



ISCO & THE ISCO NEWSLETTER

The International Spill Control Organization, a not-for profit organization dedicated to raising worldwide preparedness & co-operation in response to oil and chemical spills, marine & freshwater pollution by plastics, promoting technical development and professional competency, & 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 & observer Status at the International Oil Pollution Compensation Fund

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- Ms Mary Ann Dagleish, VP M'ship (USA)
- Mr John Wordrop (Australia)

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- Mr Marc Shaye (USA)
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INTERNATIONAL & REGIONAL NEWS

PLEASE CLICK ON THE BANNERS BELOW FOR MORE INFORMATION



MARITIME SAFETY IN AN ERA OF NEW TECHNOLOGIES AND ALTERNATIVE FUELS CENTRAL TO IMO WORLD MARITIME THEME FOR 2024.

"Navigating the future: safety first!" has been selected for the International Maritime Organization's 2024 World Maritime Theme, which will culminate in the celebration of World Maritime Day on 26 September 2024.

The theme reflects IMO's work to enhance maritime safety and security, in tandem with the protection of the marine environment, whilst ensuring its regulatory development process safely anticipates the fast pace of technological change and innovation. IMO / [Read more](#)

NEW GLOBAL FUND 'WELCOME BOOST' TO SAFEGUARDING BIODIVERSITY

A new global environmental fund marks a major step towards securing the wellbeing of biodiversity in developing countries and will help to ensure sustainable utilization of their natural resources, the UN Food and Agriculture Organization (FAO) said on Friday. The [Global Biodiversity Framework Fund](#), launched at the [Global Environmental Facility Assembly](#) in Vancouver, Canada, will support the implementation of the landmark [Kunming-Montreal Global Biodiversity Framework](#), which aims to halt and reverse biodiversity loss by 2030 and guide nature towards recovery by 2050. UN / [Read more](#)

NEW STANDARDS FOR OIL LABORATORIES DEALING WITH OIL SPILL RESPONSE

ASTM International's hazardous substances and oil spill response committee (F20) has approved two new standards that will each enhance knowledge essential for oil spill response. The new standards will be used primarily by oil laboratories. Petro-Online / [Read more](#)

ISCO AMBASSADORS

(Members with special responsibilities in specified geographical areas)

Carlos Sagrera Latin America (Spanish speaking)
Matthew Sommerville UK London
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INTERNATIONAL & REGIONAL NEWS (CONTINUED)

WINNERS OF INCLUSIVE GEF ASSEMBLY CHALLENGE PROGRAM ANNOUNCED IN VANCOUVER

The Global Environment Facility has selected 23 civil society organizations as winners of its Inclusive GEF Assembly Challenge Program, a novel initiative reflecting a commitment to support and elevate community-driven climate and nature projects and the unique contributions of Indigenous Peoples, women, girls, and young people across the GEF partnership. They span 26 countries including Antigua and Barbuda, Belize, Bolivia, Cameroon, China, Colombia, Costa Rica, Democratic Republic of Congo, Ecuador, Haiti, India, Kenya, Kiribati, Madagascar, Mexico, Nigeria, Peru, Sierra Leone, Somalia, South Africa, South Sudan, St. Vincent and the Grenadines, Tanzania, Thailand, Tunisia, and Uganda. The GEF / [Read more](#)

MORE THAN 6,000 POLLUTED SITES FESTER ACROSS AMAZONIAN COUNTRIES

A joint investigation by Mongabay Latam, La Barra Espaciadora, Cuestión Pública and El Deber looked into the impacts of oil industry activity in Ecuador, Colombia, Bolivia and Peru. Although more than 8,000 contaminated sites have been identified by the various governments, most of them have not been cleaned completely. Our journalists found forgotten oil pits, contaminated soil, abandoned oil wells, and wetlands covered in crude oil across Amazonian territories. Mongabay / [Read more](#)

OIL TRANSFER FROM "TIME-BOMB" FSO SAFER COMPLETED BUT MORE WORK REMAINS



Photo courtesy of Boskalis - Replacement tanker alongside the FSO Safer with the support vessel for the team from SMIT

August 11 - The next phase calls for SMIT Salvage to clean the tanks aboard the Safer to remove as much of the residue as possible. Boskalis estimated the work will be done in approximately a week while UNDP officials said they were allotting two to three weeks for additional operations. The sediments will also be stored on the MOST Yemen.

David Gressly who led the UN system-wide effort on the Safer since September 2021 also noted that they still need to install a CALM buoy to which the MOST Yemen will be attached. The plan calls for the vessel to remain off Yemen to store the oil while SMIT will prepare the Safer for green recycling under the responsibility of the UN. The Maritime Executive / [Read more](#)

MARPOL – EU LEGISLATION AND DIRECTIVE RELATED TO WASTE THRESHOLD LIMITS

Over the past two decades, the MARPOL Convention and its Annexes have undergone amendments to impose stricter restrictions and prohibitions on waste discharges from ships at sea. These changes have necessitated greater adherence to environmental standards and fostered the adoption of innovative technologies and practices to minimise waste discharges.

Despite guidance provided by the International Maritime Organization (IMO) on port reception facilities and their users, instances of waste discharges at sea still occur, leading to environmental damage. One significant contributing factor is the lack of sufficient port reception facilities, which hampers the effective delivery of waste ashore. Additionally, the lack of significant incentives to promote the delivery of waste to shore worsens the problem even more. Hellenic Shipping News / [Read more about EU legislation](#)



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27 October 2023

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PROGRESS ON REFORMATION OF ISCO

Following on extended discussions within the ISCO Executive Committee and Interim Executive significant progress has been made. The Executive Committee has determined that ISCO should transition to becoming a Private Company Limited by Guarantee. A paper giving the reasons why this decision has been taken and the implications for ISCO Members will be circulated to all Members as soon as possible.

NURDLES SPILLS IN COASTAL AND MARINE ENVIRONMENTS WORKSHOP

ISCO Executive Committee Member, Dr Larissa Montas, has been invited to participate in this workshop. The in-person workshop is sponsored by NOAA's Office of Response and Restoration (OR&R) and the Disaster Preparedness Program, and hosted by the University of New Hampshire's Coastal Response Research Center. The workshop takes place on 6-7 September 2023 and more details are provided within the Nurdles Section in this issue of the ISCO Newsletter.

NEWS FROM AROUND THE WORLD

BRAZIL: IBAMA PARTICIPATES IN THE 29TH EDITION OF THE INTEGRATED GENERAL EXERCISE ON EMERGENCY RESPONSE AND NUCLEAR PHYSICAL SECURITY, HELD IN ANGRA DOS REIS (RJ)

August 24 - Last week, IBAMA participated in the 29th edition of the Integrated General Exercise on Emergency Response and Nuclear Physical Security, held in Angra dos Reis (RJ). The event mobilized about 60 institutions from the three spheres of government (municipal, state and federal) and was attended by more than 1,200 people, including residents of the region. IBAMA / [Read more](#)

CANADA: B.C. BOLDLY TARGETS SINGLE-USE PRODUCTS (PLASTIC OR NOT) IN NEW REGULATION

July 14 - On July 14, 2023, British Columbia ("B.C.") introduced the [Single-Use and Plastic Waste Prevention Regulation](#) (the "Regulation") under the [Environmental Management Act](#) (the "Act"). The Regulation prohibits the distribution and sale of single-use items within B.C. with a particular focus on products used in the food service industry. While the Regulation specifically targets compostable, biodegradable and oxo-biodegradable plastic products, the prohibitions capture many non-plastic single-use products as well. Mondaq / [Read more](#)

CANADA: CANADIAN BRINGS A SPOTLIGHT TO GLOBAL ENVIRONMENTAL ACTION TO HELP DEVELOPING COUNTRIES

August 24 - When environmental leaders from around the world gather in Vancouver for the Global Environmental Facility (GEF) Assembly from August 22 to 25, it will be a milestone event for Canada and a poignant moment for Tom Bui, Director of Environment at Global Affairs Canada. International GC Ca / [Read more](#)

CHILE: MARITIME AUTHORITY SUPERVISED POLLUTION CONTROL EXERCISE ORGANIZED BY EPAUSTRAL

August 25 - The activity, which had the support and supervision of the Captaincy of the Port of Punta Arenas, is part of the annual planning of the Crisis Committee of the port company. This Wednesday, August 23, an exercise was held at the José de los Santos Mardones Pier of the Austral Port Company to evaluate the contingency plan designed to deal with an oil spill. Directemar / [Read more](#)

CHINA: MEASURES OF CANGZHOU CITY ON THE SUPERVISION AND ADMINISTRATION OF SHIP POLLUTANTS

August 18 - Article 1 In order to protect the marine environment, these Measures are formulated in accordance with the Marine Environment Protection Law of the China and in the light of local conditions. Article 2 These Measures are applicable to the supervision of ship pollutants in the coastal waters of Cangzhou City. The wharf and operation areas open to foreign flag ships in the coastal waters of Cangzhou City is Huanghua Port and its four anchorages. Shore Facility / [Read more](#)

COLOMBIA: ENERGY COMPANY EVADES OIL CLEAN UP AS SPILLS CONTINUE TO CONTAMINATE COLOMBIAN TOWN

August 17 - Oil activity in the town of Puerto Boyacá in Colombia is responsible for 109 contaminated sites, 37 of which have been

caused by the company Mansarovar Energy, according to data from Colombia's National Authority for Environmental Licencing (ANLA). Mongabay Latam and Rutas del Conflicto carried out a visit to the region to see the damage firsthand and hear stories of local inhabitants.

Oil spills have polluted an important wetland, led to a 90% loss in fish and contaminated farmland — sparking a legal backlash by fishers and farmers who say their livelihoods have been gravely impacted. Although lawsuits over the damage caused to the local ecosystem and the region's bodies of water have been filed by local inhabitants, fishers, farmers and even the municipal authorities of Puerto Boyacá, no work has yet been carried out to restore the contaminated sites by the company. Mongabay / [Read more](#)

GABON REFINANCES PART OF ITS INTERNATIONAL DEBT FOR MARINE CONSERVATION



Above: Gabonese authorities remove turtle bycatch from a net during an enforcement boarding aided by Sea Shepherd, 2017 (Photo courtesy of Sea Shepherd)

August 30 - Gabon has finalized refinancing \$500 million of its national debt for marine protection purposes, part of a rising trend of “debt-for-nature swap” transactions. The debt swap - equivalent to about four percent of Gabon's debt - will unlock \$5 million each year in the next 15 years. Ultimately, it will create an endowment expected to grow to around \$88 million by 2038 to fund ocean conservation in Gabon. The Maritime Executive / [Read more](#)

GHANA: GPHA'S OIL SPILLAGE RESPONSIVENESS PREPAREDNESS IMPRESSIVE – EPA

August 30 - The Environmental Protection Agency (EPA) and its Norwegian Partners have described the preparedness of the Ghana Ports and Harbours Authority's (GPHA) oil spillage responsiveness as impressive. This came up when the GPHA participated in the National Oil Spill Equipment Inventory Exercise, which allows the EPA and its Norwegian technical partners to assess the capabilities and preparedness of on-shore and off-shore facilities and resources in the country to tackle oil spills. Ghana Business / [Read more](#)

INDONESIA: TRASH TO TREASURE: INDONESIAN FIRM TURNS PLASTIC INTO BRICKS

August 19 - Ovy Sabrina fights plastic waste in Indonesia by spreading noodle packets, coffee sachets, straws and other trash around the sprawling archipelago - entombed in eco-friendly bricks. Her family knows not to stand in her way on environmental issues, especially five years ago when she came up with the idea of making bricks using single-use plastic to counter pollution and the capital Jakarta's high-emissions building boom. Financial Express / [Read more](#)

IRELAND: EPA CALLS FOR MEASURES TO URGENTLY TACKLE PACKAGING WASTE GENERATION

August 24 - Ireland generated 1.2 million tonnes of packaging waste in 2021. Ireland is continuing to achieve high levels of recycling for glass (84 percent) and paper/cardboard (73 percent). Plastics present a serious challenge. Only 28 percent of plastic packaging waste was recycled in 2021, a long way off the 2025 EU target of 50 percent. The majority of Ireland's plastic packaging waste is being incinerated.

NEWS FROM AROUND THE WORLD (CONTINUED)

Ireland's overall recycling rate fell from 62 percent in 2020 to 58 percent in 2021. It must reach 65 percent in 2025. Fiscal measures to incentivise householders and businesses are also urgently needed. The new levy on waste sent for recovery, and increases to the landfill levy, will reward better practices of segregation of waste. EPA / [Read more](#)

JAPAN: IAEA MONITORING TREATED WATER RELEASE FROM FUKUSHIMA NUCLEAR PLANT

August 24 - Japan has begun discharging treated radioactive wastewater from the disabled Fukushima Daiichi Nuclear Power Station into the Pacific Ocean, 12 years on from the major meltdown there, the International Atomic Energy Agency (IAEA) confirmed on Thursday. Experts from the UN nuclear watchdog were present to monitor and assess that all relevant international safety standards were applied, as part of a multiyear review of a process that could last for decades. The decision to release the water into the sea has sparked criticism in Japan and the region. UN / [Read more](#)

UK: 2 EXCEL AVIATION TRANSFERS OIL SPILL RESPONSE BASE TO LONDON SOUTHEND

August 20 - British aviation and aerospace services business, 2 Excel Aviation has begun the transfer of its Oil Spill Response units from Teesside Airport (MME) to London Southend Airport (SEN). G-OSRB marked the first of 2 Boeing 727-200s set to be based at the airport, after completing a – leg flight from Djibouti, Ethiopia with a short stop in Chania, Greece. Aviation Source News / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

August 28 – Please click on the links below to download and read the latest news from NOAA OR&R

Bipartisan Infrastructure Law Grant Opportunities for Marine Debris Projects

On August 1, the NOAA Marine Debris Program announced two Fiscal Year 2024 NOAA Marine Debris notices of funding opportunity for both Marine Debris Removal and Interception Technologies under the Bipartisan Infrastructure Law.

\$5.38 Million Pollution Settlement Finalized for Gloucester Harbor, MA

On August 24, 2023, [a \\$5.38 million settlement was finalized](#) to restore natural resources impacted by contaminants discharged along the Gloucester, Massachusetts waterfront. The pollution came from a [manufactured gas plant](#) that operated along the Gloucester waterfront between 1854 and 1952. Manufactured gas plants often yielded by-products of the gas production process such as tars, sludges, and oils.

OR&R Publishes New Guidance for Spill Responses Involving Sargassum

OR&R recently published a new report, [Oil Spills and Pelagic Sargassum](#), to assist those who work in oil spill response and planning where pelagic (open ocean) *Sargassum* is at risk from, or may interact with, oil spills.

12th Annual Great Hudson River Estuary Fish Count

Each year, for the past 12 years, the New York State Department of Environmental Conservation hosts the Great Hudson River Estuary Fish Count. This year the event took place at nine sites, including Lemon Creek Park on Staten Island.

USA: EPA'S NEW DEFINITION OF PFAS COULD OMIT THOUSANDS OF 'FOREVER CHEMICALS'

August 18 - The US Environmental Protection Agency (EPA) office responsible for protecting the public from toxic substances has changed how it defines PFAS for a second time since 2021, a move critics say they fear will exclude thousands of "forever chemicals" from regulation and largely benefit industry. Instead of using a clear definition of what constitutes a PFAS, the agency's Office of Pollution Prevention and Toxics plans to take a "case-by-case" approach that allows it to be more flexible in determining which chemicals should be subjected to regulations. The Guardian / [Read more](#)

USA: CSB CALLS ON CHEMICAL COMPANIES TO PREPARE FOR HARSH HURRICANE SEASON

August 21 - Following the National Oceanic and Atmospheric Administration's (NOAA) recent outlook predicting "above average" activity for the remainder of the 2023 Atlantic hurricane season., the U.S. Chemical Safety and Hazard Investigation Board (CSB) is urging the chemical industry to act now to prepare for potentially more frequent and more powerful hurricanes and other extreme wind events in the months ahead. CSB / [Read more](#)

USA: BIDEN TIGHTENS OFFSHORE RIG SAFETY RULES ROLLED BACK BY TRUMP

August 23 - The Biden Administration is toughening the rules on well integrity and blowout prevention at offshore oil and gas rigs that were loosened under former president Donald Trump.

The Department of the Interior's Bureau of Safety and Environmental Enforcement (BSEE) published on Tuesday the final well control rule, which strengthens testing and performance requirements for blowout preventers and other well control equipment, BSEE said in a [statement](#). Oil Price / [Read more](#)

NEWS FROM AROUND THE WORLD (CONTINUED)

USA: TO CONFORM WITH RECENT SUPREME COURT DECISION, EPA AND ARMY AMEND “WATERS OF THE UNITED STATES” RULE

August 29 - Today, the U.S. Environmental Protection Agency (EPA) and the U.S. Department of the Army (the agencies) announced a final rule amending the 2023 definition of “waters of the United States” to conform with the recent Supreme Court decision in Sackett v. EPA. The agencies are committed to following the law and implementing the Clean Water Act to deliver the essential protections that safeguard the nation’s waters from pollution and degradation. This action provides the clarity that is needed to advance these goals, while moving forward with infrastructure projects, economic opportunities, and agricultural activities.

While EPA’s and Army’s 2023 rule defining “waters of the United States” was not directly before the Supreme Court, the decision in Sackett made clear that certain aspects of the 2023 rule are invalid. The amendments issued today are limited and change only parts of the 2023 rule that are invalid under the Sackett v. EPA decision. For example, today’s final rule removes the significant nexus test from consideration when identifying tributaries and other waters as federally protected. EPA / [Read more](#)

USA: USCG DRONE PILOTS RECEIVE TRAINING FOR OIL SPILL MAPPING

August 29 - The US Office of Response and Restoration (OR&R) has announced that it has been helping to train US Coast Guard (USCG) drone pilots responding to oil spills. The OR&R said that the training for the drone – or Uncrewed Aircraft System (UAS) – pilots was conducted both on land and on the water in late July. Bunker Spot / [Read more](#)

YEMEN: SALVAGE TEAM DEPARTS FSO SAFER AFTER COMPLETING OIL TRANSFER PROJECT

August 29 - The salvage team in the UN-led effort to remove the oil from the dilapidated FSO Safer departed the site on Monday, August 29, marking the completion of the project. During the last two weeks, the tanks aboard the Safer were scraped and cleaned to remove as much residue as possible. The material was also transferred to the replacement tanker Nautica which had been acquired from Euronav and was renamed Yemen by the local government after the UN transferred the ship to Yemen. UN officials highlighted that they still need to raise an additional \$22 million beyond the \$120 million already committed to the project. They are awaiting the delivery of a new mooring buoy that will be installed for the Yemen. They also need to arrange for the towing and scrapping of the FSO Safer. Experts working with the UN previously determined that the Safer was beyond repair and in imminent danger of a structural failure. The Maritime Executive / [Read more](#)

PEOPLE IN THE NEWS

PROFESSOR CHRIS BATTERSHILL HONOURED FOR DEDICATION TO MARINE CONSERVATION



The world-renowned marine scientist has been honoured for his significant contributions to marine science with a prestigious New Zealand Marine Science Society Life Achievement Award.

The University of Waikato Professor and BOPRC Chair of Coastal Science says “This honour was totally unexpected, I mean totally. I am humbled to say the least, and yet there is still so much more to achieve, especially as our coasts and oceans are under unprecedented stress.” Scoop / [Read more](#)

ITOPF WELCOMES NEW TECHNICAL ADVISER, CRYSTLE WEE

ITOPF is delighted to welcome Crystle Wee to the Asia-Pacific team as a Technical Adviser based in Singapore. Crystle holds an MSc in Biodiversity Conservation and Nature-based Climate Solutions, as well as a Bachelor of Environmental Studies (Biology) with a minor in Aquatic Ecology from the National University of Singapore.

Her primary area of expertise lies in marine ecology, specifically in coral reef restoration and recovery from anthropogenic impacts. ITOPF / [Read more](#)



ANNOUNCEMENT

DR SARAH RICHARDS AWARD

The Dr Sarah Richards Award has been established by ALGA to honour Dr Sarah Richards, a geoenvironmental engineer, contaminated land and groundwater practitioner and ALGA President, who passed away on 24 May 2023. Sarah’s career expanded 28 years, which included returning to higher education to complete her PhD. Sarah was a strong advocate for continued research in the contaminated land and groundwater field. The successful candidate must be able to demonstrate that they will utilise the funds to either continue or commence research in the field, and personally reflect many of the attributes displayed by Sarah as a highly respected practitioner. ALGA / [More information](#)

NEWS FROM ISCO MEMBERS – AN ISCO MEMBERSHIP BENEFIT

Corporate Members of ISCO can benefit by submitting news about new products and services in the “News from ISCO Members” section of the ISCO Newsletter. This is a free facility for Members. Given that the ISCO Newsletter has a large and highly targeted readership in over 60 countries, it’s a cost-effective way to promote your company. If you have some news you would like to share with readers of the ISCO Newsletter, send it to John.McMurtrie@spillcontrol.org. Members who would like to place a regular advertisement in the ISCO Newsletter can also benefit from preferential discounted rates. For more info please contact Mike Watson at mike@mwadigital.com. He will be happy to help you.

NURDLES - PREVENTION, CLEAN-UP TECHNOLOGY AND ONGOING R&D WORK



The ISCO Executive Committee is looking into how our organisation can assist by co-operating with others in promulgating better prevention and response capabilities that can be adopted on a worldwide basis.

Readers of the ISCO Newsletter are invited to contribute information that can be shared within our community and help to improve our capability to counter this pollution in more effective ways.

ISCO Committee Member, Dr Larissa Montas, is a contributor to this section in the ISCO Newsletter. She has been invited to attend this Workshop and a report will be published in due course.



NURDLES SPILLS IN COASTAL AND MARINE ENVIRONMENTS WORKSHOP

Photo credit: NOAA

SEPTEMBER 6 & 7, 2023

NOAA Center for Weather & Climate Prediction

University of Maryland, College Park

DRAFT (8/2/23) AGENDA

Workshop Objectives:

- Understand what nurdles are and how, where, and in what form they are shipped.
- Understand the fate and transport of spilled nurdles in ocean and coastal environments.
- Identify the threats that a major nurdle spill poses to the marine environment and coastal communities.
- Evaluate nurdles case studies for challenges and lessons learned.
- Explore response options for major nurdles events.
- Discuss next steps.

[Click here to view the full workshop agenda and other details](#)

A COLUMN CREATED BY DR. MERV FINGAS, MEMBER OF ISCO COUNCIL FOR CANADA



This is part of a weekly column which provides the references and abstracts of new peer-reviewed scientific publications on oil spills. These references are selected on the basis of those papers that provide new insights into the fate, effects and control of oil spills. Readers may choose to obtain the full publications and to do so, one of three methods is suggested; contact your library, search the internet with the DOI (digital object identifier) provided, or search the internet for the exact title. These are given in the order of likely success in obtaining the article. Merv Fingas, ISCO Colleague.

210. Simulation of Oil Spills in Inland Rivers

Kang C., Yang H., Yu G., Deng J., Shu Y.
(2023) *Journal of Marine Science and Engineering*, 11 (7), art. no. 1294,
DOI: 10.3390/jmse11071294

ABSTRACT: The shipping volume in inland waterways has been rapidly increasing in recent years. However, it is still challenging to trace oil spills caused by maritime accidents. In this study, the oil spill dispersion trajectory in inland rivers was obtained by simulating the trajectory of oil particles under different waterway conditions based on a simulated flow field. Firstly, the flow field was simulated using a volume of fluid (VOF) model and the solution of an open-channel equation. Then, an oil particle diffusion and drift model was established using Python to simulate the diffusion of the oil. Finally, eight oil spill simulation scenarios were conducted with different channel shapes and cross-sections. The results showed that oil spills spread more extensively in a curved channel with a trapezoidal cross-section compared to other channel shapes and cross-sections. The findings of this research could be used to guide inland river environmental protection and oil spill trajectory tracking.

211. Fishery Closures, More Than Predator Release, Increased Persistence of Nearshore Fishes and Invertebrates to the Deepwater Horizon Oil Spill

Oken K.L., Able K.W., de Mutsert K., Fodrie F.J., López-Duarte P.C., Martin C.W., McCann M.J., Olin J.A., Polito M.J., Roberts B.J., Jensen O.P.
(2023) *Estuaries and Coasts*,
DOI: 10.1007/s12237-023-01246-2

ABSTRACT: The Deepwater Horizon disaster released 4.9 million barrels of oil into the Gulf of Mexico. Despite clear evidence of exposure and toxicity, there has been little evidence of population-level declines of most nearshore fish and invertebrate populations. Several hypotheses have been proposed to explain this paradox. Two possibilities include a fishing moratorium following the spill and reductions in predation pressure following predator die-offs. We tested both using mass-balance food web models to quantify direct and indirect population sensitivity to perturbations in fishing pressure and bird and dolphin mortality. In doing so, we developed a new method allowing us to quantify responses of one functional group to changes in fishing pressure across all fished groups. We inferred support for a compensatory mechanism, either release from fishing or predation, when populations modeled without any oil-induced mortality displayed large increases to negative perturbations in fishing or predation. We found the fishing moratorium to be the most likely potential mitigating mechanism, especially for penaeid shrimp, menhaden, and blue crabs. Dolphin mortality may explain the stability of small sciaenids. Increased seabird mortality did not lead to major changes in any functional group we examined. The consideration of indirect trophic pathways within the food web model produced a wide range of plausible population responses, especially responses to increases in predator mortality. Broadly, this work shows that oil spills are one driver of population dynamics within a broader socioecological system, and understanding oil spill impacts on populations requires consideration of this complexity.

212. Analysis of Petroleum Products Spill Potential Impact (Gasoline and Diesel Fuels) on Soil Fertility Quality Around Pertamina Rewulu-Cilacap Pipeline Bantul-Yogyakarta

Muthohharoh T., Latumahina L.J., Suyanta, Suherman
(2023) *Molekul*, 18 (2), pp. 170 - 177,
DOI: 10.20884/1.jm.2023.18.2.5402

ABSTRACT: This research focused on analyzing the potential impact of petroleum products spill (gasoline and diesel fuels) on soil fertility quality around PERTAMINA Rewulu-Cilacap Pipeline Bantul, Yogyakarta. The objectives of this study were to analyze the change of soil fertility parameters that are contaminated by gasoline and diesel fuel oils, compared to uncontaminated soil as control. Soil samples were collected from Pertamina Rewulu-Cilacap around the pipeline. Some physico-chemical properties that reflect soil fertility were determined using standard physico-chemical methods and Total Petroleum Hydrocarbon (TPH) using Gas Chromatography. Soil samples were divided into three points (I, II, and III) based on taken places. The study started with analysis of physical and chemical properties of the soil, then petroleum products (gasoline and diesel) were added to the soil samples. The contaminated soil and control then analyzed for identify the fertility quality and TPH content. The results showed that petroleum product contamination increases N, P, and reduces K concentrations in the soil. The sample in point III had the highest values of TPH concentration without any additional petroleum products. After addition of a dose of 13% gasoline, the concentration of TPH in point I, II, and III increased by 0.036%, 0.08% and 0.008%. With the addition of 15% diesel in the sample, the TPH concentration of point I, II, and III increased by 0.892 %, 1.198%, and 0.91%.

213. Year-Round Testing of Coastal Waters of the Gulf of Gdańsk in the Baltic Sea for Detecting Oil in a Seawater Column Using the Fluorescence Method

Baszanowska E., Otremba Z.
(2023) Sustainability (Switzerland), 15 (13), art. no. 9898,
DOI: 10.3390/su15139898

ABSTRACT: Progressive climate changes and the increase in the occurrence of extreme weather phenomena indicate the need to take action to mitigate the negative effects of climate change. One of the main factors affecting climate change is the state of waters that transport heat. Oil pollution present in the water contributes to the absorption of radiation and physico-chemical changes in the sea, which has an impact on the marine ecosystem. This indicates the need to develop methods for effective oil spill detection. This study aimed to improve the methods of early detection of threats related to oil spills in the marine environment, especially when the source of oil may be invisible in the depths of the sea. Therefore, the method based on the fluorometric index is proposed, and its effectiveness for oil detection in seawater is studied. The study has answered the question of how biological activity during a whole year influences the effectiveness of oil detection by the proposed fluorometric index method. Therefore, for the calculation of the fluorometric index, the changes in the seawater fluorescence spectrum in the ultraviolet range were determined, which occurred under the influence of diffusion of some oil components in the sea. The principle of detection of oil contaminants based on the excitation-emission fluorescence spectrum is described. For the measurements, natural seawater samples used in the laboratory were exposed to a mixture of crude oil and oils commonly found in navigation. The effectiveness of oil substance detection using the fluorometric index in the biologically productive and unproductive seasons was analyzed for seawater in the vicinity of Gdynia and Gdansk ports in Poland in northern Europe. The results of excitation-emission spectra and fluorometric index indicate that the changes in the biological activity during the year do not affect the detectability of oil present in seawater for the considered oil-to-water ratio. Summarize the sensitivity analysis of the method indicates the possibility of detection of oil contamination regardless of the season. The obtained results pave the way for the construction of an underwater device to detect oil in the vicinity of such a detector.

214. Research on oil boom performance based on Smoothed Particle Hydrodynamics method

Liu J., Jiao P., Xu Y.
(2023) PLoS ONE, 18 (7 July), art. no. e0289276,
DOI: 10.1371/journal.pone.0289276

ABSTRACT: To address the issues of fluid-solid coupling, instability in the liquid two-phase flow, poor computational efficiency, treating the free surface as a slip wall, and neglecting the movement of oil booms in simulating oil spill containment, this study adopts the Smoothed Particle Hydrodynamics (SPH) method to establish a numerical model for solid-liquid coupling and liquid two-phase flow, specifically designed for oil boom containment and control. The DualSPHysics solver is employed for numerical simulations, incorporating optimized SPH techniques and eight different skirt configurations of the oil boom into the numerical model of two-phase liquid interaction. By setting relevant parameters in the SPH code to enhance computational efficiency, the variations in centroid, undulation, and stability of undulation velocity for different oil boom shapes are observed. The experimental results demonstrate that the improved oil boom exhibits superior oil containment performance. These findings provide a theoretical basis for the design of oil boom skirt structures.

215. Descriptive Analysis of the Healthcare Aspects of Industrial Disasters Around the World,

Tin D., Cheng L., Hata R., Hertelendy A.J., Hart A., Ciottone G.

(2023) Disaster Medicine and Public Health Preparedness, 17 (4), art. no. e400,

DOI: 10.1017/dmp.2023.64

ABSTRACT: Objective: Industrial disasters can have a myriad of repercussions ranging from deaths, injuries, and long-term adverse health impacts on nearby populations, to political fallout and environmental damage. This is a descriptive epidemiological analysis of industrial disasters occurring between 1995 and 2021 which may provide useful insight for health-care systems and disaster medicine specialists to better prevent and mitigate the effects of future industrial disasters. Methods: Data were collected using a retrospective database search of the Emergency Events Database (EM-DATS) for all industrial disasters occurring between January 1, 1995, and December 31, 2021. Results: A total of 1054 industrial disasters were recorded from 1995 to 2021. Most of these disasters occurred in Asia (720; 68.3%), with 131 (12.4%) in Africa, 107 (10.2%) in Europe, 94 (8.9%) in the Americas, and 2 (0.2%) in Oceania. Half of these disasters were explosions (533; 50.6%), 147 (13.9%) were collapses, 143 (13.6%) were fires, 46 (4.4%) were chemical spills, 41 (3.9%) were gas leaks, and 34 (3.2%) were poisonings. There were 6 (0.6%) oil spills and 3 (0.3%) radiation events. Conclusions: A total of 29,708 deaths and 57,605 injuries were recorded as a result of industrial disasters, and they remain a significant contributor to the health-care risks of both workers and regional communities. The need for specialized emergency response training, the potential devastation of an industrial accident, and the vulnerability of critical infrastructure as terror targets highlight the need to better understand the potential immediate and long-term consequences of such events and to improve health-care responses in the future.

SCIENCE & TECHNOLOGY (

If you are interested in new technology you will find it useful to visit Technology Innovation News Survey at <https://clu-in.org/products/tins/> and Tech Direct at <https://clu-in.org/techdirect/archive/>

HERE'S HOW A FORMER NASA ENGINEER HOPES TO CLEAN UP THE WORLD'S DIRTIEST WATERWAYS

A former NASA engineer who helped remove hazardous pollutants around the Kennedy Space Center in Florida is using the technology to clean up harmful toxins at some of the most contaminated groundwater sites around the world.

Sergie "Serg" Albino said his work as an environmental engineer was fundamental to founding ecoSPEARS, a clean-tech water remediation company that utilizes NASA's emulsified zero-valent iron filtration system — for which he was later given the exclusive license — to noninvasively and permanently clear waterways of dioxins, polychlorinated biphenyls, or PCBs, and per- and polyfluoroalkyl substances, or PFAS — also known as "forever chemicals."

He and his team see the SPEARS as an effective way to help clean the Anacostia River, one of the nation's most polluted waterways and one that is teeming with PCBs, dioxins, and other harmful contaminants that exceed federal limits. PCBs have immune, reproductive, endocrine, and neurological effects and may cause cancer and affect children's cognitive development, according to the CDC. Washington Examiner / [Read more](#)

BATTLING BLUE-GREEN ALGAE WITH BAMBOO BIOCHAR

There's been a problem lately with cyanobacteria, or blue-green algae, affecting Florida's lakes and waterways. Cyanobacteria are common in Florida's freshwaters, and many species can produce dangerous toxins.

James Gaspard at Biochar Now has developed an innovative method for controlling cyanobacteria without introducing additional toxic chemicals into the environment. Biochar is a type of charcoal produced through pyrolysis, or thermal decomposition, of organic biomass. Biochar Now uses waste wood or bamboo to produce its carbon. Biochar has many industrial uses, including water purification.

The material produced by Biochar Now is particularly effective at capturing certain pollutants from freshwater. Gaspard explains what makes his product distinct from other types of lake remediation techniques. Central Florida Agnews / [Read more](#)

UNDERSTANDING NANOTECHNOLOGY FOR ENVIRONMENTAL REMEDIATION

Nanotechnology has emerged as a revolutionary subject with immense potential for fixing environmental challenges effectively and successfully. By manipulating supplies on the nanoscale, scientists and researchers have made important developments in environmental remediation. This text explores the latest developments and improvements in nanotechnology that contribute to

SCIENCE & TECHNOLOGY (CONTINUED) (

tackling urgent environmental points. From air pollution management to wastewater remedy, nanotechnology gives promising options and brings us nearer to a sustainable future.

Nanotechnology entails the manipulation and management of matter on the nanoscale, usually between 1 and 100 nanometers. At this scale, supplies exhibit distinctive and enhanced properties, enabling them to work together with environmental contaminants successfully. Shepway Science / [Read more](#)

ANNOUNCEMENT



We are pleased to announce that the International Maritime Organization (IMO) and United Nations Environment Programme (UNEP), with support from the Government of Norway, are jointly hosting the third IMO-UNEP-Norway Innovation Forum on Thursday, 28 September 2023.

To learn more about this event click [here](#) to visit the Innovation Forum Website

TRAINING COURSES

Training Course Providers – Please check entries below and advise editor on any necessary updates

USEFUL LINKS

- INTERNATIONAL – IMO E-LEARNING PLATFORM [e-learning platform](#)
- AUSTRALIA – AMOSC - <https://amosc.com.au/training/>
- AUSTRALIA & NEW ZEALAND – ALGA - <https://landandgroundwater.com>
- CHINA - <http://www.sioetc.com>
- EUROPE – <https://www.emsa.europa.eu/newsroom/latest-news/item/3609-emsa-training-catalogue-2019.html>
- FRANCE - CEDRE - https://wwz.cedre.fr/en/content/download/10912/file/CalendrierFormation2023_EN.pdf
- UK & WORLDWIDE – OIL SPILL RESPONSE LTD. - <https://www.oilspillresponse.com/training/courses/>
- UK & WORLDWIDE – BRIGGS ENVIRONMENTAL SERVICES LTD. - <https://www.briggsmarine.com/services/training/>
- UK – NCEC HAZMAT ACADEMY – [More info](#)
- USA – TEXAS A&M UNIVERSITY – NATIONAL SPILL CONTROL SCHOOL <https://www.tamucc.edu/research/nscs/>
- USA – MPC, DETROIT - <https://marinepollutioncontrol.com/services/training-and-compliance>
- USA – ALLIANCE OF HAZARDOUS MATERIALS PROFESSIONALS - https://www.ahmpnet.org/events/event_list.asp
- USA - Elastec Fall Workshop, New Harmony, Indiana, 3-5 October 2023. [More Info](#)

Contaminated Sites Health & Safety Refresher (8-Hour Hazwoper) – From EcoNext – [More info](#)

Members who would like to be listed here, please contact your editor – john.mcmurtrie@spillcontrol.org

UPCOMING EVENTS

TO VIEW UPCOMING EVENTS CLICK ON [HTTPS://SPILLCONTROL.ORG/UPCOMING-EVENTS/](https://spillcontrol.org/upcoming-events/)

To see ALL of the posted events you will need to click on “LOAD MORE” at the foot of each opened “upcoming events” page. Event organisers are requested to notify ISCO immediately if a listed event is cancelled or postponed. Your Editor does his best to keep the 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. Please advise the Editor if any of the entries require correction or updating. If you are holding an event you would like to be featured here, please send details to John.mcmurtrie@spillcontrol.org

The listings below give only very basic details – To get access to all information visit <https://spillcontrol.org/upcoming-events/>

SEPTEMBER 2023

- WEBINAR – ExxonMobil Oil Spill Response Knowledge Transfer, “Oil Chemistry and Fates of Oil in the Sea”, Webinar 20, 5th September 2023
- USA – In-person Workshop – “NOAA & University of New Hampshire – “Nurdle Spills in Coastal & Marine Environments”, 6-7 September 2023
- UK – OSRL – “Subsea Well Response Forum” 6th September, Aberdeen, Lunch 1215-1300, Workshop 1300-1630

UPCOMING EVENTS (CONTINUED)

- AUSTRALIA – SPILLCON Conference & Exhibition, Brisbane, 11-15 September 2023
- WEBINAR – OSRL “Understanding the Oil Spill Landscape” 12th September, 1400-1500 BST
- AUSTRALIA – SPREP/IMO/ARPEL Workshop, “Developing Oil Spill Preparedness & Response Planning In Pacific Small Islands & other Developing States”, Brisbane, 15th – 17th September 2023
- WEBIBAR – CEDRE – “Projet CleanAtlantic”, 18th September (English language)
- UK – International Conference on Environmental Pollution & Remediation, 19-20 September, NEC Birmingham
- BAHREIN – OSRL – “Middle-East Member Forum” 25th September, Bahrain
- WEBINAR from UK & Ireland Spill Association – “Inland Spill Equipment Selection for Spill Responders”, 27th September, 1500 to 1630 BST USA – Elastec Fall Workshop. New Harmony. Indiana, 3-4 October 2023
- WEBINAR from UK & Ireland Spill Association – “Sustainability in Spill Response, Webinar 4”, 20th September 2023, 1500 – 1630 BST

OCTOBER 2023 & ONWARDS

- WEBINAR – ExxonMobil Oil Spill Response Knowledge Transfer, “Environmental Effects of Oil in the Sea”, Webinar 21, 3rd October, 2023
- MALAYSIA – OSRL – “Subsea Forum in Malaysia”, 4th October, KL
- WEBINAR – OSRL – “Risk Assessment and Contingency Planning” 10th October, 1400-1500 BST
- CANADA – Remediation Technologies Symposium (REMTECH) 2023, Fairmont Banff Springs, 11-13 October 2023
- THAILAND – Economist – “Global Plastics Summit”, Bangkok, 11-12 October 2023
- WEBINAR from UK & Ireland Spill Association – “Implications of the lessons learned from the Wakashio Incident”, 18th October 2023, 1500-1630 BST
- UK – ITAC Annual Meeting, 24th-26th October, National Oceanography Centre, Southampton
- BRAZIL – International Seminar – ISCO & Ocean Pact Brazil “Lessons Learned for Brazil & Latin America, Preparedness, Response & Crisis Management, Case Studies”, Rio de Janeiro, 27th October 2023
- UK – UK & Ireland Spill Association Conference – Annual Conference, Dinner & Awards, 1-2 November, Nottingham
- ITALY – ECOMONDO Exhibition & Conference, Rimini, 7-12 November 2023
- UK – IOPC Funds – November 2023 Meeting of the Governing Bodies, 7th to 10th November. IMO HQ London
- WEBINAR – ExxonMobil Oil Spill Response Knowledge Transfer, “Human Health Effects of Oil in the Sea”, Webinar 22, 7th November 2023
- USA – Clean Gulf Conference & Exhibition, “Prepare, Respond and Recover”, San Antonio, TX, 7-9 November 2023
- INDIA – SPILLTECH Conference & Exhibition, 8th to 9th November 2023, New Delhi
- WEBINAR – OSRL – “Equipment and Resources for Effective Response”, 14th November, 1400-1500 GMT
- WEBINAR from UK & Ireland Spill Association – “Early lessons to be learned from the Poole Harbour incident”, 15th November 2023, 1500-1630 GMT
- WEBINAR – ExxonMobil Oil Spill Response Knowledge Transfer, “Round Table Discussion to provide Summary and Recommendations”, Webinar 23, 5th December 2023
- UK – Seatrade Maritime Salvage & Wreck Conference, 6-7 December 2023
- WEBINAR – OSRL – “Training, Exercises and Continuous Improvement” 12th December, 1400-1500 GMT

SOME OTHER INFO - Recordings of past ExxonMobil OSR Knowledge Transfer Webinar Recordings – [Access and Download UK & Ireland Spill Association Alternative Marine Fuels And Their Implication For Spill Response Webinar](#) is [now available to watch on YouTube](#).

MESSAGES FROM EVENT ORGANISERS

AUSTRALIA: BRISBANE - SPILLCON 2023: 11-15 SEPTEMBER 2023 & WORKSHOP

We are excited by the number of exhibitors confirmed for Spillcon 2023. We are showcasing a truly international event with exhibitors not only from Australia but also from South Korea and Europe (Denmark, France, Norway and the UK). Full details of all confirmed exhibitors can be viewed [here](#).

As in previous years, the exhibition area will also host catering - morning and afternoon teas plus lunches. In addition, on the evening of Monday 11th September, the formal Welcome Reception will include the Exhibition Opening and provide the initial opportunity for all delegates to view the booths. Should you wish to become an exhibitor yourself, booths can be booked through

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

the following link - [Spillcon 2023 Exhibition Booking Site](https://www.spillcon.com/) - where you will also find an interactive floor plan. <https://www.spillcon.com/> <https://mailchi.mp/64c839ee8f69/spillcon-2023-delegate-bookings-open?e=ce373d43ca>

A **Regional Workshop** has been organised by SPREP/IMO/ARPEL for the weekend immediately following Spillcon 2023. 15 - 17 September 2023 Brisbane Convention & Exhibition Centre The Regional Workshop aims to share international experience and up-to-date knowledge on key issues of oil spill preparedness and response, aimed specifically at those based in the island nations of the South Pacific Area. It will also assist in the use of a suite of environmental management and governance tools for governments as well as present the experience gathered in other parts of the world with similar characteristics. Information, including the registration form for this Regional Workshop being held on 15 - 17 September 2023 in Brisbane, will be available [here](#). Should you have any additional questions please [contact Paul Irving at SPREP](#).

Spillcon 2023 is delighted to invite attendees to a **complimentary workshop** on the afternoon of Monday 11th September.

Title: Cost recovery and compensation under the international liability regime for oil pollution damage

Length: 3 hours (incl. break) Level: No previous knowledge required. Instructors: IOPC Funds & IG P&I [More info](#)

Spillcon 2023 are delighted with the enthusiastic response to our Moreton Island trip scheduled for Friday 15th September. This is now fully booked and no more registrations for this particular excursion can be taken.

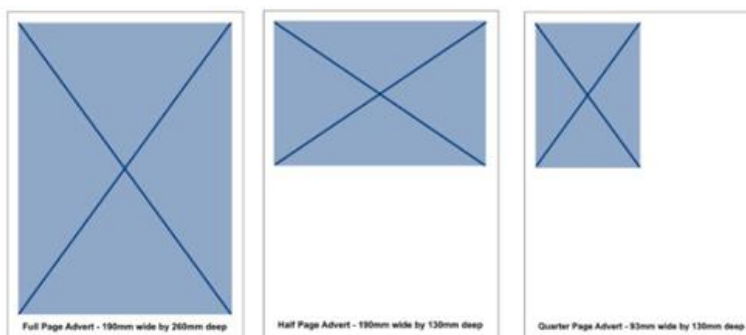
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ISCO's weekly newsletter is focused in international, regional and national news that is of interest to professionals, companies and organisations involved in oil and chemical spill control and the emerging field of CBRN incident response.

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To receive a copy of the new media pack please contact spillcontrol@mwadigital.com

By advertising in the ISCO Newsletter you will be directly supporting the work of ISCO and helping to ensure the continuation of this publication. ISCO is 100% dependent on the support of the international spill response community it serves.

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

USA: CLEAN GULF CONFERENCE & EXHIBITION – SAN ANTONIO, NOVEMBER 7-9, 2023

Now Accepting Reservations for Exhibit Space and Sponsorships for CLEAN GULF 2023 - Make an impact on buyers from oil & gas, maritime, rail, environmental companies and regulatory agencies with an exhibit space or sponsorship at the [CLEAN GULF Conference & Exhibition](#). Attendees at CLEAN GULF are looking for new products, services, and technologies to help them better

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

prepare or respond to a hazardous spill or environmental emergency. Clean Gulf Conference & Exhibition | November 7-9, 2023 | <https://ssl.linklings.net/conferences/IOSC/> Henry B. Gonzalez Convention Center | San Antonio, TX [Registration Now Open for CLEAN GULF 2023 + Sessions Announced!](#) [More info](#) Time to Lock in Your Participation at CLEAN GULF 2023! The 2023 CLEAN GULF Conference & Exhibition is still 4 months away but only 25 exhibit spaces remain! Book your space today and secure access to 1,500+ potential buyers from oil & gas, maritime, rail, environmental companies, and regulatory agencies. These buyers will be walking the exhibit hall, actively looking for new technologies, equipment, and services to help them better prepare, respond, or recover from, an environmental emergency. [View Floor Plan](#) [See who's already exhibiting](#)

August 29 - This past week, representatives from ExxonMobil, Chevron, NOAA, U.S. Coast Guard, Woodside Energy Ltd., Texas Parks and Wildlife Department, API, Shell, Ingram Barge Company, BSEE and many more registered to attend CLEAN GULF, taking place November 7-9, 2023 at the Henry B. Gonzalez Convention Center in San Antonio, TX. Join them by registering now for the 2023 CLEAN GULF Conference & Exhibition!

INDIA: SPILLTECH – “PROTECTION AND RESTORATION OF OCEAN HEALTH” NEW DELHI, 8-9 NOVEMBER 2023

The SPILLTECH Conference provides a vital forum for professionals from the international response companies, private sector, government & non-governmental organizations and academia to come together to come-out with an effective and efficient methodologies to tackle the spill challenges faced by Industries. The practical knowledge sharing, discussions on new innovation in this field and latest technological development will help to safely & effectively handle these spill situations to save marine life and save the environment. [Download the Event Brochure](#)

USA: SAVE THE DATE FOR IOSC 2024

We're excited to be back in person for the [International Oil Spill Conference \(IOSC\)](#) in **New Orleans, May 13-16, 2024**

#IOSC2024 provides a vital forum for professionals from the international response community, private sector, government, and non-governmental organizations to come together to tackle the greatest challenges facing us with sound science, practical innovation, social engineering and imagination.

Mark your calendars and start planning your trip to join over 1,500 attendees from over 50 countries, representing government agencies, contractors, researchers, industry, and other stakeholders as they exchange ideas and lessons learned from actual spill responses and research around the world. Stay tuned, registration details will be announced in August. We look forward to seeing you in New Orleans next year

Learn More about IOSC 2024 Be sure to follow IOSC on [Facebook](#), [Twitter](#), and [LinkedIn](#) for updates and announcements about #IOSC2024. Please contact registration@iosc.org for questions or additional information. Interested in exhibiting or sponsorship? Please reach out to: exhibits@iosc.org

USA: CLEAN WATERWAYS 2024 – CALL FOR PRESENTATIONS

April 9-11, 2024, Cincinnati, OH – “Incident Prevention & Response for Inland Regions & Waterways” [View the website](#)

The CLEAN WATERWAYS program is developed by a government/industry-based committee of approximately 50 professionals, and the committee is looking for leaders to help shape the conference. All abstracts submitted are reviewed for content and relevance by the committee and are selected by consensus. **Abstracts will be accepted for consideration until Friday, September 15, 2023.**

CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

INTERNATIONAL OPEN TENDER NOTIFICATIONS

This is a subscription service. <https://www.tender247.com/keyword/oil+spill+tenders+global>

OTHER OPPORTUNITIES: USA & EUROPE

US Government solicitations are frequently posted in Technology Innovation News Survey <https://clu-in.org/products/tins/>

US Federal Contract Opportunities are posted at <https://clu-in.org/Federal-Contract-Opportunities>

European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter at -

<https://www.emsa.europa.eu/newsroom/newsletters.html>

ISCO Members can post requests for submission of invitations to tender for supplies / services in this section. The ISCO Newsletter is circulated to nearly 3,000 registered subscribers in 60 countries worldwide and represents a well targeted audience for sourcing invitations to tender. Send requests to the Editor – john.mcmurtrie@spillcontrol.org

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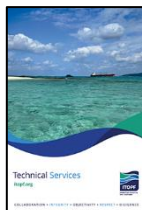
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As a service to its Members ISCO provides a listing of publications that may be of interest to our community. This page provides details and links for downloading more than 40 publications most of which can be accessed at no cost. This page is managed by Mike Watson mike@mwadigital.com

NEW PUBLICATIONS

ITOPF PUBLISHES NEW TECHNICAL SERVICES BROCHURE



ITOPF has just published a new version of its Technical Services Brochure. This provides an introduction to ITOPF – who we are, what we do and our funding mechanism - and outlines our five core services.

Hard copies of the eight-page brochure are available on request from [ITOPF](#). An online version can be viewed at [ITOPF Technical Services Brochure](#)

INCIDENT REPORTS

MARITIME ACCIDENT REPORTS FROM THE MARITIME BULLETIN

In the Maritime Bulletin, Mikhail Voytenko regularly advises on vessel abandonments, groundings and sinkings – several every week – but, unless there is an immediate and significant release of oil or chemicals, spillages are not reported. However, many of Mikhail's reports cover incidents that may have potential to cause pollution. To view all of his reports, visit <https://www.maritimebulletin.net/>

USA: NOAA OR&R INCIDENT RESPONSES FOR JULY 2023

Here is the complete list of July's incidents. Click on the links to find out more:

- [Spill from Pipeline into Joseph Bayou, Port Eads, LA](#)
- [Hole in Flow Line Results in Spill into Open Water, West Delta Block 29, LA](#)
- [Sheen from Offshore Platform, West Delta Block 75, LA](#)
- [Mystery Sheen Reported, South Timbalier Block 22, Port Fourchon, LA](#)
- [Crude Oil Discharge into Delta National Wild Refuge, Pilottown, LA](#)
- [Platform Fire and Diesel Spill in Viosca Knoll, LA](#)
- [Offloading of Undocumented/Suspect Hazmat in Shipping Containers, Savannah, GA](#)
- [Fire at Former Kmart Building, Portland, OR](#)
- [Grounded 48' Recreational Vessel on Stewart Island, WA](#)
- [Spill of Organic Waste Mixture into Ninemile Creek, Bratenahl, OH](#)
- [Platform Fire at Facility, Cantarell Oil Field, Bay of Campeche, offshore Mexico](#)
- [Satellite Reports Detect Mystery Sheen in High Island Area 536, offshore Texas](#)
- [Discharge of Biodegradable Hydraulic Fluid offshore Galveston, TX](#)
- [Spill from Bulk Transfer Pipeline in Baratavia Bay, Lafitte, LA](#)
- [Oil Spill from Flowline into Delta National Wildlife Refuge, Boothville-Venice, LA](#)
- [Fire aboard Car Carrier Vessel, Port Newark, NJ](#)
- [Tarballs Reported at Surfside Beach, Freeport, TX](#)

CANADA: UPWARDS OF 50 DUCKS AFFECTED BY CHEMICALS FROM FRIDAY'S INDUSTRIAL FIRE IN ETOBICOKE

August 12 - Toronto Wildlife officials say upwards of 50 ducks may have been affected as a result of chemicals leaking into a creek following a massive fire at an industrial plant on Friday. More than 100 firefighters responded to an explosion just after 1 a.m. at the Brenntag Canada chemical storage facility on Vulcan Street near Martin Grove Road and Belfield Road. The six-alarm blaze sent flames and plumes of dark smoke shooting into the air, forcing businesses in the nearby area to evacuate while residents were asked to stay indoors with their windows shut. Fire officials confirmed that a number of petroleum-based products were burning,

INCIDENT REPORTS (CONTINUED)

primarily motor oil, but that they managed to contain the blaze and keep it away from more hazardous chemicals that were stored within the facility. Toronto City News / [Read more](#)

August 18 - After 6-alarm Etobicoke fire, crews assessing how much runoff in Lake Ontario: ministry - Cleanup crews are trying to determine how much runoff from an industrial fire in Etobicoke a week ago has made its way into Lake Ontario, the province's environment ministry says. The ministry has said the runoff is affecting two waterways, Mimico Creek and Humber Creek, and containment measures have been in place since August 11 in both creeks. On Friday, it said while measures along Mimico Creek were reinforced Wednesday, Thursday's rain night enabled the spill to move further down Mimico Creek. CBC News / [Read more](#)

NIGERIA: FRESH OIL SPILL OCCURS IN RIVERS COMMUNITY

August 21 - Fresh crude oil spill has occurred in Bodo City, a community in Gokana local government area of Rivers State, following a leakage from the Trans Niger Pipeline (TNP) operated by a multi-national oil giant, Shell. The current oil spill, which occurred last Friday at the Sugi area of the community, but discovered by the locals on Sunday, was sixth to occur in the area in the past one year, all traceable to the same pipeline. Leadership / [Read more](#)

August 23 - Shell Investigates Trans Niger Pipeline Leak - The Shell Petroleum Development Company of Nigeria Limited (SPDC) has said that it is investigating a possible leak on its Trans Niger oil pipeline that traverses the Bodo community, Nigeria's Rivers State following an August 18 report. New Telegraph / [Read more](#)

IRAN: OIL SPILL DETECTED FROM PIPELINE OFF IRAN'S GULF COAST

August 28 - A large stretch of Iran's Gulf coast has been polluted by an oil leak from an offshore pipeline, the country's state news agency Irna has reported. The port city of Genaveh, in Iran's southern Bushehr province, is near the spill area and houses a major oil storage complex. It is connected through underwater pipelines to Kharg Island in the Gulf, where most of the country's oil is loaded for export. "Sea tides are flowing up oil slicks to the shore," Kioumars Jokar, head of the Ports and Maritime Organisation in Genaveh, told Irna. "The level of pollution is increasing and measures must be taken as soon as possible to curb the spill." The Nation / [Read more](#)

PHILIPPINES: OIL SPILL FEARED AFTER FISHING VESSEL SINKS OFF CALATAGAN, BATANGAS

August 29 - A potential oil spill is feared after a fishing vessel sank in the waters off Calatagan, Batangas, according to the Philippine Coast Guard (PCG). The vessel, F/V Anita DJ II, was carrying 70,000 liters of marine diesel oil when it sank on Sunday, August 27, the PCG said. Its 13 crew members were rescued. ABS – CNN News / [Read more](#)

ZIMBABWE: MURARE RIVER CHEMICAL SPILLAGE: LIVESTOCK AND AQUA LIFE SUFFOCATE

September 1 - Villagers in the Zvokuitirwa area in Chimanimani West are battling an environmental disaster after the spillage of a pole treating chemical into their main water sources. The spillage has so far killed livestock and aqua life in Murare River. An environmental crisis of a magnitude never seen in this community, dozens of fish and other aquatic life are suffocated under a heavy film of creosote, a pole treatment chemical, accidentally spilled into Murare River last week.

USA: VIRGINIA - HAZMAT SPILL CLEANED BEFORE AFFECTING WATER OR AQUATIC LIFE

September 1 - Route 460 has been reopened to traffic after a hazardous materials spill was cleaned up Shortly after 8 p.m. Thursday, August 31, 2023, the Giles County Sheriff's Office was called about a possible hazardous materials spill on 460 westbound between Big Stony Creek Road and Ripplemead Road. The substance was identified as a chemical compound called SR 601 D, Ethoxylated Bisphenol A Diacrylate, according to the sheriff's office. Three 250-gallon containers had slid out of the rear of a box trailer onto the road, causing two of them to leak. Investigators say the main hazard was environmental, as the chemical is toxic to aquatic life. wdbj7 / [Read more](#)

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