

## ISCO & THE ISCO NEWSLETTER

The International Spill Control Organization, a not-for profit organization 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 Intergovernmental, Governmental, NGO's and interested groups and individuals

ISCO holds consultative status at the International Maritime Organisation and observer Status at International Oil Pollution Compensation Funds

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## INTERNATIONAL NEWS

CLICK ON THE BANNERS BELOW FOR MORE INFORMATION ON THE EVENTS FEATURED



**JUNE 19-21, 2018**  
**PORTLAND OREGON**

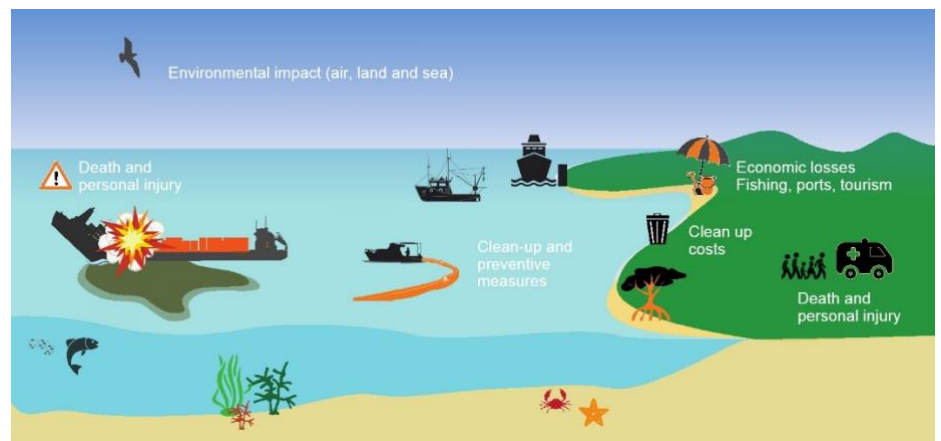
Spill prevention and response for oil and hazardous materials in the marine and inland environment

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# SPILLCON

**20 – 24 May 2019 Perth, Australia**

## IMO WORKSHOP ON THE 2010 HNS CONVENTION 26-27 APRIL 2018



IMO is holding a two-day workshop on the 2010 HNS Convention, at IMO Headquarters from 26-27 April 2018.

The workshop, organized in cooperation with the IOPC Funds, will focus on practical issues raised by States implementing the 2010 HNS Convention, which are mainly linked to the reporting of contributing cargo that need to be in place prior to a State being able to ratify or accede to the Convention. There will also be discussions on HNS incidents and risks.

For further information, including the provisional programme for the event, please see [here](#). IMO/[Read more](#)

### Related links

- [Presentation on HNS Incident Scenarios](#)
- [Brochure on the HNS Convention](#)
- [HNS Convention website](#)

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## INTERNATIONAL NEWS (CONTINUED)

### SCIENTISTS ACCIDENTALLY CREATE MUTANT ENZYME THAT EATS PLASTIC BOTTLES

*The breakthrough, spurred by the discovery of plastic-eating bugs at a Japanese dump, could help solve the global plastic pollution crisis. [Watch the video](#)*

Scientists have created a mutant enzyme that breaks down plastic drinks bottles – by accident. The breakthrough could help solve the global plastic pollution crisis by enabling for the first time the full recycling of bottles.

The new research was spurred by the discovery in 2016 of the first bacterium that had naturally evolved to eat plastic, at a waste dump in Japan. Scientists have now revealed the detailed structure of the crucial enzyme produced by the bug.

The international team then tweaked the enzyme to see how it had evolved, but tests showed they had inadvertently made the molecule even better at breaking down the PET (polyethylene terephthalate) plastic used for soft drink bottles. "What actually turned out was we improved the enzyme, which was a bit of a shock," said Prof John McGeehan, at the University of Portsmouth, UK, who led the research. "It's great and a real finding."

The mutant enzyme takes a few days to start breaking down the plastic – far faster than the centuries it takes in the oceans. But the researchers are optimistic this can be speeded up even further and become a viable large-scale process.

About 1m plastic bottles are sold each minute around the globe and, with just 14% recycled, many end up in the oceans where they have polluted even the remotest parts, harming marine life and potentially people who eat seafood. "It is incredibly resistant to degradation. Some of those images are horrific," said McGeehan. "It is one of these wonder materials that has been made a little bit too well."

However, currently even those bottles that are recycled can only be turned into opaque fibres for clothing or carpets. The new enzyme indicates a way to recycle clear plastic bottles back into clear plastic bottles, which could slash the need to produce new plastic.

The new research, published in the journal Proceedings of the National Academy of Sciences, began by determining the precise structure of the enzyme produced by the Japanese bug. The team used the Diamond Light Source, near Oxford, UK, an intense beam of X-rays that is 10bn times brighter than the sun and can reveal individual atoms.

[Read the complete text of this article by Damian Carrington Environment editor of The Guardian](#)

## INTERNATIONAL SALVAGE UNION HAS PUBLISHED ISU POLLUTION SURVEY 2017

International Salvage Union members' operations in 2017 involved vessels carrying more than 3.4 million tonnes of potential pollutants

Members of the International Salvage Union (ISU) provided 252 services to vessels carrying 3,405,477 tonnes of potentially polluting cargoes during operations in 2017. It is a significant increase on the previous year and shows the importance of ISU members' role in protecting the marine environment. The data come from the results of the ISU's 2017 Pollution Prevention Survey. The survey was re-based in 2014 to include a wider range of potential pollutants including containers and hazardous and dirty bulk cargoes.

Commenting on the results of the survey, President of the ISU, Charo Coll, said: "After saving life, protection of the marine environment is the priority in all salvage operations.

The results of this survey demonstrate clearly of how our members' services have helped to protect the marine environment from potential damage".

The most significant factor in the increase in 2017 is a larger number of bulk cargoes. This category includes products such as ammonium nitrate, coal, scrap steel, grains, soya and cement. A number of bulk cargoes are not included as potential pollutants, however, ISU members also provided services to bulkers carrying 845,976 tonnes of non-hazardous dry bulk – chiefly ores.

ISU/[Read the complete text of the Pollution Survey](#)





## INTERNATIONAL SPILL ACCREDITATION ASSOCIATION REPORT ON CASTLE ARCHDALE TRAINING AND EXERCISES 11<sup>TH</sup> AND 12<sup>TH</sup> APRIL 2018

This year's training consisted of a whole day with various lecturers dealing with aspects of a domestic heating oil spill which had migrated beneath the foundations of a house. Day One covered all aspects of dealing with a spill from tracing the pathway of the oil, drilling sampling holes, down well recovery from the groundwater table, taking samples and technical laboratory help available, dealing with air contamination and standards to be met and developing methods of clean-up through use of bioremediation.



*Day 1 Introduction by Kerry Anderson from NIEA to Castle Archdale*

Day 2 allowed accredited companies to demonstrate their capability of responding to a surface freshwater spill. The exercise was carried out by Verde Remediation Services who adequately demonstrated risk assessment, safety briefing and competence in dam building, deployment of retention booms, operation of skimmers and use of oil absorbent materials. Client liaison was well done and general training of all staff in clean-up techniques was evident.

**Photo below: Day 2 The Team from Verde Remediation preparing to deploy boom**



The next meeting of the ISAA Ireland Steering Group is planned for November 2018.

Anyone wishing to have further information about ISAA accreditation both in the UK, Ireland or Internationally please see the ISAA web site – [www.isaa.org.uk](http://www.isaa.org.uk)

**Note:** The MCA and BEIS are expected to disseminate the “UK National standard for Marine Oil Spill Response Providers” in Mid 2018 and for it to become active in Mid 2019.

ISAA is working with UK Spill, who also provide accreditation of response contractors, to identify areas of mutual interest and future cooperation including the potential to establish a single accreditation body and/or common accreditation standards.

## INCIDENT REPORTS (in chronological order)

### CANADA: PIPELINE LEAKS 290,000 LITRES OF OIL AND SALTWATER IN NORTHERN ALBERTA

April 16 - The Alberta Energy Regulator is reporting that a pipeline leaked about 100,000 litres of oil and 190,000 litres of salty produced water near Zama City in the far northwest corner of the province.

The AER says on its website that Calgary-based Paramount Resources Ltd. reported the leak last week from one of its pipelines about nine kilometres northeast of the community. CBC News / [Read more](#) [Thanks to Dr Merv Fingas, Hon.FISCO]

### SINGAPORE: BUTANE LEAKS AFTER VERY LARGE GAS CARRIER AND TANKER COLLIDE - AIS REPLAY

April 17 - Singapore's Maritime and Port Authority (MPA) said it is investigating a collision between two tankers in Singapore waters on Tuesday that led to a leak of liquefied petroleum gas (LPG) from one of the ships.

An estimated 1,796 tonnes of butane gas leaked from the LPG tanker involved but this posed no danger to shipping and measures had been taken by the ship's crew to stop the leak, MPA said in a statement. gCaptain / [Read more](#)

### INDONESIA SAYS PANAMA-FLAGGED SHIP CAUSED MAJOR OIL SPILL

April 18 - Indonesia on Wednesday blamed a Panama-flagged ship for causing a major oil spill off Borneo island that killed five and sparked its worst environmental disaster in years.

The Southeast Asian nation's navy said the nearly 230m long cargo ship MV Ever Judger was the only cargo vessel in the area at the time of the accident last month, adding that the ship's 12-ton anchor was likely what ruptured an undersea pipe.

Divers found a nearly 500m-long gash torn into the seabed which resembles the vessel's anchor, investigators said.

"We suspect the undersea pipe rupture was caused by the ship's anchor," Harjo Susmoro, head of the Indonesian navy's oceanography and hydrography centre, said Wednesday. The Sun Daily / [Read more](#)

## NEWS REPORTS FROM AROUND THE WORLD (countries listed in alphabetical order)

### AUSTRALIA: AMOSC TRAINING DATES AND CALENDAR

Planning your Oil Spill Response Training for 2018? The AMOSC 2018 Training Calendar is now available and bookings are being accepted. [Click here](#) for 2018 course dates and scale of fees. [Click here](#) for the 2018 training calendar.

### CANADA: FILMMAKER HIGHLIGHTS NEED FOR BETTER OIL SPILL RESPONSE

March 21 - 2017 was a big year for Heiltsuk's Zoe Hopkins. Her debut film Kayaking to Klemtu won the Air Canada Audience Choice Award at the 2017 imagineNATIVE Film + Media Arts Festival.

In the film, the primary character, Ella, is on a quest to prevent oil spills in her people's territory within the Great Bear Rainforest. But as the photography for this film project wrapped up a terrible and ironic twist took place in real life: the Nathan E. Stewart ran aground near Gale creek, contaminating the seas and traditional harvesting sites in Heiltsuk territory with over 100,000 liters of diesel and other pollutants. CCIRA / [Read more](#)

### CANADA: NATIONAL AERIAL SURVEILLANCE PROGRAM

The National Aerial Surveillance Program watches ships in Canadian waters to help prevent pollution.

Aerial surveillance is the best way to detect oil spills. Surveillance through this program reduces oil pollution at sea because ships are aware they're being watched. Evidence gathered by our aircraft is also used to issue fines and prosecute polluters under Canadian and international law. Transport Canada / [Read more](#)

### GREENLAND: BURNING OF FLOATING AND STRANDED OIL HAVE BEEN SUCCESSFULLY TESTED

March 6 - Burning of floating and stranded oil was successfully tested last summer in Greenland by Aarhus University, Greenland Oil Spill Response A/S, Lamor Corporation Ab and DESMI A/S. The experiments included two novelties: the coastal in-situ burning and the collection of burnt residues from water. The pilot scale experiments and other results of the GRACE project coordinated by the Finnish Environment Institute SYKE are presented in the international seminar on 7-8 March.

The experiments were conducted in an enclosed arctic water basin in Greenland in July 2017. Approval for the experiments was given by the Greenland authorities. SYKE / [Read more and watch video](#)

## **JAPAN: VISIT MADE BY DELEGATION FROM IOPC FUNDS**



April 9 - From 4 to 6 April 2018, the Director, Mr José Maura, travelled with the Legal Counsel, Mr Kensuke Kobayashi, to Japan for various meetings with government officials, contributors to the Funds and others.

In particular, the Director and the Legal Counsel took the opportunity to meet with the Director-General, Mr Atsumi Gamou, and other officers of the Maritime Bureau at the Ministry of Land, Infrastructure, Transport and Tourism (MLIT).

They also met with the Chairman of the Petroleum Industry Marine Association of Japan (PIMA), Mr Yuji Saita, and the Director-General of the Japan Ship Owners' Mutual Protection & Indemnity Association (Japan P&I Club), Mr Hiroshi Sugiura. <http://www.iopcfunds.org/>

## **JORDAN: CHEMICAL WEAPONS INCIDENT PLANNED AS PART OF US-JORDAN EXERCISE, DAYS AFTER SYRIA STRIKE**

April 17 - Thousands of U.S. troops participating in the Eager Lion exercise in Jordan will conduct chemical and biological drills, as part of a long-planned event that comes just after U.S. strikes destroyed suspected Syrian chemical weapons sites.

The 11-day drills, which began Sunday, will test the ability of troops to plan and conduct counterterrorism operations, border security, cyber defense and logistics support operations.

U.S. officials said the eighth annual iteration of the exercise is not directly related to U.S., British and French missile strikes, which targeted Syria in response to a suspected chemical attack on the Syrian city of Douma that killed dozens on April 7.

Stars and Stripes / [Read more](#)

## **NIGERIA: GOVERNMENT ACTIVATES NATIONAL OIL SPILL CONTINGENCY PLAN**

April 16 - The Federal Government and oil firm, Nigeria Agip Oil Company (NAOC) have concluded arrangement to carry out activation of National Oil Spill Contingency Plan (NOSCP) as agreed by the stakeholders.

Similar exercises took place in 2011 and 2013, and knowledge and expertise gained helped in no small measure in combating Bonga Oil Spill incident. NAOC will provide equipment for 2018 activation. The Guardian Nigeria / [Read more](#)

## **NIGERIA: OGOINI CLEAN-UP – GOVERNMENT BEGINS FREE MEDICAL OUTREACH FOR CITIZENS**

April 17 - In furtherance of its commitment towards the clean-up of Ogoniland oil spill, the Federal Government has commenced phase two of its free medical outreach programme.

Speaking at the event flag-off, Hydrocarbon Pollution Remediation Project (HYPREP) Project Coordinator, Dr. Marvin Dekil, stated that the success recorded during the first phase got attention of President Muhammadu Buhari, who then approved implementation of the second phase. He noted that the residents lack good medical care while others were too impoverished to attend to their medical needs. Vanguard / [Read more](#)

## **NIGERIA: STAKEHOLDERS DECRY SLOW PACE OF OGOINI CLEAN-UP**

April 18 - Some prominent sons of Ogoniland in Rivers State have expressed reservations over the ongoing clean-up of oil spill impacted sites in the area by the Hydrocarbon Pollution Remediation Project (HYPREP), saying, clean-up exercise is yet to meet the yearnings and expectations of the Ogoni people, following hiccups that have trailed it so far.

The Ogoni stakeholders, who bared their minds in separate interviews with newsmen during a free medical outreach organised by HYPREP in Taabaa Community in Khana Local Government Area recently said the clean-up exercise has been hampered by a number of factors. The Tide / [Read more](#)

## **NIGERIA: WHY NIGERIA LAGS BEHIND IN RESPONSE TO OIL SPILL – NOSDRA**

April 18 - National Oil Spill Detection and Response Agency, NOSDRA, has said that due to overwhelming challenges, Nigeria still has a long way to go to be able to proactively regulate oil spill response and keep the operating environment safe.

Director-General of NOSDRA, Peter Idabor, stated the reality Tuesday in Port Harcourt, Rivers State, where the agency and stakeholders ended the 2018 National Oil Spill Contingency Plan and Drills with support from Nigerian Agip Oil Company.

According to Idabor, NOSDRA, set up IN 2006, has not been able to catch up with its counterparts in other countries of the world in best practices because of inadequate funds, manpower, equipment and weak legal framework among others.

Business and Education / [Read more](#)



## **UK: OSPAR ATTENDS MONACO BLUE INITIATIVE MEETING IN EDINBURGH**

April 9 - OSPAR's Executive Secretary, Susana Salvador attended the 2018 edition of the Monaco Blue Initiative at the University of Edinburgh. The Initiative was founded by Prince Albert II of Monaco who opened the meeting.

OSPAR's Executive Secretary presented the work of OSPAR in promoting the sustainable use of the North-East Atlantic as well as its work protecting the marine environment from the adverse effects of human activities working towards OSPAR's vision of "a clean, healthy, North-East Atlantic used sustainably". OSPAR / [Read more](#)

## **UK: PREVENTION OF POLLUTION FROM NOXIOUS LIQUID SUBSTANCES IN BULK**

April 19 - Implementing the revised Annex II of MARPOL through proposed Merchant Shipping (Prevention of Pollution from Noxious Liquid Substances in Bulk) Regulations 2017 has been the subject of a consultation process that ran from 10am on 15 February 2017 to 11:45pm on 14 April 2017.

The major changes to MARPOL Annex II have been to the categorisation and classification of chemicals based on better scientific understanding and their interactions with the marine environment has led to update information regarding the transport of dangerous and noxious substances. These have then been transposed into the requirements of revised MARPOL Annex II to increase safety in shipping and to prevent pollution of the marine environment. UK Government / [Read more](#)

## **USA: LINE 5 OIL PIPELINES TEMPORARILY SHUT DOWN DUE TO POWER OUTAGE**

April 15 - The underwater oil and natural gas pipeline between Michigan's Upper and Lower peninsulas has been temporarily shut down because of a power outage at an Enbridge terminal in Wisconsin.

Enbridge, the Canadian company that owns and operates Line 5, said in a statement Sunday that the underwater pipelines will remain down until severe weather improves at the Straits of Mackinac. Line 5 will restart as soon as possible.

Gale-force winds of about 40 m.p.h. and a mix of snow and sleet hit northern Michigan on Sunday, causing waves of about five feet in the Straits, according to the National Weather Service. Detroit Free Press / [Read more](#)

## **ENBRIDGE EXPECTS TO RESTART LINE 5 SOON AFTER WEATHER-RELATED SHUTDOWN**



April 16 - With severe weather having impacted the Straits of Mackinac area since Friday, Enbridge Energy has suspended operation of its Line 5 pipeline until conditions improve.

The decision was made on Sunday, April 15, out of caution after a power outage occurred at the Enbridge terminal in Superior, Wisconsin. Line 5 carries petroleum between Wisconsin and southern Ontario, Canada, via Michigan, with an underwater segment crossing the Straits of Mackinac.

"Out of an abundance of caution, Enbridge will be electing to leave the line down until weather conditions improve at the Straits," according to a statement from Enbridge. "Enbridge takes the safety of the environment and our pipelines very seriously. We understand the sensitive environment in which Line 5 operates.

"We are continuing to monitor the conditions and provide updates to the State, Coast Guard and (Pipeline and Hazardous Materials Safety Administration). We will restart as soon as possible," according to a statement from Enbridge. PetosKey News / [Read more](#)

## **USA: HOMER RESIDENTS AND LOCAL OFFICIALS GET AN UP-CLOSE LOOK AT OIL SPILL RESPONSE**

April 16 - Every year, Alyeska Pipeline Service Company trains over 2,000 fishermen from Valdez to Kodiak how to respond to an oil spill in Prince William Sound and surrounding areas. Homer residents can see a mock response every spring just off shore in Kachemak Bay, but on Saturday, the Prince William Sound Regional Citizens' Advisory Council gave the public and local decision makers a chance to get a first-hand look. The demonstration is part of an effort to help Alaskans better understand what goes into planning for a potential oil spill. Advisory council volunteer Jim Herbert is giving Homer residents a play-by-play as local fishermen run through oil spill response drills in Kachemak Bay. KBBI / [Read more](#)

## USA: TRUMP'S NEW RULES MAKE IT EASIER FOR ENERGY COMPANIES TO ESCAPE PENALTIES FOR KILLING BIRDS



*Picture on left: Scientists in 2014 preparing Martha, an extinct passenger pigeon, once the most plentiful bird on the planet, who went extinct in September 1914 when it died in public at the Cincinnati Zoo. (AP Photo/Susan Walsh)*

April 16 - This year is the 100th anniversary of one of the oldest conservation laws in the country. The 1918 Migratory Bird Treaty Act — which originally was the result of a pact between the United States and the king of England (back when the British monarch represented Canada) — makes it illegal to “hunt,” “pursue,” “capture” or “kill” any migratory bird without a waiver.

This month, the Trump administration marked the law's centennial by announcing a broad reinterpretation that will make it more difficult to hold those who kill the animals accountable.

For decades, the law gave federal officials broad power to

prosecute those who kill migratory birds, even by accident. Washington Post / [Read more](#)

## USA: DIGITAL TWIN SERVICE MONITORS BLOWOUT PREVENTERS

April 17 - Diamond Offshore Drilling has launched the offshore drilling industry's first cybernetic blowout preventer (BOP) service for continuously assessing BOP status.

A BOP is a large mechanical device used to seal, control and monitor oil and gas wells to prevent the uncontrolled release of oil and gas from a well.

Acting as the virtual twin of a BOP system on a drilling vessel, Diamond's Sim-Stack system replicates the BOP hydraulically and electrically to assess its overall health and regulatory compliance. When component failures are identified, Sim-Stack provides critical feedback without human bias in a systematic method to make informed subsea stack decisions. It then provides a third party Statement of Fact to the operator, the U.S. Bureau of Safety and Environmental Enforcement and other regulatory bodies.

Sim-Stack also serves as a training tool for offshore personnel to learn and further develop subsea BOP expertise in a safe and dynamic environment, similar to simulated flight training in the aviation industry. The Maritime Executive / [Read more](#)

## USA: EIGHT YEARS AFTER DEEPWATER HORIZON OIL SPILL, CONSERVATION ALONG THE GULF OF MEXICO ADVANCES AT AN HISTORIC SCALE

April 18 - The National Fish and Wildlife Foundation (NFWF) today marks eight years of funding recovery efforts across the Gulf of Mexico following the 2010 Deepwater Horizon oil spill, including working with partners to take vital early actions to reduce harm to wildlife and five subsequent years of conservation work through the Foundation's Gulf Environmental Benefit Fund (GEBF).

NFWF launched the GEBF in 2013 in response to remedial orders contained in plea agreements between the U.S. Department of Justice and BP and Transocean. The plea agreements resolved certain criminal charges against both companies relating to the 2010 oil spill. Provisions within the agreements direct a total of \$2.54 billion to NFWF over a five-year period to be used to support natural resource projects in Alabama, Florida, Louisiana, Mississippi and Texas.

“The Gulf Environmental Benefit Fund has enabled NFWF and our conservation partners to move quickly following the disastrous 2010 oil spill, generating real-world outcomes at an historic scale,” said Edwin R. “Rod” Rodriguez, Jr., chairman of NFWF's board of directors. Globe Newswire / [Read more](#)

## SCIENCE & TECHNOLOGY

### AUSTRALIA: FLINDERS UNIVERSITY SCIENTISTS DEVELOP NEW ENVIRONMENTAL POLYMER WHICH QUICKLY AND EFFECTIVELY SOAKS UP CRUDE OIL

April 18 - In an exciting, sustainable answer to clean up oil spill destruction, scientists have developed a new polymer – itself made from by-products – which quickly and effectively soaks up crude oil.

In an environmental win-win, the polymer made from waste cooking oil and sulphur (a by-product of the petroleum industry) absorbs crude oil and diesel spills.

Better still, because this highly buoyant polymer acts like a sponge to suck spills from sea water, the polymer can be squeezed to recover the oil and then reused.

## SCIENCE & TECHNOLOGY (Continued)

Award-winning scientist Dr Justin Chalker, Senior Lecturer in Synthetic Chemistry at Flinders University in Adelaide, South Australia, is leading an international research team responsible for the discovery.

The research is published in the new paper, [Sustainable Polysulfides for Oil Spill Remediation: Repurposing Industrial Waste for Environmental Benefit](#), published in *Advanced Sustainable Systems* (Wiley) DOI: 10.1002/adsu.201800024 by Flinders and other researchers – Justin Chalker, Max Worthington, Cameron Shearer, Louisa Esdaile, Jonathan Campbell, Christopher Gibson, Stephanie Legg, Yanting Yin, Nicholas Lundquist, Jason Gascooke, Inês Albuquerque (Instituto de Medicina Molecular, Lisbon), Joseph Shapter (Flinders and University of Queensland), Gunther Andersson, David Lewis and Gonçalo Bernardes (Cambridge University and IMM, Portugal). Oil & Gas 360 / [Read more](#)

## TECHNICAL SUPPORT

### MOBILE APP TAKES THE HAZMAT GUESSWORK OUT OF RESPONDING TO TRAIN EMERGENCIES

April 11 - Charles Werner remembers back to 1978 when as a new Charlottesville, Va., firefighter he came upon an incident involving a train in the heart of the city.

This train had been leaking carbon disulfide while running on the outskirts of Charlottesville and the conductor thought he'd just guide it into town and park it close to where the fire station was. Unfortunately, as the train arrived in Charlottesville, the leaking carbon disulfide caught fire from sparks from the train's brakes.

Werner said it took 24 hours to get the leak and fire contained, and a good portion of that time was spent getting information on what exactly was leaking and what the hazards were. If that were to happen today, Werner and all other fire service personnel and other first responders could have access to the train's contents in minutes with the AskRail mobile app.

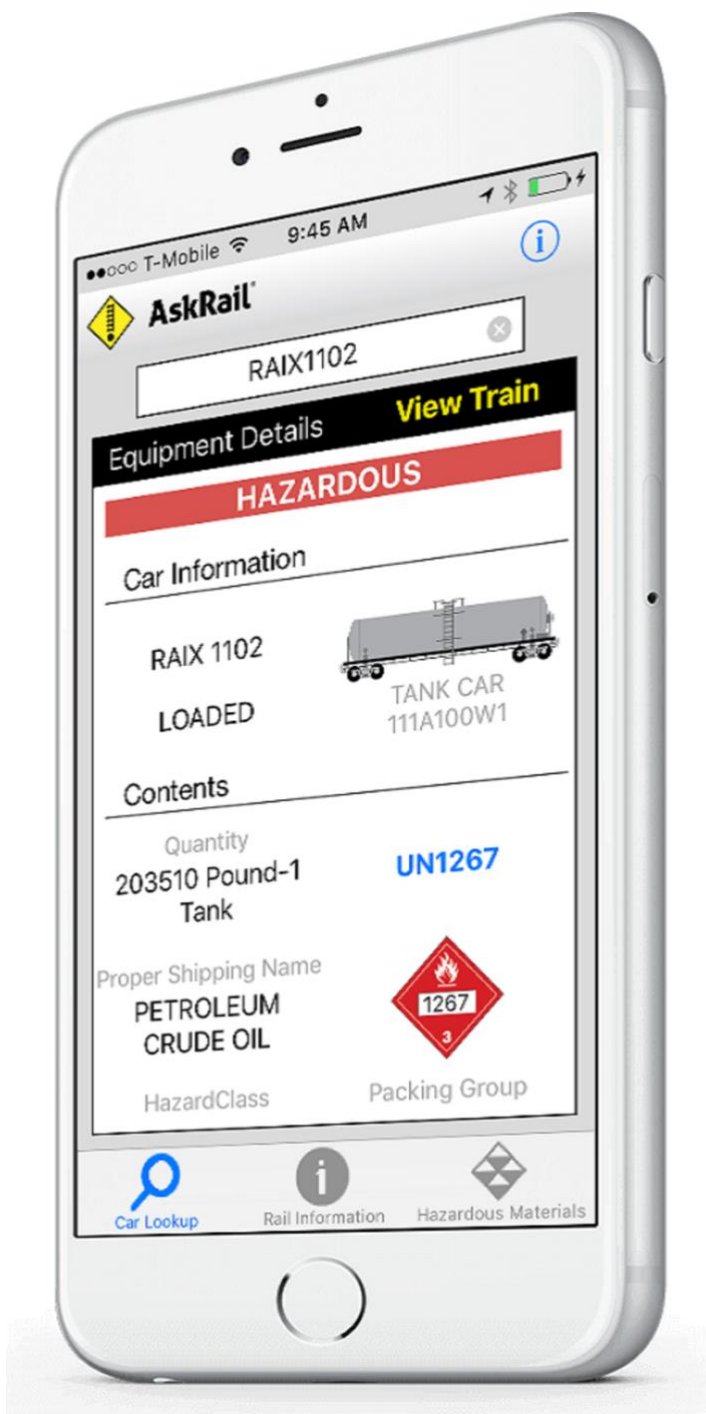
AskRail is being used by more than 21,000 first responders in 50 states and eight Canadian provinces, who through the app get access to information on any Class I railcar, which includes Amtrak. By punching in the number of a rail car, the first responder gets access to what chemicals might be in that car and in neighboring cars on that train.

Werner, now Charlottesville Fire Chief Emeritus and member of the Association of American Railroads Public Safety Rail Advisory Committee, said that if he could have had one wish on that day back in 1978, it would have been to have had real-time access to train information. "Advance to today to the convergence of technology that has the database of information and all the train car information by individual car or the entire consist of all the Class I railroads."

Werner said if he were to respond today to a similar incident, he'd immediately access the app, glean information about what's on the train car, have access to GIS mapping to develop an isolation zone to protect the public by understanding what types of structures — schools, businesses, etc. — are in the area, and consult the Hazardous Material Response Guidebook.

"So I have this full view of information that really helps me make better decisions right now," he said. "Having the exact information on what's on the cars and what's next to it. It's all based on facts and is available immediately rather than trying to find a telephone number and make a call to find out what's on a train."

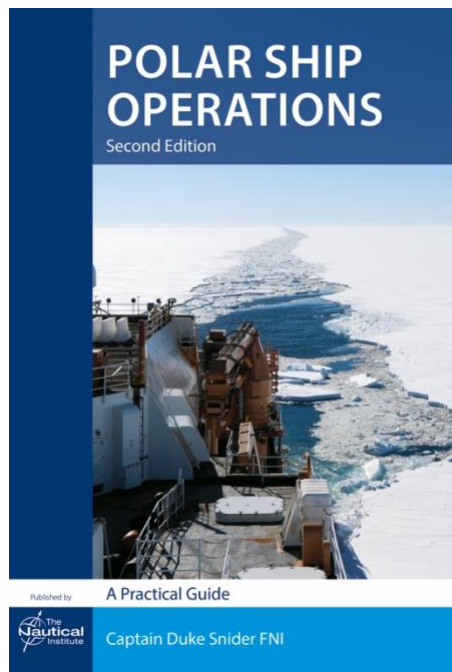
Emergency Management / [Read more](#)





## THE NAUTICAL INSTITUTE ISSUES NEW GUIDANCE FOR POLAR SHIPPING

April 19 - In the 2nd edition of this book, Captain Duke Snider FNI brings his extensive experience in polar shipping and ice navigation to describe the human, technical, environmental and operational challenges of transiting polar seas.



Interest in the polar regions is rising rapidly as the season for accessing these remote and hostile areas is lengthening. Recognising that this is a critical time for polar shipping, The Nautical Institute has published a new edition of its highly acclaimed Polar Ship Operations – A Practical Guide, by Captain Duke Snider FNI.

Sea ice loss is happening faster than expected, resulting in more variable conditions. As a result, even well-established ship operators are facing extra challenges, while for new operators these waters can present unexpected hazards in regions virtually devoid of support infrastructure. Operators also need to understand and comply with new regulations, notably the Polar Code, which came into force last year.

As a highly qualified ice navigator, Captain Snider FNI brings the full benefit of his extensive experience in polar shipping to describe the human, technical, environmental and operational challenges of transiting polar seas. Explaining the changes introduced for the Second Edition, he said:

Since the initial release of Polar Ship Operations in 2012, technology has continued to advance, the Polar Code has come into effect and The Nautical Institute has launched the Ice Navigator Certification Scheme. These changes have affected polar shipping both directly and indirectly. We have updated Polar Ship Operations to reflect these and other changes, updating material throughout the book as well as adding new chapters to remain relevant and ensure that mariners are kept abreast of continuing change.

Over the past 40 years, Captain Duke Snider has amassed a broad range of seagoing experience in naval, commercial and Canadian Coast Guard shipping, much of it in the ice-covered waters of the Arctic, Gulf of St Lawrence, the Baltic and the Antarctic.

To purchase your copy of Polar Ship Operations – A Practical Guide visit [www.nautinst.org/shop](http://www.nautinst.org/shop) price: £50; ISBN: 978 1 906915 56 8

During the month of April, Polar Ship Operations – A Practical Guide is The Nautical Institute’s Book of the Month and is available at a discounted price of £30.

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[NOWPAP Quarterly](#)  
[Ocean Orbit](#)  
[OCIMF Newsletter](#)  
[PEMSEA E-Updates](#)  
[Pollution Online Newsletter](#)  
[Safe Seas, Clean Seas](#)  
[Salvage World](#)  
[Sea Alarm Foundation Newsletter](#)  
[Spill Alert](#)  
[Technology Innovation News Survey](#)  
[Transport Canada Newsletter](#)  
[USA EPA Tech Direct](#)

News from the Australian Maritime Safety Authority  
 News from the Adriatic Training and Research Centre  
 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  
 European Oiled Wildlife Response Assistance Module  
 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  
 Often contains articles of interest to the spill response community  
 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  
 Healthy oceans, people and economies in the East Asian Seas  
 News for pollution prevention & control professionals  
 Quarterly Newsletter from Maritime New Zealand  
 Quarterly Newsletter of the International Salvage Union  
 Oiled wildlife Preparedness and Response news from Sea Alarm  
 Newsletter from the UK Spill Association  
 News from US EPA – Contaminated Site Decontamination  
 News and articles re transport of dangerous goods in Canada  
 Remediation of contaminated soil and groundwater

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 August 2017 issue  
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 June 2017 issue  
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Your editor depends on regular receipt of updated links for listed publications. If these are not received, relevant entries may be discontinued

## NEWS FROM ISCO CORPORATE MEMBERS

Elastec's 6th Oil Spill Workshop will be held in Carmi, Illinois and New Harmony, Indiana the week of October 1, 2018. This year's theme is again RIVER SPILL. The purpose of this workshop is for participants to experience equipment in on-water exercises and to learn inland response tactics from experienced industry experts. The workshops appeal to new and seasoned oil spill responders, emergency service organizations and first responder firefighters. <https://www.elastec.com/>

## UPCOMING EVENTS SUMMARY

COUNTRY	2018	TITLE OF EVENT	LOCATION
For more information click on Title of Event			
UAE	April 16-18	<a href="#">SPE Int'l Conference HSE &amp; SR</a>	Abu Dhabi
FINLAND	April 17-20	<a href="#">Arctic Shipping Forum</a>	Helsinki
UK	April 26-27	<a href="#">IMO &amp; IOPC Funds w'shop on the HNS Convention</a>	London
UK	Apr 30-May 2	<a href="#">April 2018 IOPC Funds meetings</a>	London
NEW ZEALAND	May 1-3	<a href="#">NZ 5th Contaminated Land Conference</a>	Christchurch
CHINA	May 3-5	<a href="#">Environmental Technology Conference &amp; Exhibition</a>	Shanghai
EQUATORIAL GUINEA	May 7-10	<a href="#">National workshop on contingency planning</a>	Malabo
USA	May 7-11	<a href="#">13th Int'l Effects of Oil on Wildlife Conference</a>	Baltimore, MD
UK	May 15	<a href="#">IMO 70 High Level Forum</a>	London
BELGIUM	May 16-17	<a href="#">European Environmental Ports Conference 2018</a>	Antwerp
USA	May 22-24	<a href="#">Inland Boom Shop 2018 (Hands-on Training)</a>	Carmi, IL
UK	May 23-24	<a href="#">HAZMAT 2018</a>	Stratford on Avon
NAMIBIA	May 29 – June 1	<a href="#">Sub-regional w'shop shoreline response to oil spills</a>	Namibia
USA	June 11-15	<a href="#">NOAA Science of Oil Spills (SOS) Classes</a>	Seattle WA
ITALY	June 20-22	<a href="#">INTERTANKO Annual Event 2018</a>	Rome
USA	June 19	<a href="#">Pacific States/British Columbia Oil Spill Task Force Annual Meeting</a>	Portland OR
USA	June 19-21	<a href="#">Clean Pacific Conference and Exhibition</a>	Portland, OR
UK	June 21	<a href="#">9th Premium Conference 2018</a>	London
USA	June 25-28	<a href="#">NOAA Science of Chemical Releases (SOCR) class</a>	Mobile AL
UK	June 25-28	<a href="#">Int'l Harbourmasters Assoc. Congress &amp; Exhibition</a>	London
INDIA	July 5-6	<a href="#">Oil Spill India 2018 Conference &amp; Exhibition</a>	New Delhi
SWEDEN	August 27-30	<a href="#">HELCOM BALEX DELTA 2018 spill recovery ex'cise</a>	Karlskrona Area
UK	Sept. 12-13	<a href="#">9th Maritime Salvage &amp; Casualty Response</a>	London
UK	Sept. 12-13	<a href="#">Flood Expo</a>	Birmingham
UK	Sept. 12-13	<a href="#">Spill Response Expo</a>	Birmingham
SINGAPORE	Sept. 25-26	<a href="#">Salvage &amp; Wreck Asia</a>	Singapore
CANADA	October 2-4	<a href="#">AMOP Tech. Seminar on Env. Contam'n and Response</a>	Victoria, BC
UAE	October 2-4	<a href="#">EI Middle East HSE Forum</a>	Dubai
AUSTRALIA	October 2-4	<a href="#">Ecoforum Conference &amp; Exhibition</a>	Sydney
UAE	October 9-10	<a href="#">RECSO EnviroSpill Conference &amp; Exhibition</a>	Abu Dhabi
UK	October 22-26	<a href="#">IMO Marine Environment Protection Committee</a>	London
TURKEY	Nov. 6-8	<a href="#">Regional Workshop &amp; Oil Spill Exercise</a>	Istanbul
USA	Nov. 13-15	<a href="#">Clean Gulf Conference and Exhibition</a>	New Orleans, LA
COUNTRY	2019	TITLE OF EVENT	LOCATION
Australia	May 20-24	<a href="#">SPILLCON 2019 Conference and Exhibition</a>	Perth
To request posting of an event of interest to the Spill Response Community please send details to the Editor			

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