

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

8TH GI WACAF REGIONAL CONFERENCE HELD IN CAPE TOWN

Co-operation for oil spill preparedness in west, central and southern Africa



November 8 - Major oil spills today are rare and oil tanker accidents have reduced. But coastal nations need to be prepared in case of emergency. In order to supplement national capacity, bi-lateral, multi-lateral and international cooperation and assistance in spill preparedness and response is crucial. This was highlighted during the eighth Regional Conference of the Global Initiative for West, Central and Southern Africa (GI WACAF), in Cape Town, South Africa (28-31 October).

The GI WACAF project is a collaboration between IMO and IPIECA to strengthen oil spill response capacity in west, central and southern Africa. It helps to support mutual cooperation and assist countries to develop capacity for oil spill response. The region covered includes important oil producing States, such as Angola and Nigeria, and is also vulnerable to significant volumes of maritime traffic.

The conference heard that during the past two years, some 16 national and sub-regional activities, have been implemented, covering many different aspects of oil spill preparedness and response. They included a transboundary oil spill response exercise involving Angola and Namibia in August 2019. Engagement and collaboration with other entities involved in oil spill preparedness has been a hallmark, to ensure a coordinated and consistent approach. Many delegates were keen to explore the possibility of undertaking further spill response exercises with neighbouring countries to try to better understand and address the challenges likely to arise during an actual incident.

Delegates also agreed on the need to push forward with the effective implementation into national legislation, in all countries in the region, of relevant IMO conventions relating to oil spill preparedness and response, such as the International Convention on

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INTERNATIONAL NEWS (CONTINUED)

oil pollution preparedness, response and cooperation (OPRC), as well as those relating to liability and compensation from pollution damage, including the treaty covering liability and compensation from pollution damage from fuel oil (Bunkers Convention).

The Conference was organized by IMO and IPIECA, the global oil and gas industry association for advancing environmental and social performance, in close collaboration with the Government of the Republic of South Africa, particularly the Department of Transport and its agency, the South African Maritime Safety Agency (SAMSA). It brought together key government and industry representatives from the 22 African partner countries of the GI WACAF project: Angola, Benin, Cameroon, Cabo Verde, Congo, Côte d'Ivoire, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Equatorial Guinea, Liberia, Mauritania, Namibia, Nigeria, Democratic Republic of the Congo, South Africa, Sao Tome and Principe, Senegal, Sierra Leone and Togo. IMO / [Read more](#)

HNS CONVENTION MIGHT COME INTO FORCE "IN NOT-TO-DISTANT FUTURE"

October 31 - UK Club has produced as part of its Knowledge Publications series an article on the International Convention on Liability and Compensation for Damage in Connection with the Carriage of Hazardous and Noxious Substances by Sea, 1996 (the HNS Convention), which it described as an important set of regulations, the final piece in a jigsaw puzzle which ensures access for victims of damage caused by HNS cargoes carried on board ships to a prompt and effective compensation regime. Writers Navin Dhillon and Jacqueline Tan said that it might be coming into force in the not too distant future.

UK Club noted that the transport of hazardous and noxious substances (HNS) by sea was a vital trade. However, despite the IMO regulations, incidents did happen and, when they did, victims needed to be adequately and efficiently compensated. There did not currently exist a comprehensive international regime to address claims from victims of such incidents. Insurance Marine News / [Read more](#)

OCTOBER 2019 MEETING OF THE IOPC FUNDS

November 1 - The governing bodies of the IOPC Funds held sessions from Monday 28 to Thursday 31 October 2019 at the headquarters of the International Maritime Organization (IMO) in London, UK. Sixty-seven States, representing 63 Member States of the 1992 Fund, 25 Member States of the Supplementary Fund and four observer States, as well as 15 observer organisations, attended sessions of the 1992 Fund Assembly, the 1992 Fund Executive Committee and the Supplementary Fund Assembly.

A brief summary of the key decisions taken at the sessions is available [here](#) and a full Record of Decisions of the meeting will be made available via the [Document Services section](#) very soon. <https://iopcfunds.org/news/october-2019-meeting-of-the-iopc-funds-governing-bodies-2/>

ITOPF APPOINTS NEW CHAIRMAN



Photo: Erik Hånell, President & CEO of Stena Bulk, ITOPF's new Chairman

November 6 - Paddy Rodgers stood down as ITOPF's Chairman at the end of its board meeting in Shanghai on 5th November, noting that he had thoroughly enjoyed his tenure on the board and had valued the opportunity to contribute to ITOPF's strategic direction and to the work of its highly regarded international team.

The board voted unanimously to appoint Erik Hånell, President & CEO of Stena Bulk, as its new Chairman. Erik has served on ITOPF's board for the last seven years and is also on the board of Skuld P&I Club. ITOPF's Managing Director, Karen Purnell, said that she, and the team, would miss Paddy's

energetic contributions to the work of the organisation. She welcomed Erik's appointment saying that he would bring a wealth of experience, particularly in areas that will be important as ITOPF further enhances its reputation as the global resource for preparedness and response to ship source pollution.

ITOPF has also announced that ITOPF has dropped the full version of its name (International Tanker Owners Pollution Federation Ltd) in 2018. It is now officially known as ITOPF Limited. <https://www.itopf.org/>

THE OCEAN CLEANUP UNVEILS RIVER VESSEL



November 6 - The Ocean Cleanup aims to tackle the 1,000 most polluting rivers, responsible for about 80 percent of ocean plastic pollution before the end of 2025, and the organization has unveiled the Interceptor to do so.

The Interceptor is claimed to be the first scalable solution to intercept river plastic pollution and can be deployed around the world. It is capable of extracting 50,000kg of trash per day – up to 100,000kg per day under optimized conditions.

The Interceptor is 100 percent solar-powered with onboard lithium-ion batteries that enable it to operate day and night without any noise or exhaust fumes. The system is anchored to the riverbed to utilize the natural flow of the river to catch the plastic and is designed for 24/7 autonomous operation. Its floating barrier, which is used to direct the garbage into the

system, only spans part of the river, so it will not interfere with other vessels and does not harm the safety, nor impede the movement of wildlife. An internet-connected onboard computer monitors the system's performance, energy usage and component health.

Four Interceptors have been built to-date; two systems are already operational in Jakarta (Indonesia) and Klang (Malaysia). A third system is in Vietnam to be installed in Can Tho in the Mekong Delta (Vietnam), while the fourth is destined to be deployed in Santo Domingo (Dominican Republic). In addition to these locations, Thailand has signed up to deploy an Interceptor near Bangkok, and further agreements are nearing completion including one in LA County in the U.S. The Maritime Executive / [Read more & watch video](#)

INTERNATIONAL DAY FOR PREVENTING ENVIRONMENTAL EXPLOITATION DURING ARMED CONFLICT

November 7 – The International Day for Preventing Environmental Exploitation during War and Armed Conflict was observed on November 6, 2019. The day aims to ensure that the environment is not destroyed during incidents of armed confrontations. *On 5 November 2001, the UN General Assembly declared 6 November of each year as the International Day for Preventing the Exploitation of the Environment in War and Armed Conflict (A/RES/56/4).*

Though humanity has always counted its war casualties in terms of dead and wounded soldiers and civilians, destroyed cities and livelihoods, the environment has often remained the unpublicized victim of war. Water wells have been polluted, crops torched, forests cut down, soils poisoned, and animals killed to gain military advantage. Jagran Josh / [Read more](#)



Source: un.org

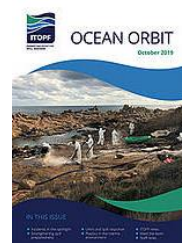
EUROPE: EMSA NEWSLETTER FOR NOVEMBER 2019

November 8 - In this issue: Just published: annual overview of marine casualties and incidents 2019; Training up German officers in the use of EMSA's maritime security reporting tool; Taking stock of past training activities and planning for future training using new technologies; Places of refuge for ships in need of assistance: guidance and preparation for every eventuality; Integrated Maritime Services, SafeSeaNet & Copernicus info session given in Germany; Interest in EMSA's Integrated Maritime Services continues unabated; EMSA hosts visit organised by Ciencia Viva as part of World Space Week 2019. [EMSA / Download the Newsletter](#)

ITOPF'S "OCEAN ORBIT" OCTOBER 2019 ISSUE PUBLISHED

The latest issue (October 2019) includes: -

- Incidents in the spotlight
- UAVs and spill response
- Meet the team
- Strengthening spill preparedness
- Plastics in the marine environment



ITOPF / [Link for downloading "Ocean Orbit"](#)

Your editor monitors a limited number of websites for news (in English language) of interest to the international spill response community but does not have the resources to visit multiple social media platforms. If you have news you would like to share with readers of the ISCO Newsletter in over 60 countries (probably including your own country), you should send it by email to the editor john.mcmurtrie@spillcontrol.org

CANADA: ONTARIO - HAZARDOUS WASTE AND ENVIRONMENTAL RESPONSE CONFERENCE



The HWERC conference provides a timely forum to discuss the management of hazardous waste and special materials, soils and site remediation, hazmat transportation, spill response and cutting-edge technologies and practices. Valuable information will be provided by leading experts, to individuals and organizations engaged in the wide range of services and activities involving hazardous waste materials.

OWMA / [More information](#)

NORWAY: FROM OIL SPILL RESPONSE TO CLEARING PLASTIC FROM OUR OCEANS



Photo: from left to right: Trond Helge Hansen, CEO of Oceanrim and project leader for NOSCA Clean Ocean; Christian Testman, Chairman of the Board of NOSCA and Managing Director of Ocean Visuals; Geir Christian Helgesen, Board member of NOSCA and Marketing Director of Framo and Eirik Langeland, New Cluster Manager of Clean Ocean, with Monica Mæland, Minister of Local Government and Modernisation

November 8 - On Friday 8 November 2019, “Clean Oceans” was awarded status as an Arena cluster in the “Norwegian Innovation Clusters” programme. The new cluster will make use of Norwegian technology from oil spill preparedness to clear and prevent plastic and other marine waste in the world’s oceans.

“The new status represents a major recognition of the cluster’s potential for development, now that we are ready to take oil spill prevention and response competencies and technology one step further. We faced tough national competition for the new status, and are extremely proud to now be an Arena cluster,” confirms the new Cluster Manager for Clean Oceans, Eirik Langeland.

The award ceremony took place on Friday morning in Oslo’s Gamle Museet (Old Museum), when Monica Mæland, Minister of Local Government and Modernisation, announced the new cluster projects from Innovation Norway.

The combination of Norwegian oil spill prevention and response technology and offshore specialised competencies shall be applied to help solve the vast challenges faced worldwide with plastic and other marine waste in our oceans and waterways. The ambition is to create a world-leading arena for technology developments and innovation solutions in this area.

Hellenic Shipping News / [Read more](#) Related article in [The Maritime Executive](#)

SOUTH AFRICA: MARINE POLLUTION INCIDENT MANAGEMENT PREPAREDNESS

Photo: Participants at the 2nd Joint Industry-Government Exercise in Port Elizabeth, 29-30 November 2018

November 5 - By adopting international best practice in incident management, South Africa is proactively preparing to manage marine pollution incidents effectively, ensuring that the appropriate resources and stakeholders are mobilised quickly – and important and timeous decisions made.



The South African Interim Incident Management Organisation (IMOrg), under the Department of Transport, plays a critical role in co-ordinating preparedness and response, utilising the internationally recognised Incident Management System (IMS) which was introduced in 2015. Interim IMOrg Chairperson Mr

Chueu Terrence Mabuella from the Department of Transport explains: “In identifying the potential impact of offshore oil and gas production, the critical issue of oil spills and their impact on the marine environment was raised.

Informed by the National Oil Spill Contingency Plan (NOSCP), all relevant national government departments and authorities, local and municipal responders, pollution prevention, containment and clean-up organisations, as well as vessel and offshore installation operators need to be aware of their responsibilities in the case of an incident. Regular Oil Spill Response Exercises – initiated and managed by the Interim IMOrg utilising the IMS – bring together accountable designated representatives from the South African Department of Transport (DOT), Department of Environment, Forestry & Fisheries (DEFF), South African Maritime Safety Authority (SAMSA), Department of Minerals and Energy (DME), Transnet National Ports Authority (TNPA), Petroleum Agency South Africa (PASA), PetroSA, Oil Spill Response Limited (OSRL), Offshore Petroleum Association of South Africa (OPASA), Strategic Fuel Fund (SFF), South African Police Service (SAPS), National, Provincial and Local Disaster Management Centres, various environmental Conservation Agencies, as well as Non-Profit organisations such as the Southern African Foundation for the Conservation of Coastal Birds (SANCCOB), Industry role players in emergency response, oil spill response and marine operators, amongst others.

Hellenic Shipping News / [Read more](#)

SOUTH SUDAN: GUIDE FOR CREDIBLE ENVIRONMENTAL AND SOCIAL AUDIT OF PETROLEUM COMPANIES’ OPERATIONS IN SOUTH SUDAN

October 22 – A Report from The Sudd Institute. This policy brief discusses how the recently proposed environmental and social audit of the petroleum companies’ operations by the Ministry of Petroleum can be conducted to generate scientific evidence that can assist in finding a permanent solution to pollution in South Sudan’s petroleum producing areas.

The environment is a human survival right that includes the rights to water, food, and health, as stipulated in the International Covenant on Economic, Social and Cultural Rights of 1966 (Hulme, 2017). South Sudan is facing a catastrophic pollution, a ticking time bomb, that started to accumulate during the Southern liberation war, when Khartoum used the oil at the expense of the local people and their environment to win the war. If this legacy pollution is not immediately addressed, it can destabilize the oil industry and threaten people’s survival rights.

The proposed audit is a step in the right direction. However, it should not be a mere traditional audit of environmental standards compliance and management system inefficiencies. Instead, it should be broad based in scope by examining not only environmental standards compliance and management system inefficiencies but by also examining the extent of environmental and social damage. In addition to using environmental auditing best practices from the International Organization of Supreme Audit Institutions, the proposed audit should also use ASTM international standards to assess the extent of contamination of the petroleum producing sites. Relief Web / [Read more](#)

USA: MICHIGAN - ENBRIDGE COULD DUCK CLEAN-UP COSTS FROM FUTURE LINE 5 SPILL, STUDY SAYS

November 4 - Enbridge Energy’s pledges to cover cleanup costs from a Line 5 oil spill may not be legally enforceable based on the corporation’s structure, according to a new analysis by American Risk Management Resources Network.

“In the event of a catastrophic oil spill, the people of the state of Michigan could be left holding the bag for more than a billion dollars in unfunded liability,” said a statement from Michigan Attorney General Dana Nessel.

The report, which was released Oct. 29, was commissioned by attorney general’s office as well as the state Department of Environment, Great Lakes and Energy, and the Department of Natural Resources. MLive / [Read more](#)

November 6 - Enbridge Disputes AG Nessel’s Claim Taxpayers Could Pay For Oil Spill Cleanup

Enbridge is disputing Michigan Attorney General Dana Nessel’s suggestion that state taxpayers “could be left holding the bag” for cleanup costs if the Canadian-based company’s twin Line 5 oil and gas pipelines were to rupture in the Straits of Mackinac.

“The bottom line is Enbridge will take full responsibility and pay for all costs related to an incident,” Enbridge spokesman Ryan Duffy told Bridge Magazine in an email late Monday, calling the prospects of a rupture on the controversial pipeline “unlikely.”

The vow came days after Nessel released a 120-page report raising questions about Enbridge’s financial obligations under a series of agreements its U.S.-based companies signed with then-Gov. Rick Snyder’s administration in 2018. MiTechNews / [Read more](#)

USA: NFPA 470: THE “NEW” OLD HAZMAT RESPONSE STANDARDS

November 8 – From Rick Edinger, Chairman of the NFPA Hazardous Materials/WMD Response Technical Committee - In April 2019 I published an article entitled “What Ever Happened to NFPA 472?” In that piece I examined the addition of two new National Fire Protection Association (NFPA) documents related to hazardous materials response, their relationship to each other and the existing hazmat standards, and the effects on the hazmat response community. The title of the article spoke to some confusion among hazmat responders about the need for several seemingly related standards and confirmed that the legacy hazmat standards, NFPA 472 and 473, would continued to be maintained.

During that same time period the NFPA Standards Council [approved a plan](#) to consolidate 114 current emergency response and response safety (ERRS) standards and related documents into 38 overarching emergency response standards. Based on document revision cycles for the affected standards, the NFPA ERRS standards consolidation plan will occur over several years with the end result being less documents for emergency responders to track, comply with and maintain.

As noted in the April 2019 article, the NFPA Hazardous Materials/WMD Response Technical Committee maintained four documents (NFPA 472, 473, 475, and 1072) and assists with the preparation of the NFPA Hazardous Materials Handbook. As these standards are all classified as emergency response documents, the committee's documents became part of the ERRS consolidation process.

The consolidation process for affected documents began in the spring of 2019. As a result of this effort, a "new" hazmat standards document was born: [NFPA 470: Hazardous Materials Standards for Responders](#). NFPA 470 was released in early October 2019 and contains all of the current content of NFPA 472, NFPA 473, and NFPA 1072 in one standard. The fourth document maintained by the committee, NFPA 475, is a recommended practice for the management of hazardous materials response programs. The committee has elected to maintain NFPA 475 separately and will do so within the same revision cycle as NFPA 470.

From this point forward the committee will maintain one standards document that contains the content of the original standards that existed prior to June 2019. Within this single document will be the content of NFPA 472: Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents which is an "organization-based" document and is written as a risk-based response text that identifies minimum core performance competencies for Awareness, Operations and Technician level hazardous materials responders. NFPA 472 language enhances the basic core hazmat competencies with mission-specific competencies that outline defined knowledge, skills, and abilities that a responder should have for a given hazard, container type, or needed tactical skill.

Also within the scope of the "new" NFPA 470, the committee will continue to maintain and develop new content for NFPA 473, Standard for Competencies for EMS Personnel Responding to Hazardous Materials/Weapons of Mass Destruction Incidents. And NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications which is classified as an individual-based document. NFPA 1072 is written as a Pro Qual standard outlining the minimum job performance requirements (JPRs) for Awareness, Operations and Technician level responders and includes Operations – Mission Specific and Hazmat Incident Commander criteria. Those organizations that have adopted NFPA 1072 as their certifying / accreditation standard should consult with their professional qualifications accrediting agency (ex. IFSAC or Pro Board) for guidance on how to adopt the new standard.

Importantly, due to the ERRS consolidation process, the period to provide public input for the next revision cycle for these documents was suspended for a brief period while the document consolidation editing was occurring and has now reopened under NFPA 470. However, the input period closes on November 15. Feedback and suggestions from the hazmat response community are vital to the committee's work. All public inputs are considered and will guide the [NFPA Hazardous Materials/WMD Response Technical Committee](#) for the next revision of NFPA 470 which is scheduled to be published in Fall 2021. It is important that people who seek to propose changes or additions to the content of NFPA 470, get those submissions in prior to November 15, 2019.

Regardless of the format or style of the NFPA hazardous materials response documents, the NFPA Hazardous Materials/WMD Response Technical Committee will continue to strive to produce the most up to date and exacting standards language to guide the training and responder competencies for safe and effective response to hazmat incidents. [Thanks to [Vance Benett](#) and Pete Jensen]

USA: LATEST ACTIVITY REPORTS FROM NOAA OR&R

November 8 – Please click on the links below to read the latest News Reports from NOAA OR&R

[2019 Accomplishments: The Year in Review](#)

For NOAA's Office of Response and Restoration (OR&R), Fiscal Year 2019 was a year filled with new challenges and new achievements. In FY19: we provided scientific support for 133 pollution-related incidents (including a historic World War II tanker); we provided disaster coordination during the 2019 hurricane season through the Disaster Preparedness Program; we helped to settle seven pollution cases, resulting in \$28 million for natural resource restoration; and we made major advances in data management.

[Marine Debris Program Director Speaks at French Embassy](#)

On November 5, Nancy Wallace, Director of the NOAA Marine Debris Program, spoke on a discussion panel at La Maison Française, the French Embassy in Washington, D.C.

[OR&R Participates in Clean Gulf Conference](#)

During the week of October 28-31, ten scientists from NOAA's Office of Response and Restoration attended the Clean Gulf conference in New Orleans, Louisiana.

[University of Delaware Grant Announcement Event with Senator Carper](#)

On November 4, Christy Kehoe, Mid-Atlantic Regional Coordinator for the Marine Debris Program (MDP), spoke at an event with Senator Carper (D-DE) to celebrate the University of Delaware's receipt of a MDP research grant.

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

[NESDIS, OR&R Collaborate on Training Prior to the Clean Gulf Scientific Conference](#)

In advance of the Clean Gulf Scientific Conference, the NOAA Satellite and Information Service (NESDIS) and OR&R collaborated to provide training on their products and services regarding marine oil pollution.

[Policy and Action on Plastic in the Arctic Ocean Workshop](#)

On October 30-31, NOAA Marine Debris Program staff attended the Policy and Action on Plastic in the Arctic Ocean Workshop, co-hosted by The Harvard Kennedy School, The Wilson Center Polar Institute & the Icelandic Chairmanship of the Arctic Council.

[SETAC North America 40th Annual Meeting](#)

The annual meeting of the Society of Environmental Toxicology and Chemistry (SETAC) emphasized “the need for environmental scientists and managers from all sectors (e.g., academia, business, government, non-profit, non-governmental and intergovernmental organizations) to work together at a global scale to address shared environmental challenges.”

[Marine Debris Program Keynote at Texas Plastic Pollution Symposium](#)

On October 29, Caitlin Wessel, the NOAA Marine Debris Program’s Gulf of Mexico Regional Coordinator, delivered a keynote address to almost 200 people at the Texas Plastic Pollution Symposium.

[NOAA Recovery Support Team Meets with Stakeholders in Puerto Rico and the U.S. Virgin Islands](#)

NOAA’s Recovery Support Team -- Donna Johnson, Acting Recovery Support Function Lead (Northeast Fisheries Science Center/National Marine Fisheries Service, on rotational assignment to NOAA’s Office for Coastal Management) and Autumn Lotze, Natural Resource and Community Recovery Specialist (OR&R Disaster Preparedness Program) -- recently met with stakeholders and key decision makers in Puerto Rico and the U.S. Virgin Islands to discuss ongoing recovery needs and priorities following Hurricanes Irma and Maria.

ISCO NEWS

ISCO AGM HAD TO BE POSTPONED

ISCO regrets to advise that the AGM scheduled to take place at 1815hrs on Monday 28th October at the Clean Gulf Conference had to be postponed due to unforeseen circumstances. New arrangements are being considered and a further announcement will be made as soon as possible.

NEWS FROM ISCO MEMBERS

News from ISCO Members – Your editor welcomes news from members. Please ensure that ISCO is on your mailing list for your press releases and company newsletters. Send your news to john.mcmurtrie@spillcontrol.org

No news for publication was received from members this week.

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SCIENCE & TECHNOLOGY

ECOLOGICAL RISKS OF PER AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Webinar organised by ALGA - 12 November 2019 12.00pm to 1.00pm (NZ time). Contact: Michal Grigor +61 490 082 260, Email: elearning@landandgroundwater.com FEES (incl. GST): ALGA Member \$22; ALGA Student Member \$11; Everyone else \$55

Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) have been widely used in numerous applications since the 1950s, including aqueous film forming foams (AFFFs) used for fire suppression at airports, firefighting training facilities, and other industrial locations. Many sites host ecological habitat, or, due to the offsite transport potential for PFAS, PFAS-impacted sites may affect nearby and downgradient areas. Ecological Risk Assessments (ERAs) are commonly needed at these sites to enable decision making related to investigation and remediation.

This presentation will provide an overview of PFAS ERAs, including a state-of-the-science overview of the fate, exposure, and toxicity of PFAS in ecosystems. Much of the presentation will focus on our recently-released guidance document on PFAS for the United States Department of Defense’s Strategic Environmental Research and Development Program (SERDP), available for download at: <https://www.serdp-estcp.org/Program-Areas/Environmental-Restoration/ER18-1614>. This guidance provides pragmatic approaches for addressing PFAS ecological risks at AFFF-impacted sites, but is also applicable to sites impacted by other PFAS sources. In addition, we will also provide practical examples from ERAs for PFAS conducted in the US and Australia, including advice on decision-making approaches involving Australian and New Zealand guidelines for fresh and marine water quality. [More info](#)

ADVANCED OIL-WATER SEPARATOR : NANOTECHNOLOGY BREAKTHROUGH WILL SAVE BILLIONS



The oil separator after absorbing oil



The separator being immersed in oil

November 3 - The Sri Lanka Institute of Nanotechnology (SLINTEC), a pioneer in nano and advanced technology and research has developed an advanced oil-water separator to remove hazardous liquid waste from water, a cleanup process that could save billions of dollars to the economy, a top official of the Institute told the Business Observer on Friday.

The product was developed after years of research. The materials used in this are made from textile waste from factories. Using nanotechnology, the surface of the fabric has been modified, giving it the unique characteristics as an efficient eco-friendly absorber. "The product has been completed at lab level and we are looking for partners mainly apparel manufacturers to commercialise it as a separate venture with mass manufacturing capability.

There are many garment and textile factories in the country and tons of unused garments and textile waste get accumulated every day. These are not currently used and only a small percentage of it is used in other factories as combustible materials. "The nano technology that has been used to make these materials is simple and easy. Therefore, expensive facilities or labour is not needed to produce this material in larger quantities," Jayaweera said, adding that manufacturing plants can be opened in Sri Lanka for bulk scale manufacturing. The nanotechnology and raw materials used to produce the absorbent coating on the yarn fibres of the textile are obtained from Ilmenite sand, taken from the Pulmodai coast. That means this new invention will add more value to Sri Lanka's mineral resources. Sunday Observer / [Read more](#)

MESSAGES FROM EVENT ORGANISERS

Clean Pacific 2020- Registration is officially open for the 8th Annual [CLEAN PACIFIC Conference & Exhibition](#), taking place June 9-11 in Seattle's Southport at the Hyatt Regency Lake Washington. If you [secure your registration](#) by December 13th, you will receive the lowest registration rate available for CLEAN PACIFIC (that's \$300 in total savings).

43rd AMOP Technical Seminar on Environmental Contamination and Response to be held from June 2 to 4, 2020 in Edmonton, Alberta, Canada. – Call for papers - The seminar is an international forum on preventing, assessing, containing and cleaning up spills of hazardous materials in every type of environment. It also deals with solutions for remediating and rehabilitating contaminated site. AMOP is organized and sponsored by Environment Canada. The deadline for abstract submissions - **Dec 31, 2019**. [More information](#)

UPCOMING EVENTS

COUNTRY	2019	TITLE OF EVENT	LOCATION
For more information click on Title of Event			
UK	Nov. 11-12	WWEM 2020 - Water, Wastewater and Environmental Monitoring	Telford
TUNISIA	Nov. 13-14	Incident Management System Training Workshop	Tunis
SWEDEN	Nov. 13-14	Swedish National Oil Spill Conference	Gothenburg

UPCOMING EVENTS (CONTINUED)

FRANCE	November 21	Cedre Technical Day	Brest
UK	Nov. 21-22	IMO Council Extraordinary Session	London
CANADA	Nov. 25-26	Hazardous Waste & Environmental Response Conference	Mississauga, Ontario
UK	Nov. 25 – Dec. 4	IMO Assembly	London
GERMANY	November 29	South Baltic Oil Spill Conference	Rostock
UK	December 4-5	Salvage & Wreck Removal Conference	London
UK	December 4-6	Global Marine Casualties Week	London
UK	December 5	Maritime Accidents & Emergencies Summit	London
UAE	Dec. 8-10	Middle East HSE and Sustainability Week	Dubai
COUNTRY	2020	TITLE OF EVENT	LOCATION
USA	March 24-25	SCAA Annual Meeting & Conference	Arlington, VA
USA	April 7-9	Clean Waterways Conference	Indianapolis, IN
USA	May 11-14	International Oil Spill Conference & Exhibition	New Orleans, LA
CANADA	June 2-4	43rd AMOP Technical Seminar on Environmental Contamination and Response.	Edmonton, Alberta
USA	June 2-4	Elastec's Spring 2020 River Workshop	Carni, IL
USA	June 9-11	Clean Pacific Conference & Exhibition	Seattle
COUNTRY	2021	TITLE OF EVENT	LOCATION
NETHERLANDS	March 22-26	Interspill Conference & Exhibition	Amsterdam
To request posting of an event of interest to the Spill Response Community please send details to the Editor			

PUBLICATIONS

CLASSIFICATION FOR INSTALLATIONS HANDLING FLAMMABLE FLUIDS

October 21 - The European Week for Safety and Health at Work 2019, was set up to raise awareness of the Healthy Workplaces Campaign. The area of focus is managing dangerous substances in the workplace, a topic which the EI has produced internationally renowned guidance on - Energy Institute Model Safe Code of Practice 15, Area Classification for Installations Handling Flammable Fluids.

This publication is recognised as the de-facto guidance for calculating hazardous zone areas in the petroleum industry and is essential reading for HSE managers, design, process and maintenance engineers, and all those involved in the hazardous area classification of installations handling flammable fluids. EI / [Read more](#)

GLOBAL INITIATIVE SOUTHEAST ASIA

October 2019 – Q3 2019 was exceptionally busy for GISEA. The national, sub-regional and regional activities delivered with the support of IMO through the [Integrated Technical Co-operation Programme \(ITCP\)](#) testify the commitment by the Project to support capacity building in oil spill preparedness across the ASEAN region. Read more in [GISEA's Quarterly Update](#)

LINKS FOR DOWNLOADING & READING OTHER PUBLICATIONS

Alga Chronicle	News from Australia on Contaminated Land Remediation	October 2019
AMSA Update	Latest news from the Australian Maritime Safety Authority	Current issue
ATRAC Newsletter	News from the Adriatic Training and Research Centre	June 2019
AUSMEPA Bulletin	News from the Australian Marine Environment Protection Assoc'n	Winter 2019
BIMCO Bulletin	Marine and shipping-related news from BIMCO	June 2019
Newsletter from George Holliday	News and commentary on HSE issues from George Holliday	On request email
Cedre Newsletter	News from Cedre in Brittany, France	September 2019
Clean Nigeria Associates Newsletter	News from CNA about Oil Spill Response in Nigeria	December 2018
EMSA Newsletter	News from the European Maritime Safety Agency	November 2019
GEF Newsletter	Monthly Newsletter from the Global Environment Facility	October 2019
GESAMP	Group of Experts on the Scientific Aspects of Marine Environmental Protection	Latest news
GISEA Quarterly Newsletter	News from Global Initiative for South-East Asia	Q3 2019
IMO News Magazine	News from the International Maritime Organization	Autumn 2019
IMO Publishing Newsletter	New and forthcoming IMO publications	November 2019
ITOPF Ocean Orbit	News from the International Tanker Owners Pollution Federation	October 2019
JOIFF "The Catalyst"	Int'l Organisation for Industrial Hazard Management	Q4 2019 issue
Maritime Executive Magazine	Often contains articles of interest to the spill response community	Jan.-Feb. 2019
MOIG Newsletter	News from the Mediterranean Oil Industry Group	April 2019 issue

LINKS FOR DOWNLOADING & READING OTHER PUBLICATIONS (CONTINUED)

Nautical Institute News	News from the Nautical Institute	March, 2019
Navigate Response	Global crisis communications network for shipping & marine	October 2019
NOAA OR&R	Weekly round-up of news from NOAA's Office of Response & Restoration	Latest issue
Oceanbuzz	Newsletter giving news on the Ocean Technology Industry	Current issue
OCIMF Newsletter	News from the Oil Companies International Marine Forum	September 2019
OHMSETT Gazette	Oil Spill Response Research & Renewable Energy Test Facility Quarterly	Summer 2019
OSPAR Newsletter	Protecting & Conserving the N.E. Atlantic and its resources	Spring 2019
PEMSEA Newsletter	Healthy oceans, people and economies in the East Asian Seas	September, 2019
Pollution Online Newsletter	News for pollution prevention & control professionals	April 3, 2019
Safe Seas, Clean Seas	Quarterly Newsletter from Maritime New Zealand	July 2018 issue
Salvage World	Quarterly Newsletter of the International Salvage Union	Current issue
Sea Alarm Foundation Newsletter	Oiled wildlife Preparedness and Response news from Sea Alarm	Current issue
Technology Innovation News Survey	News from US EPA – Contaminated Site Decontamination	Sept. 16-30, 2019
USA EPA Tech Direct	Remediation of contaminated soil and groundwater	November 1, 2019
WestMOPoCo	Western Mediterranean Region Marine Oil & HNS Pollution Cooperation	August 2019

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

INCIDENT REPORTS (IN CHRONOLOGICAL ORDER)

BRAZIL: FURTHER DEVELOPMENTS



November 1 - Brazil oil spill: Where has it come from? Brazil has been quick to state that it does not necessarily blame its neighbour for the spill. One theory is that there was an accident at sea and the ship, possibly with its signals switched off, failed to report it. Venezuela says it has not received any reports of an oil spill from its clients or subsidiaries. There has also been speculation that the leak came from cargo on a sunken shipwreck. A third possibility is that the leak came from a ship-to-ship transfer that went wrong. BBC News / [Read more](#)

November 3 - Oil Spill in Brazil Hits Breeding Grounds for Humpback Whales. The mysterious oil spill that hit Brazil's coastline two months ago has reached the archipelago of Abrolhos, a national marine park that's home to the greatest biodiversity in the southern Atlantic Ocean -- the waters where humpback whales migrate to breed. Yahoo News / [Read more](#)

November 4 - Less oil hitting Brazil beaches, officials say, with damages in the billions. Brazil's government said on Monday that the flow of mysterious crude oil hitting the country's northeastern beaches has slowed, adding that the cost of the disaster could reach into the billions of reais. Nasdaq / [Read more](#)

November 4 - Mysterious oil spill threatens marine biodiversity haven in Brazil. Marine scientists in Brazil are closely monitoring the incursion of a mysterious oil spill into the largest biodiversity hot spot in the South Atlantic Ocean. The region, known as the Abrolhos Bank, shelters almost 9000 square kilometers of reefs in shallow, warm waters along the central part of the Brazilian coastline. ScienceMagNews/ [Read more](#)

November 4 - ITOPF Addresses Brazil Oil Pollution - The International Tanker Owners Pollution Federation (ITOPF) is currently on-

site in north-east Brazil attending the recent oil spill that has contaminated approximately 2,500 km of coastline in nine states.

Marine Link / [Read more](#)

November 6 - Brazil Focuses Search for Origin of Mystery Oil Spill - Three people directly involved in the case said Greece's coast guard sent a summons letter late Tuesday to Minerva Marine Inc., Maran Tankers Management Inc., Delta Tankers Ltd. and Euronav NV, a Belgian shipowner that bases its tanker operations in Athens. The Wall Street Journal / [Read more](#)

November 7 - Oil spill threatens vast areas of mangroves and coral reefs in Brazil - Mangroves and coral reefs are particularly vulnerable to damage, scientists said, and removing oil from them is a delicate, specialised and lengthy process. Detergents used to clean oil can damage coral reefs, and mangrove roots need to be cleaned manually. The Guardian / [Read more](#)

November 8 - Brazil probing multiple tankers over oil spill: Update - Greece-based Delta Tankers said Brazil is investigating four tankers other than its Suezmax Bouboulina for causing a catastrophic oil spill off Brazil's northeastern coast. Argus / [Read more](#)

GERMANY: OIL SPILL IN BREMEN

November 5 - General cargo ship ACTIVE leaked fuel at night Nov 4 at Lindenhof, Bremen, says local media. The ship arrived at Bremen on Nov 1. Fire brigade was called in, the ship was fenced off with booms. No information on leak cause or how much fuel was spilled, it was said only, that the leak is "big", covering some 80x300 meters area in port basin. Maritime Bulletin / [Read more](#) [Thanks to Mikhail Voytenko, vmd@odin.tc]

ATLANTIC OCEAN: CONTAINERS LOST IN SOUTH ATLANTIC

November 7 - 23 containers adrift in South Atlantic, in vicinity 22 12S 00945W on Nov 5, probably lost by container ship CSAV TRANCURA, en route from Dominican Republic to Singapore. Maritime Bulletin / [Read more](#) [Thanks to Mikhail Voytenko, vmd@odin.tc]

USA: HAWAII - CLEANUP UNDERWAY AFTER BUNKER SPILL IN HONOLULU

November 7 - A cleanup is underway after heavy fuel oil spilled during bunker operations between the container ship Kamokuiki and a bunker barge on Wednesday evening in Honolulu. The crew of the container ship vessel, berthed at Pier 19, secured the discharge, activated their Vessel Response Plan and began clean-up operations. Pacific Environmental Corporation and Marine Spill Response Corporation representatives deployed 25 bales of absorbent material stretching from the stern of the vessel to Pier 22. Two response vessels arrived on scene and deployed 1,600 feet of hard boom surrounding the 25 bales of absorbent material and spilled oil.

The Maritime Executive / [Read more](#) Related report in [gCaptain](#)

AUSTRALIA: VICTORIA - BLACK OIL SPILL IN MELBOURNE'S WEST SEEPS INTO MARINE SANCTUARY

November 8 - A black oil spill contaminating waterways in Melbourne's west has seeped into a protected marine sanctuary in Port Phillip Bay that is home to coral, sharks, rays and octopus. The Sydney Morning Herald / [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

USA: OKLAHOMA - CRUDE OIL AND PRODUCED WATER LEAK INTO LAKE TEXOMA

November 10 - Godfrey Oil Properties reported that 4,200 gallons of crude oil and 1,680 gallons of produced water leaked into Lake Texoma on Nov. 7. Both substances leaked off the site and into Elm Creek, which is about a half mile from Lake Texoma. Godfrey hired Dillon Environmental to clean up the spill. MBCDFW5 / [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

INCIDENT REPORTS: ROAD TANKER ROLLOVERS

Note from editor – In his newsletter "Newsy Stuff" Don Johnston reported on no less than 40 road tanker incidents this week. "Newsy Stuff" is a free publication but you do need to be a member of the DG and Hazmat Group. To Join the Group send an email to hazmat+subscribe@groups.io

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