

ISCO & THE ISCO NEWSLETTER

The ISCO Newsletter is published weekly by the International Spill Control Organisation, a not-for-profit organisation supported by members in 45 countries. ISCO has Consultative Status at IMO, Observer Status at IOPC Funds and is dedicated to raising worldwide preparedness and co-operation in response to oil and chemical spills, promoting technical development and professional competency, and to providing a focus for making the knowledge and experience of spill control professionals available to IMO, UNEP, EC and other organisation.

ISCO COMMITTEE & COUNCIL

ISCO is managed by an elected executive committee members of which are **Mr David Usher** (President, USA), **Mr John McMurtrie** (Secretary, UK), **Mr Marc Shaye** (USA), **Mr Dan Sheehan** (USA), **M. Jean Claude Sainlos** (France), **Mr Kerem Kemerli** (Turkey), **Lord Peter Simon Rickaby** (UK), **Mr Li Guobin** (China), **Captain Bill Boyle** (UK) and **Mr Dennis van der Veen** (The Netherlands).

The Register of ISCO Members is maintained by **Ms Mary Ann Dalgleish** (Membership Director). She is also responsible for collecting membership dues.

The Executive Committee is assisted by the non-executive ISCO Council composed of the following national representatives – **Mr John Wardrop** (Australia), **Mr Osman Tarzumanov** (Azerbaijan), **Mr John Cantlie** (Brazil), **Dr Merv Fingas** (Canada), **Captain Davy T. S. Lau** (China, Hong Kong), **Mr Li Guobin** (China, Mainland), **Mr Darko Domovic** (Croatia), **Eng. Ashraf Sabet** (Egypt), **Mr Torbjorn Hedrenius** (Estonia), **Mr Pauli Einarsson** (Faroe Islands), **Prof. Harilaous Psaraffis** (Greece), **Captain D. C. Sekhar** (India), **Mr Dan Arbel** (Israel), **Mr Sanjay Gandhi** (Kenya), **Chief Kola Agboke** (Nigeria), **Capt. Chris Richards** (Singapore), **Mrs Fatima B. Shaik** (South Africa), **Dr Ali Saeed Al Ameri** (UAE), **Mr Kevin Miller** (UK) and **Dr Manik Sardesai** (USA).

For more info on Executive Committee and Council Members go to www.spillcontrol.org

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International news

For more information on the events featured below, click on the banners



**SEASON'S GREETINGS
TO ALL OUR READERS**



PROGRESS ON ISCO-BIMCO INTERNATIONAL SPILL RESPONSE CONTRACT

In London at last week's Salvage & Wreck Removal Conference Tony Paulson of the West of England P&I Club and Chairman of the joint ISCO-BIMCO Working Group gave a presentation on progress being made in developing the new International Spill Response Contract.

The concept of the new Contract came out of ISCO's involvement in the 2015 communications exercise organised by the North Pacific Coast Guard Forum to test the IMO International Offers of Assistance (IOA) Guidelines. ISCO operated a facility under which ISCO members were enabled to offer urgently needed response resources to the Korean Coast Guard in a major disaster scenario involving a collision between a loaded VLCC and a large container vessel. The facility worked well with a good response from ISCO members who, collectively, represent a huge response capability.

Another outcome of this exercise was the realisation that the lack of an internationally recognised standard contract for emergency spill response intervention (like Lloyds Open Form for salvage) was not conducive to rapid mobilisation of resources. A new ISCO initiative resulted in the setting-up of a joint ISCO-BIMCO working group to develop an internationally recognised contract. Such a contract would speed up mobilisation by avoiding the delays that result from complex contract negotiations.

The joint Working Group (WG) was first convened in early 2016 and has made good progress. Over the last few months the WG has received welcome support and input from the International Group of P&I Clubs, the International Salvage Union (an ISCO industry partner), the International Tanker Owners Pollution Federation and others including, more recently, the Spill Control Association of America. A wide consultation exercise has been conducted amongst interested stakeholders, resulting in receipt of many comments that have required study and consideration.

PROFESSIONAL MEMBERSHIP

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Professional recognition is a visible mark of quality, competence and commitment, and can give you a significant advantage in today's competitive environment.

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International news (continued)

Because of the different legal considerations, largely due to OPA 90, there will be two versions of the Contract – one for the USA and one for the rest of the world.

Work on the latter is near completion and it is hoped that the former will be complete before summer 2017.

Amongst stakeholders there is evidence of a desire to see the Contract published as soon as possible. However, the view is that both versions of the Contract should be published at the same time.

Additionally, the WG is determined to ensure that the views of the all stakeholders are fully explored and that we have an agreement which is fully fit for purpose

MEDITERRANEAN - REGIONAL WORKSHOP

December 16 - A regional workshop aimed at finalizing guidelines which will provide practical information on responding to significant marine pollution incidents, concluded in Malta this week (14-15 December).

The guide also provides a comprehensive overview of the cooperation and mutual assistance in cases of emergency in the Mediterranean region as a whole.

The event, organized by REMPEC, gathered representatives of the contracting parties to the Barcelona Convention and other organizations interested in arrangements in the field of oil spill preparedness and response and Hazardous and Noxious Substances (HNS).

IMO was represented by Colleen O'Hagan.
<http://www.imo.org/EN/Pages/Default.aspx>

Below : Group photo of the workshop participants



Incident reports from around the world

USA: TEXAS - CORPUS CHRISTI: CHEMICAL NAMED IN WATER POLLUTION CRISIS

December 16 - Corpus Christi officials have identified a chemical that is suspected to have leaked into the Texan city's tap water on Wednesday night. The contaminant, they say, is Indulin AA-86, an asphalt emulsifier which can burn human skin in concentrated form. On Wednesday the city of 320,000 people announced that residents should not touch, drink or use the water. The ban has since been lifted for some city dwellers while officials investigate the origin of the spill. *BBC News* [Read more](#)

Incident reports from around the world (continued)

UK: PROBE INTO DIESEL SPILL AT DONCASTER NATURE RESERVE

December 14 - An investigation is under way after a large diesel spillage was discovered near a nature reserve. The spillage was caused by oil that had got into a drain and affected a nearby pond close to Potteric Carr nature reserve. *The Star* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

CANADA: DIESEL SPILL IN GRAND MANAN HARBOUR LEFT UNATTENDED FOR 2 WEEKS

December 14 - Residents of Grand Manan Island are concerned about a diesel spill at the North Head Fishermen's wharf that has been left unattended for two weeks. Fishermen alerted harbour authorities when the spill first started, and then again last week. But residents say no one has come to investigate the source of the problem. *CBC News* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

AUSTRALIA: EXCLUSION ZONE IN PLACE AS FIRE CREWS WORK TO CLEAN-UP CHEMICAL SPILL AT PORT MELBOURNE DOCKS

December 15 - A major operation has been launched to contain a potentially dangerous chemical spill at Port Melbourne. Emergency services were called to the docks at Port Melbourne around 7pm last night after receiving reports of a dangerous chemical spill.

Around 10 to 20 litres of ferric chloride solution was spilled from a 26 tonne barrel inside a shipping container. Fire crews wearing full protective gear and breathing apparatus spent four and a half hours working to bring the situation under control. *9News.com* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

UK: HOSPITAL IS FORCED TO CLOSE AFTER 6,000 LITRES OF DIESEL SPILLED ONTO THE MATERNITY WARD FROM A FAULTY VENTILATION SYSTEM

December 13 - Hospital is forced to close after 6,000 litres of diesel spilled onto the MATERNITY WARD from a faulty ventilation system. *Daily Mail* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

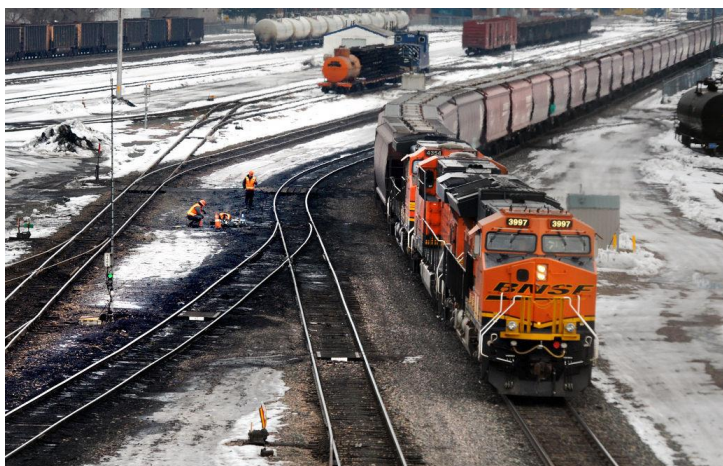
BULGARIA: DEATH TOLL IN BULGARIA TANKER TRAIN EXPLOSION RISES TO 8

December 11 - Bulgarian authorities say the death toll from a tanker train explosion has risen to eight after a young man died of severe burns.

Saturday's explosion after the train derailed caused major damage in a north-eastern village, leaving another 29 injured, many with severe burns, the Interior Ministry said. Authorities declared a state of emergency in Hitrino on Sunday.

Prime Minister Boiko Borisov, who is heading a crisis center at the scene, confirmed that the death toll had climbed to eight. The entire village remained evacuated Sunday as a precaution. Emergency teams were draining the propylene and liquefied petroleum gas out of the tankers. *Business Insider* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

USA: MONTANA - 7,000 GALLONS OF FUEL SPILLED IN RAIL LINK YARD



December 16 - Specialists in environmental remediation remained on scene Thursday to clean up the rest of some 7,000 gallons of diesel fuel spilled three days earlier from a pipeline in Montana Rail Link's Missoula rail yard.

In a statement released Thursday evening after queries by the Missoulian, MRL spokesman Jim Lewis said the spill occurred when a pipeline component used to deliver diesel fuel to its locomotive facility malfunctioned. The locomotive facility is located near the east end of the yard. The leak was detected at around 5:30 a.m. Monday. *Missoula* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

News reports from around the world (countries listed in alphabetical order)

CHINA: ITOPF PARTICIPATES IN AN EXCHANGE PROGRAMME ON OIL SPILL RESPONSE

December 16 - An exchange programme for oil spill response officers was held in Shanghai, China under IMO's Integrated Technical Cooperation Programme (ITCP), from 28 November - 2 December 2016. The activity was organised within the framework of the Memorandum of Understanding between the IMO and the Ministry of Communications of the People's Republic of China on technical cooperation and in collaboration with the Shanghai Maritime University. Delegates included 15 participants from 12 China MSA branches and a further 18 participants from eight different Association of South East Asian Nations (ASEAN).

The programme aims to strengthen the capacity of oil spill response personnel in the effective discharge of their responsibilities as port and coastal States as well as understanding the different practices and concerns regarding oil spill response.



ITOPF's Miguel Patel and Iain Harrison, in collaboration with other consultants, prepared and delivered lectures and exercises related to oil spill preparedness, response and cooperation.

The event also included the opportunity for delegates to visit the Emergency Response Warehouses of both Shanghai Pudong MSA and Shanghai Resolve-Shengmin OSRO Co., Ltd. Further visits were made to the MSA Response Vessel HAIXXUN 01 and the Shanghai Wusong VTS Centre. *ITOPF* [Source document](#)

MYANMAR ACCEDES TO OIL POLLUTION TREATY

December 15 - Myanmar has become the 111th State to accede to the International Convention on Oil Pollution Preparedness, Response and Co-operation ([OPRC](#)). The IMO treaty establishes measures for dealing with pollution incidents, either nationally or in cooperation with other countries. Mr. Kyaw Htin Lin, Minister Counsellor of the Embassy of Myanmar in the United Kingdom, deposited the instrument at IMO Headquarters in London, today (15 December). *IMO* <http://www.imo.org/EN/MediaCentre/WhatsNew/Pages/default.aspx>

UK: OSRL CLAIMS AND COMPENSATION EXERCISE

December 15 - The Head of the IOPC Funds Claims Department, Liliana Monsalve, and Chiara Della Mea, Claims Manager, ran a one-day claims and compensation exercise for Oil Spill Response Limited (OSRL) in Southampton, United Kingdom. The exercise was attended by 12 OSRL responders and consisted of a table top exercise based on a theoretical incident and covered the preparation and assessment of claims for clean-up operations. [IOPC Funds](#)

USA: CBIRF CONDUCTS CERTIFICATION EXERCISE AT NSF DAHLGREN, NSF INDIAN HEAD



Photo: CBIRF conduct IRF certification exercise aboard NSF Indian Head, NSF Dahlgren

December 16 - Marines and sailors with Chemical Biological Incident Response Force, CBIRF, conducted an Initial Reaction Force B certification exercise, CERTEX, at Naval Support Facility Dahlgren, Va., Dec. 13, 2016. This CERTEX evaluated all sections composing the IRF including identification and detection, technical rescue, decontamination, search and rescue/casualty extraction, medical, explosive ordnance disposal, as well as command and control.

This CERTEX evaluated all capabilities of the IRF including identification and detection, technical rescue, decontamination, search and rescue/casualty extraction, medical, explosive ordnance disposal, as well as command and control to better inform the commanding officer how quickly and effectively IRF B is able to respond to a chemical, biological radiological, nuclear and high yield explosive device threats. *Marines* [Read more](#)

EVALUATION

A new series of articles contributed by Mark Francis of Oil Spill Solutions



Mark Francis has been involved with the oil industry since 1975. He attended his first oil spill in 1976, the Tanker Elaine V incident. He became head of response for inland spills within the UK for British Petroleum E & P in 1980 for 10 years responding to well, storage tank and pipeline spills throughout the UK. Over the next 25 years he continued to build his international operations experience and has also specialised in spill response training, delivering IMO and other courses in more than 20 countries.

Part 10

Methods of Observation

Eye Sight

Nowadays, combined resources are used, such as GPS, photographic equipment, video cameras and sophisticated equipment and the human eye itself in order to observe the location of the oil, in order to make a better evaluation of the scene of the accident.

Colour Photography

Standard colour photography may be used from the aircraft, as well as from ships and the shore.

Normally oil must be thicker than 0.4 microns in order for the photographs to show any results.

Photographs taken with geographic information supplied by GPS makes it possible to better understanding of the behavior of movement of the oil slick, besides making documentation easier.

Photography may be used in order to provide an record of the polluted areas, especially coastlines. An indication of the thickness of the slick may be obtained.

Photo ITOPE

Studies show that the best angle for taking photographs is 53 degrees.

In order to take photographs of oil slicks a polarized film should be used with the camera in order to reduce the reflection from the surface of the water.

The best results are obtained in clear weather.

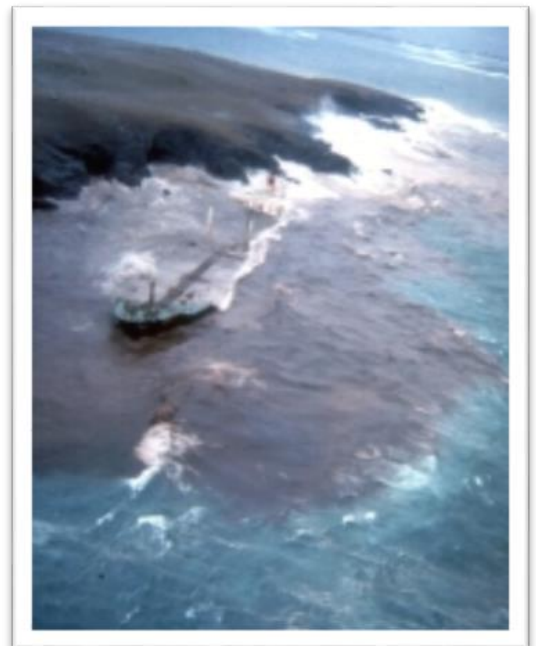
If there are many clouds, the photographs might not have sufficient contrast.

The photographer should follow these guidelines:

- Try to take a photograph as vertically as possible (53 degrees).
- Use the shortest exposure time (1/250 or faster).
- Overlap photographs by about 20%.
- Use high-velocity color film (200 or 400 ASA).
- Use a polarized filter in order to reduce the brilliance of the surface of the water.
- Photographs at low tide will yield information about the types of shorelines.

From an aerial point of view it is very difficult to distinguish between oil and a variety of other phenomena. It is necessary to verify as closely as possible a suspected oil spill.

Flying at a low altitude allows for a better identification of an oil slick. Looking down at 90° is usually the best way to see black or brown oil.



Special feature (continued)

Errors of interpretation may be made - see the photos below:



Jelly fish, Cloud shadows, Water density, Kelp beds, Coal/Mineral deposit, Surface currents, Sea Grass, Red Tide, Aerial Sardine bait ball, under the water during the South African sardine run.

Acknowledgement of borrowed photos and other material in this article – Over a period of years Mark has compiled an extensive repertoire of material for training purposes, some of which has been replicated in this article. As all the original sources cannot all be recalled, he apologises for not being able to acknowledge all of the individual sources but does wish to record his gratitude to those who have helped him

To be continued

Science and technology

SAWDUST REINVENTED INTO SUPER SPONGE FOR OIL SPILLS



Photo: PNNL microbiologist Robert Jeters sprinkles PNNL's chemically modified sawdust onto a small oil spill inside the Arctic simulation lab, where researchers mimic extreme freezing conditions and make icy slush that is similar to what is found on the surface of the Arctic Sea. Credit: Pacific Northwest National Laboratory

December 12 - Researchers at the Department of Energy's Pacific Northwest National Laboratory have chemically modified sawdust to make it exceptionally oil-attracting and buoyant, characteristics that are ideal for cleaning oil spills in the icy, turbulent waters of the Arctic. The nontoxic material absorbs up to five times its weight in oil and stays afloat for at least four months.

Science and technology (continued)

"Most of today's oil remediation materials are designed for warm water use," said PNNL microbiologist George Bonheyo, who leads the modified sawdust's development from PNNL's Marine Sciences Laboratory.

"But as ice retreats in the Arctic Sea, fossil fuel developers are looking north, and we need new oil spill response methods that perform well in extreme conditions," added Bonheyo, who also holds a joint appointment in bioengineering with Washington State University.

"The chance of an oil spill in the Arctic is real," said fellow PNNL microbiologist Robert Jeters, who is also part of the project. "We hope materials like our modified sawdust can help if an accident happens."

Containing oil spills in cold waters is especially tricky, as bobbing ice chunks push oil below the water's surface, making it difficult to collect. The same goes for rough waters, whose tall, clashing waves disperse oil.

The modified saw dust pulls double duty. Beyond absorbing oil, it also enhances another approach to combatting oil spills -- controlled burns. If changing weather or tides move spilled oil toward a sensitive area fast, oil can be burned before it can cause further harm. Called in-situ burning, the practice can significantly reduce the amount of oil in water and minimize its adverse environmental effects.

Bonheyo and his team looked to develop an environmentally friendly and inexpensive material that floats despite rough or freezing waters and can support in-situ burning. Not wanting to create more pollution if emergency responders can't retrieve oil cleanup material, Bonheyo's team considered other natural ingredients like rice hulls and silica. But they ultimately found their winner in a fine dust called wood flour. A woodworking byproduct, wood flour is often used to make wood composites.

To make the dust into a thirsty oil mop, researchers chemically attach components of vegetable oil onto the material's surface. These attachments make the modified material oil-grabbing and water-shunning. The final product is a light, fluffy, bleached powder. The team is also trying out adding tiny, oil-eating microbes -- fungi and bacteria -- to the powder's surface so any left-behind material could naturally break down oil over time.

Applying the modified sawdust is simple: sprinkle a thin layer over oil on the water's surface. The material immediately starts soaking up oil, creating a concentrated and solid slick that stays afloat thanks to the material's buoyant nature. The oil-soaked material can either be burned or retrieved.

The team is using PNNL's unique Arctic simulation lab in Sequim, Washington to evaluate the material in icy waters. The facility is a customized shipping container that cools down to as low as 5 degrees Fahrenheit, which prompts researchers to don snowmobile suits and ski masks while they work. Ice slush forms on the surface of water that circulates inside a 290-gallon raceway pond placed inside the bitterly cold lab space. Oil is spilled on the slushy surface, followed by a sprinkle of modified sawdust. Tests have shown the material's water-repellent nature prevents ice from forming on it, allowing it to soak up oil and remain at the surface.

Researchers are also testing how well the material performs in controlled burns. They conducted initial burns this fall at the U.S. Coast Guard and Naval Research Laboratory's Joint Maritime Test Facility near Mobile, Alabama. Burn tests continue today at PNNL's Marine Science Laboratory. Early results indicate a small amount of material enables burning of both thin and thick layers of spilled oil.

In the coming months, PNNL will further evaluate the modified sawdust. The material will need additional testing and approval by multiple agencies before it can be used at actual oil spills.

See a video at: https://www.youtube.com/watch?v=DWb6dz_tzfq

Story Source: [Materials](#) provided by [Pacific Northwest National Laboratory](#).

www.sciencedaily.com/releases/2016/12/161212152656.htm

ECO-FRIENDLY NANOMEMBRANE REMOVES OIL SPILLS

December 8 - Researchers from Egypt and Saudi Arabia have developed a simple way to manufacture an eco-friendly and affordable membrane that can efficiently adsorb oils spills from sea or waste **water**.

The membrane can recover quickly and easily for reuse — it can be applied at least 10 times with the same efficiency, according to [a study published in *Marine Pollution Bulletin*](#).

Science and technology (continued)

Leakage of petroleum pollutants into water can be catastrophic to the environment and aquatic life systems. The methods used to remove these pollutants are complex and very expensive; some require use over a long period and involve many workers, while others have a harmful effect on marine and aquatic organisms.

These methods include using chemical dispersants to penetrate the oil and break it up into small pools, setting the oil ablaze at the spill site, or gathering oil from the water surface by mechanical means.

The method that has proved most efficient, in terms of cost and ease of extracting oil, is the use of cheap and eco-friendly adsorbing materials which turn the oil layer to solid or semi-solid particles that can be easily removed.

However, these materials have shortcomings such as instability or a declining capacity to function during the adsorption process. In addition, they can't be used for all spills.

More recently, the application of nanoscale polymeric adsorbents proved effective in removing oil spills on a large scale. And there is a trend towards using polymer blends for this purpose.

Following this trend, the study published last September tested blends of nanoscale polyvinyl alcohol polymers, considered to be among the most dissolvable and non-toxic biopolymers. They can also be manufactured relatively cheaply from biodegradable and biocompatible polymers. *SciDevNet* [Read the complete text of this article](#)

POLAR COD AFFECTED BY SMALL QUANTITIES OF OIL SPILL: RESEARCH

August 8 - A new research in Norway has shown that even microscopic amounts of oil spill can create malformations and reduce the growth of polar cod, news agency NTB reported on Monday.

In an experiment made by researchers at UiT The Arctic University of Norway, 12,000 eggs from polar cod were exposed to tiny, but realistic amounts of raw oil. Although the oil spills did not kill them, the test has shown that the larvae grew smaller and with malformation.

"The levels that were used in the experiments were so low that it was not possible to measure them in the laboratory. However, the fact that such small amounts give so clear results is in itself both sensational and important," associate professor Jasmine Nahrgang told the university's online newspaper. *Xinhua* [Read more](#)

Events

USA: 27TH ANNUAL NO SPILLS CONFERENCE – MICHIGAN, JANUARY 4-6, 2017

The 27th Annual No Spills Conference is held at the Grand Traverse Resort in Acme, Michigan, January 4 – 6. The theme for this year's conference is New and Innovative Technology for Spill Prevention & Response.

This year we will be having a facilitated Homeland Security Exercise and Evaluation Program (HSEEP) tabletop exercise. You will be asked during registration if you plan on attending the exercise. For more info, see [NoSpills2017 - What's Your Role Exercise Flyer_20161101.pdf](#)

2017 Topics include - What Is Your Role Table Top Exercise + Flint Drinking Water Incident and Agency Response + Drones in the Oil & Gas Industry + New Detection Techniques + Oil Spill Response on Broken Ice + The Risks of Micro Plastics [Register now](#)

KUWAIT: 2nd OIL SPILL CONFERENCE : 10-12 JANUARY 2017

Kuwait 2nd Oil Spill Conference provides a culture of preparedness within the oil spill response community. First time initiated in Kuwait 2nd Oil Spill Conference provides a global vital platform for international oil spill response community, which includes professionals from local, regional and global community, private sector, government, and non-governmental organizations. Professional will highlight and discuss sound sciences, practical innovations and best practices across the spectrum of prevention, preparedness, response and restoration. Kuwait 2nd Oil Spill Conference is focused on the changing landscape of Spill Preparedness and Response as oil & gas Exploration and Production, and shipping activities continue to move into more challenging environments and more public sensitivities, where the risks of oil spill are increasing significantly. [More info, agenda and registration](#)

Events (continued)

SUBMIT AN ABSTRACT FOR A CHANCE TO SPEAK AT THE INAUGURAL CLEAN WATERWAYS CONFERENCE

December 16 - Submit an Abstract for a Chance to Speak at the Inaugural CLEAN WATERWAYS Conference

CLEAN WATERWAYS is extending an industry-wide call for participation. Prospective speakers are invited to submit a 200-300 word abstract(s) online for consideration by the program committee by Friday, January 6, 2017. Those accepted to speak receive complimentary registration to the conference.

CLEAN WATERWAYS focuses on improving oil and hazardous materials spill prevention and response on inland river systems. It is intended to facilitate an open exchange of ideas, case studies and best practices for stakeholders from industry, government, environmental, emergency planning and response industries throughout maritime, facilities, rail, and pipeline.

We are seeking abstracts including, but not limited, to:

- | | |
|---|--|
| <ul style="list-style-type: none">• Area contingency plans• Asset security• Best practices for spill response• Case studies• Common Operating Picture• Contingency planning• Coordination issues between Federal/State/Industry• Communication• Drills/exercises• Emerging spill response technologies• Environmental issues• Hazmat response techniques and safety• Health and Safety Issues for Responders• Incident Command Systems• Lessons learned | <ul style="list-style-type: none">• Media relations• New technologies• Oil and HAZMAT Transportation• Preparedness• Prevention• Quality assurance• Railway incidents• Regulations• Response techniques• Responder training• Restoration methods• Risk assessment and management• Safety assessments and planning• Security concerns during an incident• Unified Command• Use of the Area Command• Wildlife care issues |
|---|--|

Favorable consideration will be given to:

- Case Studies
- Speakers from operating companies and regulatory agencies

All submissions must:

- Be objective and include practical and impartial information. They must not be commercial in nature or product specific
- Identify primary and contributing authors. Abstracts authored or co-authored by users/operators will receive favorable consideration
- Abstracts/posters involving actual implementations and/or case studies will receive favorable consideration

Those wishing to be considered for a speaking opportunity should submit their abstract [online](#) by Friday, January 6, 2017. Speakers will be notified by February 3, 2017 concerning acceptance into the program. If you have any questions, please contact [Cassie Davie](#), Sr. Conference Manager, at 713-343-1891

Training

SEA ALARM: CREATING TARGETED TRAINING FOR RESPONDERS, GOVERNMENTS AND INDUSTRY



Training has always been an important component of Sea Alarm's work, and in the last few years, the organisation has concentrated on assisting wildlife responders, governments and industry with developing their skills and knowledge in a variety of training formats.

Sea Alarm has developed a range of training modules which we use in all kinds of situations where groups of people show an interest in "Sea Alarm's view on the world" and invite us to deliver a training course. Our training courses have various themes related to oiled wildlife response, including awareness and planning, response management for oil spill response advisers and ICS staff (including Wildlife Branch Directors), as well as field and facility management.

Training (continued)

We find it very helpful to include table top exercises in these courses, and our “Fantasia” exercise suite is not only continuously expanding, but always much appreciated. Increasingly we are developing e-learning packages, and using modelling tools to describe and to help people better understand the complex dynamics of facility management.

In collaboration with other parties, we continue to advance and expand on the portfolio of hands-on training packages. A few years ago Sea Alarm helped to develop the POSOW [Oiled Wildlife Response course](#), which includes various modules that can be used for so-called “basic” responders (people that register as convergent volunteers during an incident). With our EUROWA partners we are currently in the last stage of developing more in-depth training packages for key hands-on positions in an oiled wildlife response (see [EUROWA Project](#) at [oiledwildlife.eu](#)). These training packages include complete courses for:

- Advanced Responders
- Veterinarians
- Experts and Section Heads
- Field and Facility Managers

With these courses, in addition to Sea Alarm's in-house courses, there is a quite complete overall portfolio available for anyone required to play a role in a wildlife incident response.

Recently, Sea Alarm has run courses for a variety of groups and organisations, including European authorities, for the [International Tanker Owners Pollution Federation](#) (ITOPF), the [International Oil Pollution Compensation Funds](#) (IOPC Funds), [Oil Spill Response Limited](#) (OSRL), national stakeholder groups (e.g. Ireland) and a range of oil companies.

As of 2017, we aim to offer our courses more on a regular basis, so stay tuned to learn more about the schedule of courses we are planning to organise and to which you can sign up.

LLOYDS MARITIME ACADEMY: CERTIFICATE IN MARINE POLLUTION PREVENTION AND MANAGEMENT

This course provides a convenient solution and delivers a current, comprehensive knowledge of the overall framework governing marine pollution, including applicable regulations, compliance requirements and related management strategies.

It presents an integrated approach, analysing the many sources of pollution, describing best practices for minimising contamination, responding to accidents and exploring legal ramifications throughout the maritime and offshore sectors. [Hear more about the why you should study this fantastic programme from the Course Director](#)

Links for recent issues of other publications (in alphabetical order)

[AMSA Aboard](#)
[ASME EED EHS Newsletter](#)
[Bow Wave](#)
[Cedre Newsletter](#)
[CROIERG Enews](#)
[EMSA Newsletter](#)
[Environmental Technology Online](#)
[IMO News Magazine](#)
[IMO Publishing News](#)
[Intertanko Weekly News](#)
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[MOIG Newsletter](#)
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[Ocean Orbit](#)
[OCIMF Newsletter](#)
[Pollution Online Newsletter](#)
[Sea Alarm Foundation Newsletter](#)
[Technology Innovation News Survey](#)
[The Essential Hazmat News](#)
[Transport Canada Newsletter](#)
[USA EPA Tech Direct](#)
[USA EPA Tech News & Trends](#)
[WMU Newsletter](#)

News from the Australian Maritime Safety Authority
News and commentary on HSE issues from George Holliday
Sam Ignarski's Ezine on Marine & Transport Matters
News from Cedre in Brittany, France
Canberra & Regions Oil Industry Emergency Response Group
News from the European Maritime Safety Agency
Environmental Monitoring, Testing & Analysis
News from the International Maritime Organization
New and forthcoming IMO publications
International news for the oil tanker community
Int'l Organisation for Industrial Hazard Management
News from the Mediterranean Oil Industry Group
News from the North West Pacific Action Plan
Newsletter from the International Tanker Owners Pollution Federation
News from the Oil Companies International Marine Forum
News for prevention & control professionals
Oiled wildlife Preparedness and Response news from Sea Alarm
News from US EPA – Contaminated site decontamination
Alliance of Hazardous Materials Professionals
News and articles re transport of dangerous goods in Canada
Remediation of contaminated soil and groundwater
Contaminated site clean-up information
News from the World Maritime University

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October 2016 issue
October 2016 issue
Quarter 1, 2016 issue
May 2016
November 2016 issue
December 14 2016
Autumn 2015 issue
October 16-31, 2016
Feb 29, 2016 issue
July 2016 issue
December 1, 2016
Spring 2016 issue
July 2016 issue

Your editor depends on regular receipt of updated links for listed publications. If these are not received, relevant entries may be discontinued

Upcoming events summary

COUNTRY	2017	TITLE OF EVENT	LOCATION
For more information click on Title of Event			
USA	January 4-6	27th Annual, No-Spills Conference	Acme, Michigan
KUWAIT	January 10-12	Kuwait 2nd Oil Spill Conference	Kuwait
JAPAN	February 2	PAJ Oil Spill Workshop 2017	Tokyo
UK	March 7	UK Spill Annual Members' Meeting and Dinner	London
USA	March 28-30	2017 SCAA Annual Meeting & Conference	Washington DC
UAE	April 10-12	RECSCO EnviroSpill 2017	Abu Dhabi
SINGAPORE	April 25-28	10th Intl Chemical and Oil Pollution (ICOPCE)	Singapore
USA	May 15-18	International Oil Spill Conference	Long Beach CA
USA	June 27-28	Clean Waterways	Louisville KY
	2018		
UK	March 13-15	2018 INTERSPILL Conference and Exhibition	London
To request posting of an event of interest to the Spill Response Community please send details to the Editor			

Company news

ARDENT COMPLETES LARGEST WRECK REMOVAL PROJECT OF 2016

December 7 - Ardent completed removing the Troll Solution jack-up in November, 2016; the largest wreck removal completed in 2016. Weighing approximately 7,000 tons, the jack-up Troll Solution experienced a debilitating accident while carrying out maintenance work on the wellhead platform CAAN-A in 2015. [Read more](#)

ISCO MEMBER, INDUSTRIAL ENVIRONMENTAL & MARINE SERVICES (IEMS) RESPONDS TO CONTAINER TERMINAL INCIDENT



IEMS-Egypt was activated in November 2016 to support container terminal response following quayside impact. Upon arrival on-scene the IEMS duty manager developed the Incident action plan, which was rapidly approved by the terminal management. Containment, Cross Contamination and final polishing of quayside and vessels completed to the satisfaction of the P and I club, Terminal Management and regulators. All vessels alongside the terminal that were contaminated due to the release of heavy fuel oil, had the hulls cleaned before proceeding to sea.

<https://www.facebook.com/IEMSEgypt>

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