The 10th Annual

Ballast Water Management Technology Conference
Monday 8th December to Tuesday 9th December 2014
Technical Workshop: A Practical Guide to Retrofitting Ballast Water Treatment Systems
Wednesday 10th December 2014
The Congress Centre, London

Essential ballast water management guidance to prepare shipowners for Convention enforcement

- Feedback from MEPC 67 and IMO General Council meeting on proposals, modifications and resolutions
- ICS, BIMCO and German Shipowners’ Association discuss the robustness of the IMO/US Coast Guard and class type approval process
- Direct operator feedback from CSL Ships, Saga Shipholding and Van Oord on the installation, retrofit and operation of a BWMS
- Review 10 years of testing BWMS and the effectiveness of compliance testing toolkits

Regulatory insight:

Peter Hinchcliffe
Secretary General
International Chamber of Shipping

Peter Lundahl Rasmussen
Senior Marine Technical Officer
BIMCO

CDR Ryan Allain
Environmental Standards Officer
US Coast Guard

Praveen Kumar Mishra
Vice President
Indian Register of Shipping

Shipowner perspectives:

Eivind Holte
Senior Technical Manager
Saga Shipholding

Jamie Coates
Project Manager
Canada Steamship Lines

Frank de Waard
Project Manager
Van Oord

Wolfgang Hintzsche
Marine Director
German Shipowners’ Association

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Day One: Monday 8th December 2014

08.10 Coffee and registration

08.40 Chairman’s welcome and introduction
  Craig Eason, Deputy Editor, LLOYD’S LIST

08.45 Town hall style open forum
  Shape the agenda. Have your say and flag issues to be discussed throughout the conference. This will ensure that our experts tackle the topics that matter to you.

Successfully implementing the Convention

09.10 Live update from the IMO council meeting and MEPC 67
  • Clarification on the interpretation of the G8
  • Update on the IMO type approval process
  • Findings from the Norwegian study
  • How close are we to ratification?
  • What will be the timelines from ratification?
  Praveen Kumar Mishra, Vice President, INDIAN REGISTER OF SHIPPING

09.50 PANEL DEBATE
  Is the IMO type approval process robust enough?
  • IMO vs. the US Coast Guard (USCG): What are the technical differences?
  • Will an IMO type approved system be compliant upon enforcement?
  • Inconsistencies in the interpretation of G8
  • Transparency in BWMS type approval
  Panellists include:
  Peter Hinchliffe, Secretary-General, ICS
  Peter Lundahl Rasmussen, Senior Marine Technical Officer, BIMCO
  Gitte Ingelise Petersen, Project and Business Area Manager, DHI BALLAST WATER CENTRE
  Rasmus Folsø, CEO, DESMI OCEAN GUARD A/S
  Jim Cosman, Market Manager, TROJAN MARINEX

10.30 Coffee and networking

Critical updates on US regulations

11.00 PANEL DISCUSSION
  Clarifying the USCG type approval process
  • Updates and outlook
  • UV filtration systems: Will they ever meet type approval standard?
  • How can ship operators ensure compliance?
  • Impact of temporary extensions on AMS approved system market
  • The acceptance of alternative components in an approved system
  • What is the benefit of taking a USCG extension?
  Panellists include:
  Ryan Allain, Environmental Standards Officer, US COAST GUARD
  Gitte Ingelise Petersen, Project and Business Area Manager, DHI BALLAST WATER CENTRE
  Martin Olofsson, Principal Engineer, Environmental Protection, DNV GL

Live audience participation poll:
  Take this opportunity to vote live at the conference through our audience polling system.
  What do you think? Will the USCG type approval become the defacto reopened G8 standard?

Port state control: Preparing for enforcement

12.00 Testing requirements for the EPA Vessels General Permit
  • EPAs role in granting permission to use chemicals
  • Enforcement response policy
  • Advice to shipowners
  Representative, US ENVIRONMENTAL PROTECTION AGENCY

12.30 PANEL DISCUSSION
  What is the classification approval process for BWMS?
  • How does the class approval process differ from the statutory process?
  • What is the approval time?
  • How are the tests conducted?
  • Which standards are you using?
  Debra Dicianna, Senior Environmental Solutions Consultant, ABS
  Sahan Abeysekara, Senior Specialist, Engineering Systems, LLOYD’S REGISTER

13.00 Lunch and networking

Developments in testing and sampling

14.00 CHAIRMAN’S CHOICE
  Ensuring you’re ready for port state inspections
  • What kind of inspections can operators expect?
  • Will there be consistency across the different port states?
  • Will US port inspections be more stringent?
  • Will there be a common approach to surveys?
  • What will be required upon inspections?
  • Are they going to take sample quantities for inspections?

IN THE BALLAST TANK WITH……..

Overview of 10 years testing BWMS: What have we learnt so far?
During this session put your questions to our scientific expert. Questions can be submitted anonymously prior to the conference or live during the session. Subjects to be discussed include:
• What is the impact of different water conditions on BWMS?
• Are past assumptions on how to treat micro-organisms correct?
• What are some of the new ideas in regards to testing?
  Marcel Veldhuis, Marine Scientist, MARINE ECO ANALYTICS

15.00 Coffee featuring speedy networking

15.30 PANEL DEBATE
  Compliance testing toolkits: How effective are they?
  • What is the general quality of these testing tools?
  • What does this mean for compliance?
  • What does it mean if it shows non-compliance?
  • What is the general quality of the USCG testing?
  • What does it mean if it shows non-compliance?
  Panellists include:
  Wolfgang Hintzsche, Marine Director, GERMAN SHIPOWNERS’ ASSOCIATION
  Marcel Veldhuis, Marine Scientist, MARINE ECO ANALYTICS

Live audience participation poll:
  Take this opportunity to vote live at the conference through our audience polling system.
  What do you think? Are the testing kits a necessary assurance for quality or are they creating more distrust within the market?
Operational solution banks

16.30 Wind down with a glass of champagne. Share and explore key topics with fellow delegates and speakers in an informal and interactive environment.
1. The impact of water conditions on marine growth and filtration performance
2. What is the key to a successful retrofit installation?
3. Examining the maintenance standards and operational requirements of a BWMS
4. Compliance monitoring testing kit

17.10 Feedback from operational solution banks
17.30 Chairman’s summary and close of day one
17.45 Networking drinks reception
Mingle with fellow attendees, speakers and exhibitors. Join us for our special 10th anniversary celebration.

Day Two: Tuesday 9th December 2014

09.00 Chairman’s welcome and recap of day one
Craig Eason, Deputy Editor, LLOYD’S LIST

09.10 Developing a harmonised procedure on granting exemptions
- North East Atlantic and Baltic seas
- Port and environmental sampling
- Online decision support tool
- Administrative procedure
John Mouat, Deputy Secretary, OSPAR COMMISSION

09.40 Cost benefit comparison of alternative methods of compliance with the BWMS Convention
- What does the Convention says about the alternatives?
- What are the alternatives?
- How do they compare with fitting a management system?
- What are the challenges?
Yildiz Williams, Senior Environmental Consultant, LLOYD’S REGISTER

Operators’ feedback on BWMS installation and performance

10.00 Overcoming the challenging new build and retrofit installation on open hatch general cargo carriers
- Ballast demands in comparison to other vessels
- New build ship type and operating criteria
- Installation process
- Overcoming the technical challenges
Eivind Holte, Senior Technical Manager, SAGA SHIPHOLDING

10.30 Coffee and networking

11.00 SPOTLIGHT SESSION
- Developing a unique low-cost ballast solution
  - Difference between a dredging vessel and other vessel types
  - Working on the ballast project
  - How we overcame the challenges
Frank de Waard, Project Manager, VAN OORD
Marcel Veldhuis, Marine Scientist, MARINE ECO ANALYTICS

11.30 LIVE INTERVIEW
Canada Steamship Lines experience with BWMS
Hear from CSL Ships on their experience sourcing and installing a BWMS. Understand how they chose their system, negotiated the deal for installation.
Jamie Coates, Project Manager, CANADA STEAMSHIP LINES

Assessing BWMS performance and installation options

12.00 HEAD-TO-HEAD TECHNOLOGY PANEL
Which BWMS is best for my vessel?
During this session questions will be put to the manufacturers on their BWMS. Questions can be submitted from the audience and our panel of shipowners.

Questions will include:
- What is the estimated lifespan of your system?
- What kind of after-care can I expect from your system?
- What would be the initial cost and time required for installation?
- Will there be any impact on costs of systems after ratification?

Moderator: Craig Eason, Deputy Editor, LLOYD’S LIST
Manufacturers Include:
- TECHCROSS
- DESMI OCEAN GUARD
- HYDE MARINE
- SEVERN TRENT DE NORA

Shipowners include:
- LAURITZEN KOSAN A/S
- VAN OORD

13.00 Lunch and networking

14.00 Participants will be able to view and discuss in smaller informal groups new innovative and alternative technologies in the market with live demonstrations of:
- Compliance monitoring testing kits
- Alternative ballast water treatment systems
- Piping solutions for retrofits
- 3D laser scanning systems for retrofits

System operation, maintenance and crew training requirements

15.00 PANEL DISCUSSION
How will operating the BWMS really impact the operation of a ship?
- What tools do shipowners need to set up their ballast water management programme?
- Stripping and cleaning of ballast tank requirements
- When should your system be turned on or off?
- Will there be any sanctions?
- How will the treatment system impact your vessel in transit?
- How to minimise operational expenses

Panelists Include:
- Debra Dicianna, Senior Environmental Solutions Consultant, ABS
- Jad Mouawad, Owner, MOUAWAD CONSULTING
- Peter Lundahl Rasmussen, Senior Marine Technical Officer, BIMCO

15.30 Coffee and networking

16.00 P&I perspective: How will the Convention impact members’ business and their operational and insurance costs
- Equipment inability to comply with the Convention requirements
- Anticipated delays
- Sanctions to be imposed
- How much compliance will add to operational costs and non-compliance to insurance costs

Jeff Lock, Senior Claims Director, THOMAS MILLER P&I (EUROPE) LTD

16.30 Assessing crew training requirements for a BWMS
- What are the manufacturers and class societies’ guidance for crew training?
- How can crew negligence be avoided?
- How can systems be safely operated according to compliance?

Conference takeaways and action points with your BWMS questions answered
Review the conclusions of the past two days and receive your takeaway notes on all our polls and interactive debates to ensure your BWMS questions are answered.

17.00 Chairman’s closing remarks

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For latest programme or to register please visit: www.informamaritime.com/bwmtech
A Practical Guide to Retrofitting Ballast Water Treatment Systems

Expert guidance on treatment system selection and retrofit planning and execution

Wednesday 10th December 2014 • Congress Centre, London

08.30 Coffee and registration

09.00 Chairman’s welcome

09.10 Objective generation
Introduce yourself and share your objectives to ensure specifically tailored guidance

09.30 How to select the right treatment system for your vessel
• Examining different operating profiles and vessel types
• An overview of the technologies on offer
• Treatment system performance and reliability

10.30 How to prepare the vessel for BWMS retrofitting
• Ballast water tank condition and preparation
• Piping preparation
• Sediments handling before and after
• Crew involvement

11.00 Coffee and networking

11.30 GROUP DISCUSSION
How can the industry ensure a successful retrofit process for vessels?
• What is the industry’s current retrofit capacity?
• Are the ship yards ready?
• How can shipowners avoid the retrofit rush?

12.00 Overcoming space and layout challenges during a retrofit
• What are your layout options?
• Importance of retrofit planning and design
• Case study examples

13.00 Lunch

14.00 Feedback on the approval process for BWMS retrofit
• Retrofit approval scope
• Overview of documentation requirements
• The approval process

15.00 Addressing the maintenance and training requirements
• What can be learnt from the experience so far?
• How do the maintenance demands differ across system types?
• What sort of crew training is required for maintenance?

15.45 Coffee and networking

16.15 GROUP DISCUSSION
What can be learnt from the challenges so far in order to mitigate future risk?
• How can suppliers support the installation process?
• How to configure vessels for faster installation
• Dry docking schedule importance
• Advice to shipowners based on challenges and success stories

16.45 Key takeaway roundup
Review topics covered and address any outstanding issues or concerns

17.00 Chairman’s summary and close of workshop

“Great to tackle difficult issues within a diverse group” (R Jones, MOD)

A Practical Guide to Retrofitting Ballast Water Treatment Systems

Expert Speakers include:

Debra Dicianna
Senior Environmental Solutions Consultant
ABS

Jad Mouwad
Owner
MOUAWAD CONSULTING

Peter Lundahl Rasmussen
Senior Marine Technical Officer
BIMCO

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Who attends BWMTech?

- Shipowners and Operators
- Ship Managers
- Maritime Administrations
- Ballast System Manufacturers
- Consultants
- Filtration Manufacturers
- Ship yards / Ship repair yards
- Water Testing Facilities
- Class

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DESMI Ocean Guard - ballast water treatment systems
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HYDAC
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Shipowners and operators are invited to attend for free*

To apply for your free place contact rosanna.boyle@informa.com

*Terms and conditions apply subject to final approval
**Event Code: FKT2752**

**Van Oord and Marine Eco Analytics reveal their low-cost ballast solution**

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**Electronic Documentation Available**

You can purchase BWMTech electronic documentation at just £399 per set. For more information please contact us, Tel: +44 (0)20 7017 5502, Email: papers.info@informa.com

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<th>REGISTER BY 19th September 2014</th>
<th>REGISTER BY 7th November 2014</th>
<th>REGISTER AFTER 7th November 2014</th>
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<tr>
<td>2 Day Conference &amp; 1 Day Workshop</td>
<td>8th - 10th December 2014</td>
<td>£1798 <strong>SAV£ 300</strong> + 20% VAT = £2157.60</td>
<td>£1898 <strong>SAV£ 200</strong> + 20% VAT = £2277.60</td>
<td>£1998 <strong>SAV£ 100</strong> + 20% VAT = £2397.60</td>
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<td>2 Day Conference</td>
<td>9th - 10th December 2014</td>
<td>£1199 <strong>SAV£ 200</strong> + 20% VAT = £1438.80</td>
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<td>1 Day Workshop</td>
<td>10th December 2014</td>
<td>£699 + 20% VAT = £838.80</td>
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