

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

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**INTERNATIONAL
MARITIME
ORGANIZATION**

MEPC 76 PREVIEW - 10-17 JUNE 2021

The meeting will be opened by IMO Secretary-General Kitack Lim and will be chaired by Mr. Hideaki Saito (Japan). The Vice-Chair is Mr. Harry Conway (Liberia). MEPC 76 will be held remotely, from 10-17 June 2021.

The complete text of the IMO preview can be accessed [HERE](#) – In this issue of the ISCO newsletter we highlight some agenda items likely to be of particular interest to the spill response community.

Draft amendments to MARPOL - prohibiting HFO in the Arctic - The MEPC will consider with a view to adoption, draft amendments to MARPOL Annex I (addition of a new regulation 43A) to introduce a prohibition on the use and carriage for use as fuel of heavy fuel oil (HFO) by ships in Arctic waters on and after 1 July 2024.

The prohibition would cover the use and carriage for use as fuel of oils having a density at 15°C higher than 900 kg/m³ or a kinematic viscosity at 50°C higher than 180 mm²/s. Ships engaged in securing the safety of ships, or in search and rescue operations, and ships dedicated to oil spill preparedness and response would be exempted. Ships which meet certain construction standards with regard to oil fuel tank protection would need to comply on and after 1 July 2029.

Work of the Sub-Committee on Pollution Prevention and Response (PPR) - Two draft MEPC circulars relating to marine plastic litter (prepared by PPR 7), specifically on Provision of adequate facilities at ports and terminals for the reception of plastic waste from ships, and on sharing of results from research on marine litter and encouraging studies to better understand microplastics from ships; the decisions of PPR 8 in respect of evaluation of chemicals in bulk (i.e. carriage requirements for chemicals to be listed

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emission of continuous underwater noise, release of oil and other contaminants in the marine waters, introduction of invasive species through ballast water and hull fouling.

To address the impacts of maritime activities on the marine environment, the Fourteenth Meeting of the Focal Points of the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC) (31 May - 2 June), examined a set of strategic documents and endorsed: the Mediterranean strategy for the prevention, preparedness, and response to marine pollution from ships (2022-2031), the Ballast Water Management Strategy for the Mediterranean Sea (2022-2027), as well as the draft joint and coordinated proposal on the possible designation of the Mediterranean Sea, as a whole, as an Emission Control Area for Sulphur Oxides (Med SOX ECA) pursuant to MARPOL Annex VI to the IMO.

The latter will be considered by the next Meeting of the UNEP/MAP Focal Points (Athens, Greece, mid-September 2021) for approval, and by the Twenty-Second Ordinary Meeting of the Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean (Barcelona Convention) and its Protocols (COP 22, Antalya, Turkey, 7-10 December 2021) for their adoption.

The meeting also agreed upon a range of technical issues notably: the use of the Common Emergency Communication and Information System for Marine Pollution (CECIS MP), as a Common Emergency Communication System for the request of assistance in the Mediterranean region by all Contracting Parties, the related interconnection between the equipment database of the CECIS MP and the Mediterranean Integrated Geographical Information System on Marine Pollution Risk Assessment and Response (MEDGIS-MAR), the Marine HNS response manual - Bonn Agreement, HELCOM, REMPEC, and the Guidance Document for the identification and designation of Particularly Sensitive Sea Areas in relation to Specially Protected Areas of Mediterranean Importance.

INTERNATIONAL NEWS (CONTINUED)

in the annual MEPC.2 circular on Provisional categorization of liquid substances in accordance with MARPOL Annex II and the IBC Code)

MORE INTERNATIONAL NEWS IN BRIEF

IOPC FUNDS: 25 YEARS OF THE 1992 FUND

June 1 - Twenty-five years ago this week, the 1992 Protocols to the 1969 Civil Liability Convention and 1971 Fund Convention entered into force, establishing the 1992 Fund and creating a new international liability and compensation regime which offered far higher limits and greater protection against the economic and environmental consequences of major oil spills than its predecessor. IOPC Funds / [Read more](#)

UNEP CHIEF'S MESSAGE FOR WORLD ENVIRONMENT DAY 2021

June 2 – A message from the Under-Secretary-General of the United Nations and Executive Director of the UN Environment Programme, Inger Andersen, for [World Environment Day 2021](#). "In reviving millions of hectares of terrestrial and aquatic ecosystems, we will profoundly improve human well-being and accelerate progress towards the sustainable development goals. I am so pleased that Pakistan, as the global host of World Environment Day this year, will lead the global charge to restore ecosystems on which we all depend." UNEP / [Read more and watch the video](#)



MEETING OF THE FOCAL POINTS OF THE REGIONAL MARINE POLLUTION EMERGENCY RESPONSE CENTRE FOR THE MEDITERRANEAN SEA (REMPEC)

June 3 - A successful Inter-governmental Meeting boosting the prevention of and response to marine pollution from ships in the Mediterranean.

Maritime activities are essential to transport goods and passenger through the Mediterranean and represents important drivers of marine pollution in the basin. According to REMPEC (2021) Study on Trends and Outlook on Marine Pollution, Maritime Traffic and Offshore, a little more than 24% of the global fleet of ships called ports or passed through the Mediterranean in 2019, while projections indicate that the future number of port calls could decrease (by -11.2% in 2050), while the number of transits could increase (+38.2% in 2050), confirming the role of the Mediterranean within the global maritime trade. Maritime activities generate a variety of pressures on the marine environment, i.e., loss or discharge of solid wastes contributing to marine litter pollution, emissions of gaseous pollutants and particles in the atmosphere,

MORE INTERNATIONAL NEWS IN BRIEF

Those are the results of a collaborative and consultative approach with all 22 Contracting Parties to the Barcelona Convention, through the established network of national focal points responsible for policies related to marine pollution from maritime activities and measures for combating it, and with REMPEC Partners. REMPEC / [Read more](#)

NORWAY AND RUSSIA EXERCISING TOGETHER IN THE BARENTS SEA



Photo: Barents Exercise 2021: Norwegian participants include resources from the Coast Radio, the Coast Guard, the 330 and 333 squadrons, Avinor (National Aviation Authority), the Joint Operation Headquarters, and the Air Traffic Services. (Photo: Torbjørn Kjosvold / Norwegian Armed Forces)

June 2 - Norwegian and Russian preparedness resources are exercising together in the Barents Sea, practicing rescue at sea and oil pollution. "Cooperation between Russia and Norway regarding preparedness resources in oil protection as well as search and rescue (SAR) in the Barents region is solid, also across offices domestically as well as cross-border. There has been successful cooperation and interaction for more than 20 years, which has become more or less a tradition, and there is ongoing development", says Air Force Spokesperson Major Stian Roen to High North News. High North News / [Read more](#)

3,000 SHIPPING CONTAINERS FELL INTO THE PACIFIC OCEAN LAST WINTER

June 2 - You're right if you think you've been hearing a lot about container ships lately. One off the coast of Sri Lanka that was carrying 25 tons of nitric acid and other cargo suffered an explosion after containers caught fire on May 20 and burned for more than a week, littering the beaches with plastic pollution. And in March all eyes were on the Suez Canal, where a 1,300-foot-long container ship turned sideways and gummed up international trade with a six-day-long traffic jam. Maybe you've also had your shoes, bike or other online purchases delayed because of backed-up ports near Los Angeles.

But less attention surrounded a spate of container-ship accidents in the Pacific Ocean this past winter. It included one of the worst shipping accidents on record, which occurred near midnight on Nov. 30 as towering waves buffeted the ONE Apus, a 1,200-foot cargo ship delivering thousands of containers full of goods from China to Los Angeles. In remote waters 1,600 miles northwest of Hawai'i, the container stack lashed to the ship's deck collapsed, tossing more than 1,800 containers into the sea. The Revelator / [Read more](#)

ITOPF ATTENDS CONTAINERSHIP INCIDENT IN SRI LANKA

June 3 - ITOPF has been mobilised to Sri Lanka to provide technical advice on the loss of chemicals, plastics and other cargo from the containership X-PRESS PEARL.

X-PRESS PEARL caught fire on Thursday 20th May whilst at Colombo anchorage, Sri Lanka, approximately 10km offshore. The vessel had travelled from the port of Hazira, India and was carrying 1,486 containers, including dangerous goods (nitric acid, methanol, sodium hydroxide and other chemicals) and nurdles (small plastic pellets). It is understood that approximately 320 m2 of low sulphur heavy fuel oil was also on board as bunkers.

Despite the best efforts of salvors supported by the Sri Lankan Navy and Indian Coastguard, attempts to control the fire were unsuccessful. All crew members were evacuated from the vessel.

As the fire took hold and spread, the container stacks collapsed and multiple containers, as well as burning liquids and debris, were reported falling overboard. Within hours, burnt debris - ranging in size from less than 5mm to over 2m - was reported stranding along the coastline under the influence of strong and consistent westerly monsoon winds. Four containers have reportedly been washed ashore, and many more are expected to have sunk. Vast quantities of nurdles have also been observed arriving on the shoreline. ITOPF / [Read more](#)

X-PRESS PEARL BLAZE SHINES SPOTLIGHT ON BOXSHIP FIRES

June 3 – An article by David Osler of Lloyds List - Insurers say increased incidence of blazes on container vessels could be a function of increasing size, and that regulations are neither tough enough nor specific enough.

'With a given probability of a fire starting in one container, the probability of a fire starting in at least one of the containers will grow in almost direct proportion to the number of containers,' says Cefor report. Several marine insurance professionals confirmed that misdeclaration of cargo and/or failures of packaging will be among the lines of investigation.

MORE INTERNATIONAL NEWS IN BRIEF

Fires on boxships continue to cause concern among marine insurers, with X-Press Pearl the latest in a long line of such casualties in recent years.

Such blazes are one factor in the record level of claims on the International Group pool, which came in just shy of half a billion dollars last years, with proportionally deleterious impact on P&I club bottom lines.

The cause of the fire on X-Press Pearl has still to be determined. Several marine insurance professionals, who declined to be named, confirmed that misdeclaration of cargo and/or failures of packaging will be among the lines of investigation. Lloyds List / [Read more](#)

UN: RISK OF MASSIVE OIL SPILL IN RED SEA GROWS DAILY

June 3 - The U.N. environment chief warned Thursday that the risk of a massive oil spill in the Red Sea is growing daily, as Yemeni rebels prevent international experts from accessing an old, neglected tanker carrying more than 1 million barrels of crude oil.

"In the event of a fire or an explosion, around 4.8 million people in Yemen and 350,000 in the Kingdom of Saudi Arabia could be exposed to harmful levels of pollution within 24 to 36 hours," Inger Andersen, U.N. Environment Program executive director, told a meeting of the U.N. Security Council about the tanker.

"We still do not know the exact condition of the vessel, nor what the best solution would be to deal with the 1.1 million barrels of oil in an aging tanker located in an environmentally sensitive area of the Red Sea," she added.

U.N. officials have been seeking access to the vessel, the FSO Safer, for more than two years to assess its safety, do light repairs and eventually tow it to a safe port to remove the oil. But Houthi rebels controlling the area have repeatedly reneged on promises to allow that to happen. VOA News / [Read more](#)

NEWS REPORTS FROM AROUND THE WORLD

No news from your part of the world? You can correct this by sending in news reports that will be of interest to the spill response community in your own country and the wider world. Send your news to your editor - john.mcmurtrie@spillcontrol.org

CANADA: ONTARIO GOVERNMENT ASKS PUBLIC TO REPORT POLLUTION ONLINE THROUGH WEBSITE

May 31 - The Ontario government is asking the public to report suspected pollution online in an effort to bolster enforcement, but critics say the move is a token gesture by a regime that has done little to help the environment.

The new website, announced Wednesday, allows users to upload photos, videos and audio clips to help staff assess the situation.

Users can report any incidents of pollution they come across, including oil or chemical spills, industrial or commercial noise pollution, or improper disposal of commercial waste, the province said. They also have the option to create a secure login to receive updates on how the report is being handled.

The new online tool was one of the initiatives promised in the governing Progressive Conservatives' environmental plan announced in 2018. News National / [Read more](#)

CANADA: 'WE'RE NOT GOING TO SEE TANKERS IN ACTIVE PASS EVER AGAIN'



Photo: The passage of the Liberian tanker MV Kassos through Active Pass on April 23 sparked a public alarm and led to a ban. Photo by Lorelei Keys.

June 2 - Advocates celebrate after officials publicly ban tankers carrying dangerous cargo in the narrow passage. Tankers of all sizes have been banned from travelling through Active Pass, a narrow stretch of water between Mayne and Galiano islands, following a public outcry and Tyee reporting.

The Pacific Pilotage Authority, a federal Crown corporation, issued the ban following a Tyee report that highlighted the lack of regulation on tankers transiting the narrow, busy waterway.

The interim ban covers ships carrying bulk oil, pollutants and hazardous cargo, and it stands until a risk assessment is completed for commercial vessels in Active Pass. Marine oil spill expert Gerald Graham, who raised the alarm when a tanker travelled through Active Passage in April, said he was surprised but pleased that the authority issued the public document. Graham said a public document would be stronger so people can read it and hold a ship's captain and owner accountable if they try to transit the pass. The Tyee / [Read more](#) [Thanks to ISCO Member, Gerald Graham]

CHINA IS SETTING UP ITS FIRST MARINE NATIONAL PARKS

Photo: Changdao fishing vessels (Keso S / CC BY-NC-ND 2.0)

May 30 - The Changdao archipelago marks the threshold between the Bohai and Yellow seas. It is already home to nine national protected areas, including marine parks, geoparks and reserves for birds and marine mammals.

Late last year, Shandong announced its intention to create a marine national park at Changdao. If successful, it would be one of the country's first such parks.

China started piloting a national parks system in 2015, to improve its management of nature reserves. "National parks are protected areas with complete ecosystems, unique scenery, rich biodiversity, large areas and tough protections," according to Chen Shang, a member of the committee establishing technical standards for national parks and nature reserves. The Maritime Executive / [Read more](#)



KENYA: IN BEACH TOWN'S BATTLE AGAINST PLASTIC, ECHOES OF A GLOBAL CRISIS

May 19 - A stroll along the beaches of Watamu, Kenya used to mean navigating a sea of garbage, including piles of plastic water bottles. The trash marred what was otherwise an idyllic setting on the Indian Ocean – and it was toxic for the small town's tourism industry.

But today, Watamu's beaches are dramatically cleaner thanks to a novel recycling programme headed by the Watamu Marine Association, a grassroots organization.

With financial support from the hotels clustered along Watamu's shore, the association pays community members to collect rubbish from the beach. The trash is taken to a local recycling centre where it's sorted and, in the case of plastic, chopped up into small flakes, before being sold to local manufacturers. UNEP / [Read more](#)

PAKISTAN RESTORES MANGROVES FOR ECONOMY AND ECOSYSTEM BENEFITS



Photo: Late Tahir Qureshi's son, Dr. Fakhir, planting a mangrove sapling along with Mahmood Akhtar Cheema, Country Representative IUCN Pakistan at ShahBunder. Photo: IUCN

May 14 - Tahir Qureshi had many nicknames. Father of the Mangroves. Mangrove Man. The mangrove hero of Pakistan. All reflect a life dedicated to the conservation and restoration of Pakistan's mangroves.

As Pakistan prepares to host World Environment Day on June 5, ecosystem restoration, which includes critical ecosystems like mangrove forests, will be the focus. Mr Qureshi, who sadly passed away in December 2020, played a key role in the development of mangrove restoration in Pakistan and will be fondly remembered at the event. UNEP / [Read more](#)

USA: BIDEN SUSPENDS DRILLING LEASES IN ARCTIC NATIONAL WILDLIFE REFUGE

June 1 - The Biden administration on Tuesday suspended oil drilling leases in the Arctic National Wildlife Refuge, unspooling a signature achievement of the Trump presidency and delivering on a promise by President Biden to protect the fragile Alaskan tundra from fossil fuel extraction.

The decision sets up a process that could halt drilling in one of the largest tracts of untouched wilderness in the United States, home to migrating waterfowl, caribou and polar bears. But it also lies over as much as 11 billion barrels of oil and Democrats and Republicans have fought over whether to allow drilling there for more than four decades.

A formal order from Interior Secretary Deb Haaland paused the leases until her agency has completed an environmental analysis of their impact and a legal review of the Trump administration's decision to grant them. New York Times / [Read more](#)

USA: MARYLAND - EPA TO PRIORITIZE POLLUTION CLEANUP ON BEAR CREEK NEAR SPARROWS POINT INDUSTRIAL SITE

June 1 - There's promising news for Bear Creek on the Patapsco River. The area near the former Sparrows Point steel mill is rife with contaminated sediments linked to Bethlehem Steel's Tin Mill Canal, where wastewater and stormwater from iron and steelmaking operations were conveyed dating back to 1950.

The sediment includes contaminated like PCBs, arsenic, cadmium, chromium, copper, nickel zinc, and polycyclic aromatic hydrocarbons (PAHs). Bear Creek includes residential areas, and people who use its waters of Bear Creek for recreation and fishing or crabbing for their dinner could be putting their health at risk. The U.S. Environmental Protection Agency (EPA) sent a letter to Maryland leaders recommending Bear Creek be added to the Superfund National Priorities List (NPL) for pollution cleanup.

Chesapeake Bay Magazine / [Read more](#)

USA: WASHINGTON DEPARTMENT OF ECOLOGY RELEASES DRAFT GREEN REMEDIATION GUIDANCE

June 4 - At the end of May, the Washington Department of Ecology (Ecology) issued draft Green Remediation guidance for public review and comment. The comment period ends June 25, 2021.

Ecology's purpose in developing the guidance is to "increase the environmental benefit and reduce the environmental impacts during the cleanup process" under the state's Model Toxics Control Act.

The green remediation guidance includes best management practices (BMPs) to consider during site investigation and remedy selection and implementation.

At Ecology-led cleanups, the agency will require the use of green remediation BMPs. For Ecology-supervised cleanups at formal cleanup sites and for independent cleanups, Ecology will encourage the use of the BMPs. JD Supra / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

June 4 – Click on the links below to read the latest news from NOAA OR&R

[Shoreline Cleanup and Assessment Technique \(SCAT\) Team Member Training](#)

From May 25-27, the Emergency Response Division of OR&R conducted [Shoreline Cleanup and Assessment Technique \(SCAT\)](#) team member training for the U.S. Coast Guard National Strike Force and Sector Mobile's Incident Management Division through both virtual classroom instruction and in-person field training on Gulf Islands National Seashore Pensacola Beach, Florida.

[Marine Debris Research in the Great Lakes](#)

On May 20, Sarah Lowe, the Marine Debris Program's Great Lakes regional coordinator co-chaired a virtual marine debris session at the International Association of Great Lakes Research Conference.

[Next "You Don't Know What You Don't Know" Lecture: Aerial Imagery aboard NOAA Aircrafts](#)

When disaster hits response teams are activated and begin working on a ground level. The teams use photos to prepare for the next day's activities. Having an aerial perspective helps identify areas hardest hit, locations of possible danger, and even to identify civilians stranded that need help.

Please join us on June 17 at 3 pm EST to hear LCDR Scott Broo with National Geodetic Survey as he dives into aerial imagery aboard the NOAA Aircrafts and the important work they do post storm to help get the response and restoration work started.

<https://noaaorr.adobeconnect.com/orrlectureseries/> (link is external) Next episode: Thursday June 17 at 3 pm EST

For further information, contact Hayley.Betker@noaa.gov (link sends e-mail).

YEMEN: UN SECURITY COUNCIL TO DISCUSS DECAYING FSO TANKER

June 2 - After months of talks aimed to permit UN inspectors permission to board a decaying oil tanker anchored off Yemen as a storage unit, the Houthis rebels ended the talks. Britain, as a result, has asked the United Nations Security Council to become involved before the vessel causes an environmental disaster in the region.

AFP is quoting a spokesperson for Britain at the UN saying that they asked the Security Council to discuss the next steps in light of the collapse of the negotiations with the Houthis. "The responsibility for the tanker lies with the Houthis, and they must cooperate with the UN," AFP is reporting Britain said in elevating the issue to the Security Council. The Security Council will convene on June 3 to review the situation with the FSO Safer, a 1,188-foot single-hull tanker built in 1976. Anchored off Ras Issa, Yemen as floating storage, the vessel is believed to be holding approximately 1.1 million barrels of oil. Caught in the civil war in Yemen, the vessel was abandoned in 2015 and has not received maintenance in at least six years. The Maritime Executive / [Read more](#)

OCEAN REVIVAL ADVENTURES – THE WORLD’S MOST DANGEROUS ROW

An opportunity for readers of the ISCO Newsletter to sponsor a very worthwhile cause

While getting our boat ready to move to her summer mooring, I had the good fortune to meet [Ian Clinton and Simon Chalk](#), members of the Ocean Revival Adventures crew, waiting with their ocean rowing boats at Liberty Landing in New York harbor for a suitable weather window to set off on what has been dubbed the “world’s most dangerous row.”

From their [website](#): Ocean Revival 2020 is a team of serving and former serving Royal Marine Commandos, who have fought alongside each other in 45 Commando. They have now teamed up to take the fight against plastic by rowing across the North Atlantic Ocean, rowing a route that has never been completed before and one that is statistically the most dangerous and arduous ocean row to attempt.

The Ocean Revival team plans to row across the North Atlantic Ocean, a feat that only 57 people in history have achieved. The crossing has been attempted a total of 72 times, with 29 successes, over 43 failures, and which has sadly taken 6 ocean rowers’ lives.

None have rowed from New York to London – Ocean Revival aims to be the first. The epic row across the North Atlantic will total approximately 3,700 miles from the Brooklyn Bridge in New York City to Tower Bridge in London.

Learn more about this exciting event at <https://oceanrevivaladventures.com/wp-content/uploads/2021/04/Ocean-Revival-April-2021-News-Letter.pdf> and to make a donation please click [HERE](#)

[Please note that for each GB£ 10 you donate, your card will be debited by approx. US\$ 14 or € 11.5 or an equivalent amount in your own currency]

WORK GOING ON BEHIND THE SCENES

Currently ISCO is working on a major upgrade of its Supplies & Services Directory. The new version of the Directory will soon be ready for launch and will make it much easier for users to access information on the supplies and services available from ISCO members.

HEALTH & SAFETY

DEALING WITH FLAMMABLE CHEMICALS

May 31 - Nancy Westcott details how specialised transfer systems spelled out in SDS Guidelines support safety.

In laboratory environments, hazardous chemicals such as solvents, acetone, acids and cleansers are frequently transferred from large drums or containers into smaller vessels such as Erlenmeyer flasks or beakers. Given that many of these chemicals and branded formulations are flammable, hazardous or potentially combustible, environmental, health and safety directors are often charged with the task of identifying the best type of transfer pump for liquids that come in the door to ensure lab personnel return home safely.

After all, the risks could not be higher. Use of the wrong type of pump or worse, employees tipping and pouring out contents, can be catastrophic. If toxic or highly flammable materials are accidentally released, there is sure to be a corresponding spike in injuries, catastrophic fires and even explosions. [Scientist Live / Continue reading](#)

ENERGY INSTITUTE: 55,000 USER MILESTONE PASSED BY TOOLBOX HEALTH AND SAFETY WEB APP

June 3 - The EI’s Toolbox health and safety web app has now clocked up more than 55,000 users in 188 countries since its launch in 2019, helping workforces around the world avoid repeating hazardous incidents.

The reach of the essential free-to-view resource has been boosted by translation over the past year into seven languages (French, Spanish, Russian, Traditional Chinese, German, Brazilian Portuguese and Malay) on top of the original English. This year will see the addition of Simplified Chinese and Japanese.

The collaboration behind Toolbox also grew during 2020, from the original seven leading energy companies (BP, Chevron, ConocoPhillips, ExxonMobil, Phillips 66, Shell and Total), being joined by Repsol and the G+ Global Offshore Wind Health and Safety Organisation.

Toolbox content undergoes a rigorous internal approval process and the platform now hosts nearly 400 short presentations and videos on incidents and near misses. Reflective questions are included to help consolidate the learnings. Eight new animations on key topics are also in development to add to the existing series, bringing to life real incidents in which people have been injured or killed while working on industrial sites.

Join 55,000 other users and access Toolbox for free at <https://toolbox.energyinst.org>

PROTECTING SRI LANKA'S NEGOMBO LAGOON

By way of introduction, my name is James Cobb. I am the inventor of improved technology for a wide variety of marine oil spills, including the protection of intertidal estuaries and lagoons. My work has surpassed the reviews of the 22 nation PCT (patent co-operation treaty) for originality, I have mentioned this to bring some validity to that which I am attempting to do, which is the offer help in the form of new methodology for the protection of lagoons such as the Negombo.

I offer help with technical knowledge for local fisherman to assemble and deploy a containment system that would stop the oil from reaching the interior of the lagoon by stopping oil at the mouth, while allowing tidal exchanges to pass below, without "entrainment" (oil that is pulled under the oil booms that are securely in place), and to prevent "overtopping" in current or waves (oil washing over top of oil boom).

To stop the damage that is about to occur in Negombo, and help prevent future disasters and to propel better technology, I offer everything I know to assist Sri Lanka's Negombo lagoon, the people's livelihoods that are dependent upon a clean environment in good faith, and at no charge to Sri Lanka or NGOs.

I am ready to reach out to assist in any possible way. With sincerity and due diligence,
James Cobb, retriever.environmental@gmail.com +1-907-299-4767

UPCOMING WEBINARS

ITALY: MARINE STRATEGY MEASURES PROGRAM WEBINAR

Jun 07, 2021 from 03:00 PM to 05:00 PM - ISPRA, engaged in updating the Marine Strategy Measures Program, in support of the MiTE, organizes a webinar on the "sea", addressing all those technical, scientific and information aspects on activities for the safeguarding of vital human heritage. The meeting, moderated by Fabio Gallo, host of RAI Linea Blu, addresses the problems of the sea deriving from climate change, pollution, marine litter, overfishing, alien species, seen from the perspective of ISPRA researchers and experts of the MiTE [More info](#)

FREE WEBINAR FROM UK AND IRELAND SPILL ASSOCIATION

Wed, 16 Jun 2021 15:00 BST [Spill Knowledge Base: Marine Special Equipment](#)

Click on the blue title for more info on specified webinar. [view our upcoming virtual events here.](#)

BASIC CONCEPTS ROLLS OUT 2021 SPILL PREVENTION WEBINAR SCHEDULE

[Fire-resistance Rated Secondary Containment Options Register Now!](#)

Date: Tuesday, June 29, 2021 Time: 11:00 a.m. EDT to Noon

Industry standards and insurance requirements demand fire suppression and fire walls for transformers. Join BCI for this informative webinar that covers various options for fire-resistance-rated containment.

[SPCC Regulations Register Now!](#)

Date: Tuesday, July 27, 2021 Time: 11:00 a.m. EDT to Noon

The Clean Water Act and SPCC regulations govern above ground storage of chemicals, hydrocarbons and other hazardous materials that might find their way into navigable waterways. In this webinar, we will discuss SPCC rules and regulations for general and sized secondary containment systems.

[MIDEL and Vipor Solutions Register Now!](#)

Date: Tuesday, August 24, 2021 Time: 11:00 a.m. EDT to Noon

MIDEL is a new oil type that is gaining popularity for electrical transformer cooling oil. In this webinar, we will discuss the challenges associated with secondary containment systems for MIDEL oil filled equipment, testing of approved BCI MIDEL Oil Stop Valves and VIPOR solutions for dewatering secondary containment systems with MIDEL oil.

[T.R.A.P.S. for Bulk Fuels Containment Register Now!](#)

Date: Tuesday, September 28, 2021 Time: 11:00 a.m. EDT to Noon

The T.R.A.P.S. system is BCI's patented containment system that provides an alternative to full secondary containment of bulk fuels containment. Join BCI as we discuss the T.R.A.P.S. system, Florida approval for T.R.A.P.S over full volume secondary containment and other uses.

[Managing Difficult Containment Penetration Methods Register Now!](#)

Date: Tuesday, October 26, 2021 Time: 11:00 a.m. EDT to Noon

[Insulated Coatings for Above Ground Storage Tanks Register Now!](#)

Date: Tuesday, November 16, 2021 Time: 11:00 a.m. EDT to Noon

Corrosion Under Insulation is a growing and costly problem for operators of Above Ground Storage Tanks. In this webinar, we will discuss thermally insulative industrial coatings and their use for insulating and preventing Corrosion Under Insulation.

[Insulated Coatings for Above Ground Storage Tanks Register Now!](#)

Date: Tuesday, December 14, 2021 Time: 11:00 a.m. EDT to Noon Solar and Wind energy generation is a fast-growing market and

UPCOMING WEBINARS (CONTINUED)

requires secondary containment systems for oil filled equipment. Join BCI to discuss alternative methods for secondary containment for electric transformers in solar and wind applications.

PEMSEA - OCEAN ROUND TABLE DIALOGUE

8 June 2021, 9:00 am-12:00 nn Cambodia time In celebration of World Oceans Day, Partnerships in Environmental Management for the Seas of East Asia (PEMSEA) is organizing an ocean roundtable dialogue entitled "Towards A Blue Economy Pathway for the East Asian Seas." This is the first of a series of Collabs that will culminate in the East Asian Seas (EAS) Congress 2021 on 1-2 December 2021. [More info and registration](#)

PROGRAMS IN EMERGENCY & DISASTER MANAGEMENT WEBINAR

16 June 12-1pm ET We invite you to learn more about the Master's in Emergency & Disaster Management at the Georgetown University School of Continuing Studies. Gain the strategic skills required to head emergency management response efforts, improve public policy and, most importantly, save lives. Georgetown offers two distinct degree formats that are designed to shape the next generation of emergency management practitioners and leaders: master's and executive master's. The first 30 minutes will focus on the master's degree and the second 30 minutes will focus on the executive master's degree. Join us for a live webinar to learn more about the program formats, requirements, and application process. [More info](#)

ONLINE AND OTHER TRAINING COURSES

OSRL: BOOK OIL SPILL RESPONSE TRAINING FROM ANYWHERE

[Remote OPRC \(IMO Level 3 Equivalent\) Oil Spill Management Course](#)

9-11 June BST

Learn the essential skills and tactical knowledge required to initiate and terminate response, to perform the role of Incident Commander and effectively manage an emergency response team.

CEDRE: E-LEARNING MODULE: SURVEYING SITES POLLUTED BY OIL

In every major spill, the oiled site survey phase is of primary importance. It enables decision-makers to assess the scale of the pollution, estimate its impact on the shoreline, determine response priorities, select the most appropriate response techniques and allocate adequate personnel and equipment. During 2020, Cedre added a new two-hour module on this theme to its online learning centre. The aim is to train any person liable to conduct a shoreline survey.

This module aims more specifically to teach trainees the necessary skills to: conduct a field survey; segment a shoreline and describe the pollution; identify the relevant key information to be collected and passed on for clean-up operations and fill in a standard survey form. The English language version of this module is now available on our e-learning platform. <https://www.cedre.fr/en>

CEDRE: 2021 TRAINING PROGRAMME

Click on these links [training catalogue](#) and [2021 calendar](#). We also invite you to visit our new online training space and the training courses offered: <https://elearning.cedre.fr/>

USA: HAZARDOUS MATERIALS CODE ENFORCEMENT P0615

June 13-18, 2021. Emmitsburg, Maryland. 6-day on-campus - This six-day course is designed to guide students in gaining and sharing the knowledge, skills and abilities to effectively recognize and analyze hazardous materials risk, classify the materials, and apply the codes, standards, and regulations to prevent incidents and mitigate threats to life and property. [More info](#)

ALGA: PFAS 101 TRAINING MODULES

These training modules, prepared by members of ALGA's Emerging Contaminants of Concern Interest Group (EmCoC IG), consists of 9 online modules covering aspects of PFAS from health risk and community consultation to investigation and remediation. The content for the modules has been developed with a principally Australian and New Zealand focus, but also draws examples of best practice from around the world, making it up to date, expansive yet locally relevant. [More info](#)

IOPC FUNDS' ONLINE SHORT COURSE: 2021 DATES

The Director is pleased to announce that the 2021 IOPC Funds Short Course will be held online for the first time and take place over two weeks between 14 and 25 June 2021, running three hours per day.

The online course programme will cover all aspects of the work of the IOPC Funds and the international liability and compensation regime in general and will include interactive exercises which allow participants to study a theoretical incident and the subsequent claims submission process. The course is supported by IMO, ICS, the International Group of P&I Associations and ITOPF. [More info](#)

ON-DEMAND CONFERENCE - PFAS UPDATES 2021

23rd June 2021 - Following a successful inaugural edition in 2020, this virtual conference will bring together experts and stakeholders for a comprehensive discussion on the latest regulatory developments around the use of PFASs. Chemical Watch / [More info](#)

USA: TEXAS A&M UNIVERSITY – NATIONAL SPILL CONTROL SCHOOL

Calendar of upcoming training courses and webinars <http://nscs.tamucc.edu/schedule-2020-2021.html>

USA: MASTER'S IN EMERGENCY & DISASTER MANAGEMENT

Georgetown's Master of Professional Studies in Emergency & Disaster Management - Unlike many response-focused emergency management programs, our degree takes a sophisticated and holistic approach to the field. You'll examine the full disaster lifecycle—with a particular focus on preparedness and recovery—within a U.S. context. [More info](#)

CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

INTERNATIONAL OPEN TENDER NOTIFICATION SERVICE

This is a subscription service. [Have a look to see examples of open tenders.](#)

OTHER OPPORTUNITIES: USA & EUROPE

US Government solicitations are frequently posted in Technology Innovation News Survey, US EPA Tech Direct and USA Federal Contracts Update. European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter. See "Links for other publications" for links to download current issues of these publications.

UPCOMING EVENTS

Event organisers are requested to notify ISCO immediately if a listed event is cancelled or postponed

Your Editor is doing his best to keep this listing up-to-date but it should not be assumed that listed events have not been cancelled or postponed. It is recommended that you check with event organisers before finalising your attendance plans. If an event title is not printed in blue ink it is not hyperlinked to the event website. This may be because the website is not yet available or because the link for the website has not yet been given. If you want to request the addition of an event please contact the Editor.

For more information click on Title of Event			
COUNTRY	2021	TITLE OF EVENT	LOCATION
VIRTUAL EVENT	June 8-9	Environment Analyst Global Business Summit 2021	Online
VIRTUAL EVENT	June 8-10	43rd AMOP Technical Seminar on Environmental Contamination and Response	Online
USA	June 8-10	Elastec Spill Workshop 2021	Carmi, IL
VIRTUAL EVENT	June 10-17	IMO Marine Environment Protection Committee	Online
VIRTUAL EVENT	June 15	Clean Atlantic Final Conference	Online
TUNISIA	June 15	Training on Readiness Evaluation Tool for Oil Spills	Hammamet
TUNISIA	June 16-17	Regional Workshop on Oil Spill Waste Management	Hammamet
VIRTUAL EVENT	June28 – July2	IMO Council Meeting	Online
USA	August 17-18	Clean Pacific Exhibition & Conference	Renton, WA
USA	September 7-10	Hazmat Emergency Response Workshop	Sacramento, CA
NETHERLANDS	September 9-10	Envirotech for Shipping Forum	Rotterdam
USA	Sept. 13-15	Clean Waterways Conference & Exhibition	Louisville, KY
GERMANY	October 20	HELCOM Ministerial Meeting	Lübeck
CROATIA	October 26-28	Regional Workshop – Enhancing Preparedness and Response in the Adriatic & Mediterranean Regions	Opatija
CROATIA	October 29	MOIG General Assembly Meeting	Opatija
USA	Nov. 16-18	Clean Gulf Conference & Exhibition	San Antonio, TX
BAHREIN	Nov. 28-30	International Conference & Exhibition on Spills, Clean Seas & Environment	Bahrein
UK	December 1-2	Salvage and Wreck Removal Conference	London
CAMBODIA	December 1-4	East Asian Seas Congress	Sihanoukville
COUNTRY	2022	TITLE OF EVENT	LOCATION
UK	March 15-17	Oceanology International	London

Please advise the Editor if any of the above entries require correction or updating. John.mcmurtrie@spillcontrol.org

CANADA: 43RD AMOP TECHNICAL SEMINAR ON ENVIRONMENTAL CONTAMINATION AND RESPONSE – JUNE 8-10

This is a virtual event. To view the complete programme and get more information, view the Technical Seminar Website: <https://www.canada.ca/en/environment-climate-change/services/science-technology/arctic-marine-oilspill-program.html> or contact natalie.jones@canada.ca Tel. : 613-991-1114 Fax: 613-991-9485

The following summary is described as the “Preliminary Programme” but appears to have been updated on 27th May 2021. The organiser has advised “We cannot guarantee that all papers will be presented at the Seminar”.

TUESDAY, JUNE 8 - Room 1

RESPONSE TECHNOLOGIES AND COUNTERMEASURES FOR OIL SPILLS

Burn Test Pans - Size Matters - Merv F. Fingas, Spill Science, Edmonton, Alberta, Canada

Calculating the Concentrations of Oil and Dispersants under Dispersed Oil Slicks - Merv F. Fingas, Spill Science, Edmonton, Alberta, Canada

Mesoscale In-Situ Burn (ISB) Experiments for Oil Spill Response in Freshwater with Vegetation - Kemal Sarp Arsava et al., US Army Engineer Research & Development Center, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire, USA

Burning Behaviour of an Oil Slick with Waves - Nathaniel G. Sauer et al., Worcester Polytechnic Institute, Worcester, Massachusetts, USA

The BOREAL Project - In-situ Recovery Techniques and Analysis of Sunken Diluted Bitumen in a Freshwater System - Keval Shah et al., Environment & Climate Change Canada, Emergencies Science and Technology Section, Ottawa, Ontario, Canada

Oily Waste Generation and Minimization in Marine Oil Spill Response - A Review - Yuan (James) Yao et al., Environment & Climate Change Canada, Emergencies Science and Technology Section, Ottawa, Ontario, Canada

Assessment and Optimization of Air Assisted Oil Spill Recovery Enhancement Using Numerical Simulation - Vandad Talimi et al., C-Core, St. John's, Newfoundland, Canada

Application of the Field Scale Test Protocol for Type I Sorbents Recovering Oil on Water - Grant Coolbaugh et al., Applied Research Associates (ARA) Inc. - Ohmsett Test Facility, Leonardo, New Jersey, USA

SMART Protocol Using Polarized Infrared Cameras - Tim Nedwed et al., ExxonMobil Upstream Research Company, Spring, Texas, USA; ExxonMobil Biomedical Sciences, Inc., Annandale, New Jersey, USA

FORUM ON MULTI-PARTNER RESEARCH INITIATIVES (MPRI)

Coupled Texas A&M Oil Spill Calculator/Viscous Breakup Model in Jets (TAMOC/VDROP-J) Simulations of Subsea Blowouts and Pipeline Leaks - Scott A. Socolofsky et al., Texas A&M University, Zachry Department of Civil and Environmental Engineering, College Station, Texas, USA

Delayed Mixing of Oil Droplets Crossing an Oil-Water Interface due to Engulfment by Lingering Thin Water Films - Omri Ram et al., Johns Hopkins University, Department of Mechanical Engineering, Baltimore, Maryland, USA

TUESDAY, JUNE 8 - Room 2

DETECTION, TRACKING, AND REMOTE SENSING OF OIL SPILLS

Development and Evaluation of Mid-range Benchtop FTIR as an Integrated Tool for Emergency Oil Spill Response - Kevin Watson et al., Environment & Climate Change Canada, Emergencies Science and Technology Section, Ottawa, Ontario, Canada

Characterization of Spectral Signatures of Various Oils on Water - Igor Zakharov et al., C-CORE, Ottawa, Ontario, Canada

Ultrasonic based Techniques to Monitor Oil Spills and their Depth - Anand Prakash et al., University of Western Ontario, Department of Chemical and Biochemical Engineering, London, Ontario, Canada

Quick Assessment of Spill Paths Using High-resolution Elevation Data Near Spill Sources - Paul A. Arp et al., University of New Brunswick, Fredericton, New Brunswick, Canada

SHORELINE RESPONSE

Shoreline Contamination in 2015 SS Arrow Spill, Chedabucto Bay, Nova Scotia, Canada - Sonia Laforest et al., Environment & Climate Change Canada, Emergencies Science and Technology Section, Montréal, Québec, Canada

The Role of SCAT-OPS Liaison in a Shoreline Response Program (SRP) - Edward H. Owens, Owens Coastal Consultants (OCC) Ltd., Bainbridge Island, Washington, USA

Data Management for Time-series Profiling Surveys and Sediment Volume Change - Mark A. Kulp et al., University of New Orleans, Pontchartrian Institute for Environmental Sciences, New Orleans, Louisiana, USA

Field Trials Using Canines to Detect Deep Subsurface Weathered and Heavy Oils - Edward H. Owens et al., Owens Coastal Consultants (OCC) Ltd., Bainbridge Island, Washington, USA

A Checklist Approach to the Mobilization and Activation of an Integrated Shoreline Response Program (SRP)/Shoreline Cleanup Assessment Technique (SCAT) Program in the Incident Command System (ICS) - Edward H. Owens et al., Owens Coastal Consultants (OCC) Ltd., Bainbridge Island, Washington, USA

ENVIRONMENTAL EMERGENCY OPERATIONS

Introducing the National Environmental Emergencies Centre - Mathieu Dussault et al., Environment & Climate Change Canada, National Environmental Emergencies Centre, Montréal, Québec, Canada

The NEEC Notification Desk - Kristine Brossard et al., Environment and Climate Change Canada, National Environmental Emergencies Centre, Montréal, Québec, Canada

The National Environmental Emergencies Operations Centre - Merlo Gauvreau et al., Environment and Climate Change Canada, National Environmental Emergencies Centre, Montréal, Québec, Canada

Geospatial Capabilities Enabling NEEC Operations and Interoperability - Anthony Pouw et al., Environment and Climate Change Canada, National Environmental Emergencies Centre, Montréal, Québec, Canada

TUESDAY, JUNE 8 - Room 3

REMEDIATION, RESTORATION, AND REHABILITATION OF CHEMICAL AND HAZARDOUS MATERIAL SPILLS

Bacterial and Fungal Enzyme Cocktail for the Biodegradation of a p-Xylene Spill in Groundwater - Saba Miri et al., York University, Lassonde School of Engineering, Toronto, Ontario, Canada

Supporting Remediation Efforts for Environmental Fentanyl Contamination Incidents - Stuart A. Willison et al., US Environmental Protection Agency (US EPA), Office of Research and Development, Cincinnati, Ohio, USA

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, NUCLEAR AND EXPLOSIVE (CBRNE) RESPONSE

Evaluation of Electrostatic Sprayers for Personnel Personal Protective Equipment Biological Decontamination - John Archer et al., US Environmental Protection Agency (US EPA), Durham, North Carolina, USA

MONITORING AND ASSESSMENT OF CHEMICAL AND HAZARDOUS MATERIAL SPILLS

Phospholipid Fatty Acid Analysis for Profiling Microbial Communities Associated with Microbiologically Induced Corrosion in the Submarine Environment - Xing Song et al., Memorial University, Faculty of Engineering and Applied Science, St. John's, Newfoundland, Canada

CONTINGENCY PLANNING, PREPARATION, AND PREVENTION OF SPILLS OF CHEMICALS AND HAZARDOUS MATERIALS

Determining the Likelihood of Ship-source Hazardous and Noxious Substance Releases in Canada - David J. Creber et al., Dillon Consulting Ltd., Fredericton, New Brunswick, Canada

OIL SPILL CONTINGENCY PLANNING, PREPARATION, AND PREVENTION

Estimating to Flow of Bulk Oil and Hazardous Materials through Massachusetts - Findings and Recommendations for Improved Data Management - Elise DeCola et al., Nuka Research & Planning Group, LLC, Plymouth, Massachusetts, USA

Perspectives on Oil Spill Statistics 1970-2020 - Dagmar Schmidt Etkin, Environmental Research Consulting, Cortlandt Manor, New York, USA

First Nations Capacity-building through Geographic Response Strategy Development - Highlights from 2019 Field Season in the BC Northern Shelf Bioregion - Elise DeCola et al., Nuka Research & Planning Group, LLC, Plymouth, Massachusetts, USA

Remote Arctic Storage Facility Management Challenges - Mikkel Foltmar et al., NORTECH Inc., Anchorage, Alaska, USA

WEDNESDAY, JUNE 9 - Room 1

FORUM ON MULTI-PARTNER RESEARCH INITIATIVES (MPRI) (CONTINUED)

Enhancing the Dispersant Efficiency by Applying Artificial Energy after Dispersant Treatment - Liv-Guri Faksness et al., SINTEF Ocean AS, Trondheim, Norway

Impact of Chemical Oil Herders on Wave Breaking - Lakshmana Dora Chandrala et al., John Hopkins University, Department of Mechanical Engineering, Baltimore, Maryland, USA

Essential Aquatic Toxicology Data Collection Associated with Deployment of Alternate Response Measures Using Non-standard Species and Customized Methods and Biological Endpoints - Benjamin de Jourdan et al., Huntsman Marine Science Centre, St. Andrews, New Brunswick, Canada

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

Oil Jet in Water: Measurements of Flow Structure and Turbulence in the Nearfield - Xinzhi Xue et al., Johns Hopkins University, Department of Mechanical Engineering, Baltimore, Maryland, USA

A New Decanting Water Onsite Treatment System by UV-enhanced Ozonation for Marine Oil Spill Response - Guihua Dong et al., Memorial University, Faculty of Engineering and Applied Science, St. John's, Newfoundland, Canada

Testing of Alternative Response Options for Spilled Conventional Oils and Non-conventional Oils Transported in Canada - David Cooper et al., SL Ross Environmental Research Ltd., Ottawa, Ontario, Canada

An Investigation into the Geographic Distribution and Variability of Inorganic Fine Particles in Canadian Marine Environments - Edward H. Owens et al., Owens Coastal Consultants (OCC) Ltd., Bainbridge Island, Washington, USA

Role of Nanomaterials in Oil-Water Separation - Suboohi Shervani et al., Memorial University, Faculty of Engineering & Applied Science, St. John's, Newfoundland, Canada

Metal Organic Framework (MOF)-5 Based Mesh for the Separation of Oil-Water Mixture - Mohammed Alsakit et al., Memorial University, Faculty of Environmental Science, St. John's, Newfoundland, Canada

Simulation of Oil Droplet Formation from Vertical and Crossflow Jets - Experiments and Improvements within VDROPI - Michel C. Boufadel et al., New Jersey Institute of Technology, Newark, New Jersey, USA

Structural and Rheological Changes of Water in Crude Oil Emulsions Caused by Dispersants - Diego F. Muriel Delgado et al., Johns Hopkins University, Baltimore, Maryland, USA

Development of an Oil Dispersant Using Biosurfactants for Oil Spill Treatment in the North Atlantic Ocean - Zhiwen Zhu et al., Memorial University, Faculty of Engineering and Applied Science, St. John's, Newfoundland, Canada

WEDNESDAY, JUNE 9 - Room 2

OIL SPILL MODELLING

Physical Model Studies of Innovative Oil Containment Boom Designs - Scott Baker et al., National Research Council of Canada, Ottawa, Ontario, Canada

Effectively Communicating Oil Spill Modeling Results - Electronic Forums for Environmental and Emergency Response Information - Matthew Horn et al., RPS Ocean Science, South Kingston, Rhode Island, USA

Floating Oil Emulsification - Review of Models, Input Requirements, and Research Needs - Deborah P. French McCay et al., RPS Ocean Science, South Kingston, Rhode Island, USA

A Comparison of Drift Prediction Modelling Methodologies - Nancy Soontiens, Fisheries and Oceans Canada, St. John's, Newfoundland, Canada

Optimizing Improvement in Spill Response Models to Meet the Needs of the On-scene Command - Bill Lehr et al., National Oceanic & Atmospheric Administration (NOAA), Seattle, Washington, USA

Non-linear Source Term and Scenario for Operational Oil Spill Model - Kuo-Hsien Chang et al., Environment & Climate Change Canada, Canadian Meteorological Centre, Dorval, Québec, Canada

Oil Droplets at the Water Surface - Breakup and Diffusion - Michel C. Boufadel et al., New Jersey Institute of Technology, Department of Civil and Environmental Engineering, Newark, New Jersey, USA

FATE AND EFFECTS OF OIL

Fate and Transport of a Heavy Oil Release into the North Saskatchewan River - Shaun Toner et al., Matrix Solutions Inc., Edmonton, Alberta, Canada

A Characterisation of the Geochemical Evolution and Subsequent Aquatic Toxicity of Diluted Bitumen within Shallow Groundwater Systems over Time - Scott Hepditch et al., Institut national de la recherche scientifique, Centre Eau Terre Environnement (INRS-ETE), Québec City, Québec, Canada

Variability in Acute Toxic Response of American Lobster Larvae (*Homarus americanus*) to Oil Constituents Using Water Accommodated Fraction (WAF) and Chemically Enhanced Water Accommodated Fraction (CEWAF) Methods - Tahereh Boloori et al., Huntsman, Marine Science Centre, St. Andrews, New Brunswick, Canada

THURSDAY, JUNE 10 - Room 1

PHYSICAL AND CHEMICAL PROPERTIES AND BEHAVIOUR OF OIL SPILLS

The Agia Zoni II Oil Spill - Imprint and Environmental Consequences on the Marine Ecosystem of Saronikos Gulf (Greece) - Constantine Parinos et al., Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, Anavyssos, Attika, Greece

Comparing Oil Fingerprints or Diagnostic Ratios - Merv F. Fingas, Spill Science, Edmonton, Alberta, Canada

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

Simultaneous Quantitation of Dispersant and Fingerprinting Analysis of Oil in Aqueous Samples Using Commercial Solid Phase Extraction (SPE) Cartridge and Liquid/Gas Chromatography-Mass Spectrometry (LC/GC-MS) - Chun Yang et al., Environment & Climate Change Canada, Emergencies Science and Technology Section, Ottawa, Ontario, Canada

Introduction to Oil Visual Guides: New Information Products for Oil Spill Response - Fatemeh Mirnaghi et al., Environment & Climate Change Canada, Emergencies Science and Technology Section, Ottawa, Ontario, Canada

Generation and Characterization of Representative Oil-in-Water Emulsion for a Laboratory Study of Decanting as a Potential Alternative Oil Spill Response Measure - Vladimir Blinov et al., Environment & Climate Change Canada, Emergencies Science and Technology Section, Ottawa, Ontario, Canada

Toluene Impact on Aquatic Environments - Anthropogenic or Naturally Occurring? - Virgil Guran et al., Bureau Veritas Laboratories, Mississauga, Ontario, Canada

Conservative Release of Benzene and Toluene to Water following an Oil Spill - Mahyar Sakari et al., AGAT Laboratories Ltd., Centre of Excellence and Innovation, Calgary, Alberta, Canada

Characterization of Natural Conditions in the Lower Fraser River and the Salish Sea in Support of an Assessment for Oil-Mineral Aggregate Formation Potential - Aurelien Hospital et al., Tetra Tech Canada, Vancouver, British Columbia, Canada

Source Identification of Oil Spilled to the Ocean and Shoreline near Postville, Labrador in June, 2020 - Zeyu Yang et al., Environment & Climate Change Canada, Emergencies Science and Technology Section, Ottawa, Ontario, Canada

Environment and Climate Change Canada's Open Data Oil Properties Database - Fatemeh Mirnaghi et al., Environment & Climate Change Canada, Emergencies Science and Technology Section, Ottawa, Ontario, Canada

A Novel Approach for Oil Spill Forensics Using GC/QToF and Principal Components Analysis - Dayue Shang et al., Environment & Climate Change Canada, Pacific & Yukon of Laboratory for Environmental Testing, North Vancouver, British Columbia, Canada

CASE HISTORIES AND RECENT OIL SPILL EXPERIENCES

Recent Oil Spill Experiences - To Be Determined, International Tankers Owners Pollution Federation (ITOPF) Ltd., London, England

THURSDAY, JUNE 10 - Room 2

REMEDIATION, RESTORATION, AND REHABILITATION OF OIL SPILLS

Biotransformation of Dispersed Weathered Oil Released from Melted Sea Ice - A Laboratory Study of Microbial Community Successions and Oil Biodegradation - Synnøve Lofthus et al., Norwegian University of Science and Technology, Trondheim, Trøndelag, Norway

Integrated Spill Response Strategies - Unseen Consequences of Inland Spills - Nick Dyer et al., Oil Spill Response Limited (OSRL), Southampton, England

Phytoremediation as a Strategy for Remote Contaminated Sites - Elizabeth W. Murray et al., Earthmaster Environmental Strategies Inc., Calgary, Alberta, Canada

Improving Contaminated Soil Remediation - Using Plants to Promote Beneficial Bacteria - Elizabeth W. Murray et al., Earthmaster Environmental Strategies Inc., Calgary, Alberta, Canada

Treatment of Co-mingled Plumes of Petroleum Hydrocarbons (PHCs) and Per- and Polyfluorinated Alkyl Substances (PFAS) - Options and Tools - Krista Barfoot et al., Stantec, Waterloo, Ontario, Canada

Physical and Biological Removal of Unconventional Oils in a Fixed Bed Bioreactor - Seyyed Mohammadreza Davoodi et al., York University, Lassonde School of Engineering, Toronto, Ontario, Canada

End of Technical Seminar [Your editor regrets it was not possible to publish this conference programme sooner]

TUNISIA: ANNOUNCEMENT OF THE TRAINING ON RETOS

The Mediterranean Oil Industry Group (MOIG) and the National Agency of Environment Protection (ANPE) are very pleased to announce that the training on "Readiness Evaluation Tool for Oil Spills (RETOS)"; will be held on 15 June 2021; at Iberostar Averroes Hotel in South Hammamet-Tunisia. [More info in the May 2021 issue of the MOIG Newsletter](#)

TUNISIA: REGIONAL WORKSHOP ON OIL SPILL WASTE MANAGEMENT

The Mediterranean Oil Industry Group (MOIG), the Center of Documentation, Research and Experimentation on Accidental Water Pollution (Cedre) and the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC) are very pleased to announce that the Regional Workshop on "Oil Spill Waste Management"; will be held on 16-17 June 2021; at Iberostar Averroes Hotel in South Hammamet-Tunisia. The event will be open on Wednesday, 16 June 2021 at 08:30 am and expected to close on Thursday, 17 June 2021 at 17:00 pm. [More info in the May 2021 issue of the MOIG Newsletter](#)

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

USA: CLEAN PACIFIC CONFERENCE AGENDA NOW AVAILABLE

The 2021 CLEAN PACIFIC [conference agenda](#) is now available! These sessions will take place at the Hyatt Regency Lake Washington, August 17-18, and all will be live-streamed in our virtual platform for those who can't attend in-person.

USA: CLEAN WATERWAYS PRELIMINARY CONFERENCE AGENDA

The [2021 CLEAN WATERWAYS preliminary conference agenda](#) is here! These sessions will take place at the Galt House Hotel in Louisville, KY, September 14-15, with a selection of sessions being live-streamed in our virtual platform for those who can't attend in-person. Session details and descriptions will be announced next month. If you register for CLEAN WATERWAYS by June 25th, you will receive our early bird registration discounts, which offer savings for both in-person and virtual registrations.

USA: CLEAN GULF - JUST RELEASED – SESSION LINE-UP FOR CONFERENCE & EXHIBITION

The planning committee for [CLEAN GULF 2021](#) has created an outstanding line-up of sessions for this year's event, taking place November 16-18 at the Henry B. Gonzalez Convention Center in San Antonio, TX. Make plans to join us for CLEAN GULF's 30th anniversary and come together with your peers in the response community you've been missing over the last 12+ months. We'll be addressing important topics such as hurricane season and COVID-19's impacts, virtual emergency operations center (EOC) and digital toolbox, employee stabilization in disaster to support business continuity, oil and gas industry response to COVID-19 pandemic, lessons-learned for virtual training and exercising, and much more. See last week's ISCO Newsletter for more details.

LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

AMSA Update	Latest News from the Australian Maritime Safety Authority	Current issue
ATRAC Newsletter	News from the Adriatic Training and Research Centre	October 2020
AUSMEPA Bulletin	News from the Australian Marine Environment Protection Assoc'n	Summer 2020
BIMCO Bulletin	Marine and shipping-related news from BIMCO	March 2021
Newsletter from George Holliday	News and commentary on HSE issues from George Holliday	Free on request
Cedre Newsletter	News from Cedre in Brittany, France	April 2021
EMSA Newsletter	News from the European Maritime Safety Agency	May 2021
Environmental Expert	Environmental News from Environmental Expert	Current issue
GDACS Newsletter	Daily alerts for natural disasters – earthquakes, floods, typhoons, etc.	Free on request
GEF Newsletter	Monthly Newsletter from the Global Environment Facility	Subscription
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 2020
IMO News Magazine	News from the International Maritime Organization	Autumn/Winter 2020
IMO Publishing Newsletter	New and forthcoming IMO publications	September 2020
ITOPF Ocean Orbit	News magazine from ITOPF with interesting spill response articles	February 2021
JOIFF Catalyst Newsletter	Int'l Organisation for Industrial Hazard Management	Latest issue
Maritime Executive Magazine	Often contains articles of interest to the spill response community	Current issue
MED News	UNEP / MAP Barcelona Convention News	April 2021
MOIG Newsletter	News from the Mediterranean Oil Industry Group	May 2021
NCEC Newsletter	News from the National Chemical Emergency Centre	December 2020
Navigate Response	Global crisis communications network for shipping & marine	Current issue
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	Current issue
OHMSETT Gazette	Oil Spill Response Research & Renewable Energy Test Facility Quarterly	Autumn 2020
Oiled Wildlife Log	Bi-annual Newsletter from Tri-State Bird Rescue & Research	May 2021
OSPAR Newsletter	Protecting & Conserving the N.E. Atlantic and its resources	End of year 2019
PEMSEA Newsletter	Healthy oceans, people and economies in the East Asian Seas	Current issue
Pollution Online Newsletter	News for pollution prevention & control professionals	Current 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
Society of Maritime Industries	News from the UK's maritime engineering and business services sector.	April 1, 2021
Spill Alert	Quarterly Newsletter from UK & Ireland Spill Association	December 2020
Technology Innovation News Survey	News from US EPA – Contaminated Site Decontamination	April 1-15, 2021
The Maritime Advocate	Maritime News from Sandra Speares	Current issue
UNEP News	Latest News from United Nations Environmental Programme	Latest News
USA EPA Tech Direct	Remediation of contaminated soil and groundwater	June 1, 2021
USA Federal Contract Opportunities	The authoritative source for federal contract opportunities	May 23-30, 2021
Water Pollution & Flood News	Monthly round-ups of UK & Worldwide Spill and Flood News	Free on request

Your editor depends on regular receipt of updated URL links for listed publications. If these are not received, relevant entries will be discontinued. Publishers are kindly requested to advise the editor john.mcmurtrie@spillcontrol.org if any links are not up-to-date.

SRI LANKA: CONTINUING REPORTS ON THE X-PRESS PEARL

REPORTS FROM X-PRESS PEARL - INCIDENT INFORMATION CENTRE <https://www.x-presspearl-informationcentre.com/>

Other Press Reports are given below – Click on the names of the highlighted publications.



May 30 - Fire Nearly Burned Out on X-Press Pearl; Towing Operation Possible [gCaptain](#)

May 31 - X-Press Pearl salvors mull boarding as Sri Lanka eyes pollution claim [Economy Next](#)

May 31 - An initial survey of the vessel said that the hull, so far, has remained intact. [The Maritime Executive](#)

May 31 - Sri Lanka faces plastic pellet problem from stricken ship [Mongabay](#)

June 1 - Salvage Team Boards X-Press Pearl [gCaptain](#)

June 1 - Fire Out on X-Press Pearl as Sri Lanka Orders Tow Out to Sea [The Maritime Executive](#)

June 2 - Burnt-out container ship sinks in sea; Sri Lankan Navy bracing for possible oil spill [The Economic Times](#)

June 2 - The vessel has already left the country's coastline covered in tons of plastic pellets [AOL](#)

June 2 - Salvors attached a tow wire to the bow of the burned out ship, but efforts to tow it failed. [gCaptain](#)

June 3 - Not much to worry about Oil spill – some or all fuel in tanks burned out. [Maritime Bulletin](#)

June 3 - ITOPF attends containership incident in Sri Lanka [ITOPF](#)

June 3 - X-Press Pearl Slowly Settles to the Bottom [The Maritime Executive](#)

June 4 - Expert opinion is that bunker oil may have burnt out, but we are preparing for the worst-case scenario. [France 24](#)

June 4 - No reports of fuel oil pollution. [Asia News](#)

June 5 - Fishing has been banned along about 80km (50 miles) of coastline. [Sky News](#)

June 6 - Sri Lanka recovers black box from sinking ship [Gulf Times](#)

June 6 - Oil Spill Response Limited (OSRL) said that it has been mobilised in Sri Lanka. [Colombo Gazette](#)

June 6 - 584 tonnes of plastic pellet debris from the sinking ship collected from nine-kilometre of coastline [Sunday Times LK](#)

June 6 - "X-Press Pearl could have been saved if the acid leak was fixed before it sailed to Colombo" [News in Asia](#)

AUSTRIA: RUSTY CONTAINER CAUSES OIL SPILL IN LAKE

May 30 - Oil has spilled into a lake in Austria during cleaning works, police in Salzburg said on Sunday. According to the statement, a steel container began leaking as it was being removed from the Lake Wolfgang near Salzburg and caused the spill. The fire brigade immediately placed containment barriers around the patch of oil and sprayed it with a binding agent to keep it from spreading.

A specialist company was hired to siphon off the oil in an area of about 30 square kilometres [Sify.com](#) / [Read more](#)

IRAN'S LARGEST NAVAL SHIP BURNS AND SINKS IN THE GULF OF OMAN



June 2 - A vessel reported to be the largest in the Iranian Navy caught fire and sunk in the Gulf of Oman near Iran's southern port of Jask. The supply ship Kharg was reportedly operating a training exercise in international waters not far from the Strait of Hormuz. The Iranian Navy said that 400 personnel were evacuated by ship and helicopter, with only 20 sailors suffering minor injuries.

The Kharg had a checkered history as the vessel was ordered by the Shah of Iran in 1974 to be built by the British shipyard Swan Hunter. The design was based on an oiler, although modified to also operate as a supply ship transporting munitions and other supplies. The Maritime Executive / [Read more](#)

USA: OIL SPILL REPORTED AT GOLDEN RAY WRECK SITE

June 2 - The Unified Command overseeing the wreck removal of the Golden Ray has reported an oil spill that personnel were working to mitigate to both on water and along the shoreline in St. Simons Sound.

The St. Simons Sound Incident Response said the discharge occurred Tuesday as ongoing cutting operations are underway for Section Three. Mitigation efforts focused on the shoreline and in the vicinity of the wreck site. gCaptain / [Read more](#)

USA: SALVORS PREPPING TO RAISE SEACOR POWER IN GULF OF MEXICO

Photo: The SEACOR Eagle is staged with gear near the SEACOR Power May 1, 2021 off Port Fourchon, Louisiana. The vessel is being used as platform to assist in salvage and pollution response operations. U.S. Coast Guard photo by Petty Officer 2nd Class Brendan Freeman



June 4 - A salvage team is continuing preparations to raise the sunken Seacor Power lift boat in the Gulf of Mexico.

Crews last month completed the removal of approximately 20,363 gallons of diesel fuel from the SEACOR Power using the hot tapping method, which involved drilling into the fuel tanks, making a hose connection, and transferring

the fuel to portable tanks. Remaining on board is approximately 4,500 gallons of hydraulic fluid in tanks that are inaccessible but not comprised, so therefore it will remain on board until after the vessel is raised. gCaptain / [Read more](#)

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