (IHM)

Ballast Water Management

Type	Number
Please Select... ▾	<div><div>+</div><div></div><div>-</div></div>

Hull Management

Please refer to INTERTANKO's Guide to Modern Anti-fouling Systems and Biofouling Management 2016

Total number of propeller cleanings

Provide the total number of propeller cleanings for the fleet entered. An average will be generated for the entire INTERTANKO fleet.

Total number of hull cleans

Provide the total number of hull cleanings for the fleet entered. An average will be generated for the entire INTERTANKO fleet.

Antifouling Systems

Type	Number
	<div><div>+</div></div>



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