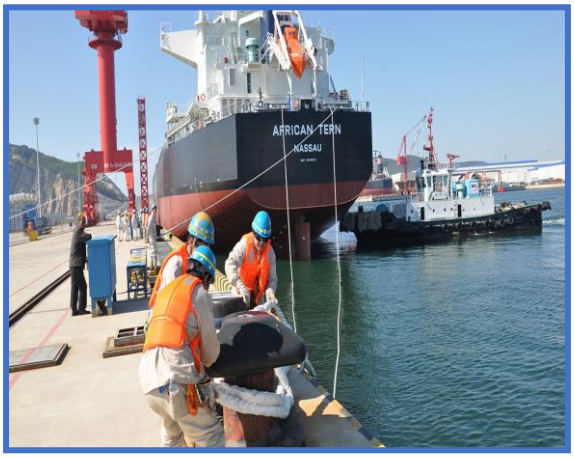
COURSE OVERVIEW OE0858-4D
Environmental Consideration in Management of Ballast Water for Ships & Marine Ports

Course Title
Environmental Consideration in Management of Ballast Water for Ships & Marine Ports



Course Description
October 14-17, 2024/Club B Meeting Room, Ramada Plaza by Wyndham Istanbul City Center, Istanbul, Turkey

Course Reference
OE0858-4D

2.4 CEUs (24 PDHs) AWARD

Course Duration/Credits
Four days/2.4 CEUs/24 PDHs

Course Date/Venue

This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview of ballast water management convention. It covers the invasive species problem, harmful aquatic organism pathogens and the impacts of this invasive; the goals and principles of invasive management; the use of ballast water management and the global response to ballast water problem; and the ballast water management convention and guidelines.

Further, the course will also discuss the globallast partnerships program; the ballast water management on ships; the international requirement for BW on ships and the application of the precautionary approach to BWM; the ballast water management standards and the new schedule for implementation; and the ships ballast water management plan and voyage planning.

During this interactive course, participants will learn the facilitation of BW and sediment sampling; the duties and tanning and surveys required for ballast water management; the IOPPC renewal survey and the real difference between the D-1 and D-2 standards; the ships compliance, ballast water management systems approval and the international (BWM) certificate; the operational aspects of ballast water management; the ballast water reporting form and the national legislation and enforcement provisions; the compliance monitoring and enforcement (CME); the inspection and ballast water sampling; the ballast water management in port analysis and considerations model framework; the role of the port authorities and developing a plan for ballast water management consistent with IMO guidelines; the reception facilities and characterization and analysis of the current situation in ports; and proposing a clear and precise framework for implementing ballast water management measures in ports.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on ballast water management convention
- Discuss ballast water management convention and when did the BWM convention enter into force
- Identify which ships does the convention apply to including the ships registered under a flag which hasn't ratified the BWM convention
- Explain the ballast water management standards including the new schedule for implementation and the ship that doesn't have an IOPCC renewal survey
- Differentiate D-1 and D-2 standards and recognize how will ships' compliance be checked, how ballast water management system approved, and how many countries have signed up to the BWM treaty
- Define ballast water and identify invasive species problem, harmful aquatic organism pathogens and the impacts of this invasive
- Discuss the goals and principles of invasive management and the use of ballast water management
- Review the global response to ballast water problem including ballast water management convention and guidelines, globallast partnerships program and ballast water management on ships
- Identify international requirement for BW on ships and the application of the precautionary approach to BWM
- Apply ships ballast water management plan, voyage planning, facilitation of BW, sediment sampling, duties and tanning
- Carryout surveys required for ballast water management and review the international (BWM) certificate, operational aspects of ballast water management and ballast water reporting form
- Implement national legislation and enforcement provisions, compliance monitoring and enforcement (CME) and inspection and ballast water sampling

- Apply ballast water management in port analysis and considerations model framework
- Explain the role of the port authorities as well as develop a plan for ballast water management consistent with IMO guidelines
- Identify reception facilities and the characterization and analysis the current situation in ports
- Propose a clear and precise framework for implementing ballast water management measures in ports

Who Should Attend

This course provides an up-to-date knowledge and skills on ballast water management convention for marine engineers and other technical staff.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Fee

US$ 7,250 per Delegate + **VAT**. This rate includes Participants Pack (Folder, Manual, Hand-outs, etc.), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Certificates are accredited by the following international accreditation organizations: -

- The International Accreditors for Continuing Education and Training (IACET - USA)

  Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

  Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

  Haward Technology Middle East will award **2.4 CEUs** (Continuing Education Units) or **24 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Captain Sergey Kole, is an **International Expert** in **Port Operations & Management** with over **20 years** of **onshore** and **offshore** experience within the **Oil & Gas** industry. His expertise evolves in **Marine Terminal Operations** & **Management**, **Marine Hazards Prevention & Control**, **Marine Communication Systems**, **Marine Safety**, **Ship Management**, **Oil Terminal Planning**, **Vessels Operations**, **Terminal Management & Support Operations**, **Oil Spill Contingency & Emergency Response Plan**, **Qualitative & Quantitative Risk Assessments**, **Terminal Planning**, **Oil Tanker Storage Planning**, **Cargo Transfer Handling**, **Loading & Discharging**, **Ballasting**, **Tank Cleaning**, **Crude Oil Washing**, **Ship Handling** and **Radar Navigation**. Further, he is well-versed in **Survival Craft & Rescue Boats**, **Dynamic Positioning**, **Anti-Piracy Preparedness & Response**, **Shipping Maintenance System**, **Oil & Chemical Tanker**, **Liquefied Gas Tanker**, **Inert Gas System**, **Crude Oil Tanker** & **Gas Carrier**, **Offshore Logistics & Supply Management**, **Marine Fleet Management & Operations**, **International Maritime Conventions & Codes**, **Marine Radar**, **Port Traffic Control Systems & Instrumentation**, **H^2S Hazard Awareness**, **Firefighting**, **Medical Care Onboard**, **Carriage of Dangerous & Hazardous Substances**, **Ballast Water & Sediment Management**.

During his career life, Captain Sergey has gained his technical and marine expertise through various challenging and key positions such as the **Captain**, **Port Master**, **Marine/Port Manager**, **Project Manager**, **Port Supervisor**, **Marine Coordinator**, **Operations Director**, **Chief Officer**, **2nd Officer**, **Crewing Consultant** and **Ship Chandler** for several international companies such as **ZADCO**, **Rusalina Yacht Company**, **Jr Shipping**, **Carisbrooke Shipping**, **Unicorn Petrol ve Kimya**, **Q Shipping BV**, **Miedema Shipping CV**, **Rah Management BV**, **Petrobulk Maritime Inc.**, **Empross Lines Ship Management**, **Melcard Ltd.**, **Aquarian Shell Marine Inc.** and **Square Ltd**.

Captain Sergey has a **Bachelor** degree in **Navigation** from the **Kiev State Academy of Water Transport** and **Petrozavodsk River School**, **Ukraine** respectively. He is a **Certified Instructor/Trainer** and has delivered various trainings, courses, seminars, workshops and conferences internationally.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1: ***Monday, 14th of October 2024***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 - 0900	***What's Ballast Water?***
0900 – 0930	***What is the Ballast Water Management Convention?***
0930 – 0945	*Break*
0945 – 1015	***When Did the BWM Convention Enter into Force?***
1015 – 1045	***Which Ships Does the Convention Apply to?***
1045 – 1115	***What About Ships Registered Under a Flag which Hasn't Ratified the BWM Convention?***
1115 – 1145	***Invasive Species Problem, Harmful Aquatic Organism & Pathogens***
1145 – 1215	***What are the Impacts of this Invasive?***
1215 – 1230	*Break*
1230 – 1245	***Goals & Principles of Invasive Management***
1245 – 1350	***The Use of Ballast Water Management***
1350 – 1420	***The Global Response to Ballast Water Problem***
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2: ***Tuesday, 15th of October 2024***

0730 – 0815	***Ballast Water Management Convention & Guidelines***
0815 - 0900	***Globallast Partnerships Program***
0900 – 0930	***Ballast Water Management on Ships***
0930 – 0945	*Break*
0945 – 1030	***International Requirement for BW on Ships***
1030 – 1115	***Application of the Precautionary Approach to BWM***
1115 – 1200	***What do Ships Need to do, Now the Treaty is in Force?***
1200 – 1230	***What are the Ballast Water Management Standards?***
1230 – 1245	*Break*
1245 – 1315	***What does the New Schedule for Implementation say?***
1315 – 1345	***Ships Ballast Water Management Plan***
1345 – 1420	***Voyage Planning***
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3: ***Wednesday, 16th of October 2024***

0730 – 0815	***Facilitation of BW & Sediment Sampling***
0815 – 0845	***Duties & Tanning***
0845 – 0930	***The Surveys Required for Ballast Water Management***
0930 – 0945	*Break*
0945 – 1030	***What if the Ship doesn't have an IOPPC Renewal Survey?***

1030 – 1115	***What is the Real Difference Between the D-1 & D-2 Standards?***
1115 – 1145	***How will Ships' Compliance be Checked***
1145 – 1230	***How are Ballast Water Management Systems Approved?***
1230 – 1245	*Break*
1245 – 1315	***The International (BWM) Certificate***
1315 – 1345	***Operational Aspects of Ballast Water Management***
1345 – 1420	***Ballast Water Reporting Form***
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4: ***Thursday, 17th of October 2024***

0730 – 0815	***National Legislation & Enforcement Provisions***
0815 – 0845	***Compliance Monitoring & Enforcement (CME)***
0845 – 0930	***Inspection & Ballast Water Sampling***
0930 – 0945	*Break*
0945 – 1015	***Ballast Water Management in Port Analysis & Considerations Model Framework***
1015 – 1045	***The Role of the Port Authorities***
1045 – 1115	***Develop a Plan for Ballast Water Management Consistent with IMO Guidelines***
1115 – 1145	***Reception Facilities***
1145 – 1230	***Characterization & Analysis the Current Situation in Ports***
1230 – 1245	*Break*
1245 – 1315	***How Many Countries Have Signed up to the BWM Treaty?***
1315 - 1345	***Proposing a Clear & Precise Framework for Implementing Ballast Water Management Measures in Ports***
1345 – 1400	***Course Conclusion***
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes the following real-life case studies and exercises:-

Course Coordinator

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