



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 Funds

ISCO EXECUTIVE COMMITTEE

Members of the Executive Committee who act as the INTERIM EXECUTIVE (Acting in lieu of President, and as Members of SECRETARIAT (Core Management Team)

- Mr John McMurtrie, VP and Editor (UK)
- Ms Mary Ann Dalglish, VP M'ship (USA)
- Mr John Wordrop (Australia)

Other Members of Executive Committee who also act as members of the SECRETARIAT

- Captain Bill Boyle (UK)
- Mr Marc Shaye (USA)
- Mr Michael Watson (UK)

Other Membrs of the EXECUTIVE COMMITTEE

- Mr Kerem Kemerli (Turkiye)
- Mr Dan Sheehan (USA)
- Mr Matthew Sommerville (UK)
- Mr Neil Marson (UK)
- Ms Helena Rowland (USA)
- Dr Larissa Montas (USA)
- Capt. D C Sekhar (India)
- Dr Mervyn Fingas (Canada)
- Ms Jane Delgado (USA)
- Mr Carlos Sagrera (Panama)
- Mr Ed Levine (USA)
- Mr Rupert Bravery (UK)

COUNCIL (NATIONAL REPRESENTATIVES)

- Mr John Wardrop (Australia)
- Mr Elkhan Mamedov (Azerbaijan)
- Dr Merv Fingas (Canada)
- Captain D. C. Sekhar (India)
- Mr Uri Philippin (Israel)
- Mr Sanjay Gandhi (Kenya)
- Mr Dennis van der Veen (Netherlands)
- Mr Carlos Sagrera (Panama)
- Mrs Fatima B. Shaik (South Africa)
- Dr Ali Saeed Al Ameri (UAE)
- Mr Flavio P. de Andrade (Brazil)
- Mr Kerem Kemerli (Turkiye)
- Mr Wu Yue (China)

PLEASE CLICK ON THE BANNERS BELOW FOR MORE INFORMATION



INTERNATIONAL NEWS

UN PAUSES INCOMPLETE SALVAGE MISSION FOR DECAYING FSO SAFER OFF YEMEN



Above: The derelict FSO Safer lingers off the coast of Yemen with continuing environmental dangers (David Gressly/UN)

The project to decommission the decaying oil tanker turned storage unit off Yemen fell from public attention after the UN reported last August that it had completed the oil transfer. In a new interview with Agence France-Presse (AFP) UN officials are however again raising concerns reporting that completing the project is being endangered by delays, financial shortfalls, and now the security situation in the Red Sea.

The FSO Safer (400,000 dwt) was built in 1976 as a supertanker operating as the Esso Japan before being converted into an unpropelled storage vessel in 1987. Named Safer she was positioned about four miles off the coast of Yemen operating for the national oil company with a capacity of about three million barrels. When operations were suspended, she had approximately one million barrels of oil aboard, and she fell into disrepair due to limited maintenance since 2015.

"After much consideration, the UN had no option but to pause the project at this time," a spokesperson for the UN Development Programme which oversaw the salvage operation recently told AFP.

ISCO AMBASSADORS

(Members with special responsibilities in specified geographical areas)

Carlos Sagrera Latin America (Spanish speaking)
Matthew Sommerville UK London
John Noble UK London & South'ton
Flavio P. de Andrade Brazil

MEMBERSHIP OF ISCO

[Benefits of Membership](#)

[Online Membership Application Form](#)

YOU ARE INVITED TO JOIN THE ISCO DISCUSSION GROUP ON LINKED-IN

Linked in More than 6,000 polluted sites fester across Amazonian countries Click on the link below –

<https://www.linkedin.com/groups/4016064/>

ISCO'S FACEBOOK GROUP 

Click on the link -

<https://www.facebook.com/groups/388528312842431>

WHATSAPP GROUP FOR STUDENTS, TRAINEES & APPRENTICES

Here is the link for joining this group –

<https://chat.whatsapp.com/KMxdW7IEal79namyNibVqg>

ADVANCE YOUR CAREER BY GAINING PROFESSIONAL RECOGNITION Professional recognition is a visible mark of quality, competence and commitment, and can give you a significant advantage in today's competitive environment. All who have the relevant qualifications and the required level of experience can apply for Professional Membership of ISCO. The organization offers independent validation and integrity. Each grade of membership reflects an individual's professional training, experience and qualifications. You can apply for MEMBERSHIP (MISCO) or FELLOWSHIP (FISCO) About ProfessionalMembership [Professional Membership Application Form](#)

INTERNATIONAL NEWS (CONTINUED)

They said they are closely monitoring the situation in Yemen but cited security concerns along with a \$22 million shortfall in funding.

The Maritime Executive / [Read more](#)

IMO BRAVERY AWARDS



The flyer features the IMO logo and two award medals. The text reads: 'IMO HONOURS FOR EXCEPTIONAL BRAVERY AT SEA Call for nominations 2024 submissions open until 15 April 2024'. It includes two download buttons: 'NOMINATIONS DOWNLOAD WORD FORM' and 'GUIDELINES DOWNLOAD PDF'. A play button icon is also present.

For the attention of intergovernmental organizations in cooperation with IMO and non-governmental organizations in consultative status with IMO

The purpose of this is to kindly request your cooperation to promote and encourage the submission of nominations for the 2024 IMO Honours for Exceptional Bravery at Sea. For the attention of intergovernmental organizations in cooperation with IMO and non-governmental organizations in consultative status with IMO

You will find below a promotional flyer in the three working languages of the Organization (English, French and Spanish). Each of them contains three links:

the guidelines outlining the criteria for the three categories of honour
The nomination form in Word format to be edited as necessary; and
A short video of last year's IMO Awards Ceremony.

We would be most grateful if you could upload the flyer onto your website and/or circulate it to your members as you consider appropriate. Alternatively, it can be accessed through the following links -

- 📄 English: [2024 IMO Honours Invitation Advert EN](#)
- 📄 French: [2024 IMO Honours Invitation Advert FR](#)
- 📄 Spanish: [2024 IMO Honours Invitation Advert SP](#)

We truly appreciate any support you can provide by promoting the nomination of deserving candidates for this prestigious Award. As always, please do not hesitate to contact us if you have any queries.

Many thanks and kind regards, ERO@imo.org

IN FOCUS: UN ENVIRONMENT ASSEMBLY

Held from 26 February to 1 March in Nairobi, UNEA-6 will focus on how multilateralism can help tackle the triple planetary crisis Register now - UN Member States, Specialized Agencies, Civil Society, NGOs and other must sign up by 9 February Featured updates - Information on concept notes, side events, media coverage and more <https://www.unep.org/>

2024 IOPC FUNDS ANNUAL ACADEMY

The Director has the pleasure to announce that the annual IOPC Funds Annual Academy will take place from Monday, 17 June to Friday, 21 June 2024 at the IOPC Funds headquarters in London. IOPC Funds/ [More info](#)

ISCO PARTICIPATION IN IOSC, CLEAN WATERWAYS, AND CLEAN GULF

ISCO VP (Events) is responsible for organizing the detailed arrangements for ISCO participation at these events.

Details will be published in this section of the ISCO Newsletter as soon as they are made available to your editor.

NEWS FROM AROUND THE WORLD

REQUEST FOR AN ACTION BY READERS OF THIS SECTION

Gathering useful and relevant news for readers in various countries involves visiting about 60 websites every week – but there are some problems .

- Some websites only publish “Press Releases and News” that are months or even years out of date
- Some websites for a variety of reasons will not open easily – help needed

Readers are being asked to have a look at websites that are relevant to the countries where they live. The list of websites being visited every week can be found at <https://spillcontrol.org/national-organizations/>

- We are planning to **remove** some websites from our weekly checking list because news content is absent or not fit for purpose.
- We would be grateful for details of websites that you recommend should be **added** to our checking lists
- If you have some national news that you would like to share with our international community you can send it directly to the Editor at john.mcmurtrie@spillcontrol.org

FREE ADVERTISEMENT
Corporate Members can place a free website-linked ad here. Contact Mike Watson for details
spillcontrol@mwadigital.com

FASTANK® The World's Leading Portable Containment Tanks
Successfully serving our industry and environment for 40+ years
www.fastank.com
info@fastank.com

**RISK MITIGATION
READINESS RESPONSE**
CTEH
CLICK HERE to see what we can do for you

PLAN Tactical Response Planning
PROTECT Monitoring and Plan Improvement
PREPARE Training, Drills and Exercises
RESPOND On Land and Sea
Marine Pollution Control
+1 (313) 849-2333 - 24/hour
www.MarinePollutionControl.com
MPC IS OSRO #003

CANADA: PLAN FOR THE BAN: CANADA'S DRAFT NOTICE FOR FEDERAL PLASTICS REGISTRY PROVIDES ADDITIONAL INSIGHTS ON REPORTING REQUIREMENTS

January 19 - On December 30, 2023, Canada's federal government published a notice of intent [1] (the "Notice of Intent") to issue a notice under Section 46(1) of the Canadian Environmental Protection Act, 1999 ("CEPA") for the Federal Plastics Registry with respect to plastic products manufactured, imported and sold in Canada. Through the Notice of Intent, the Minister of Environment and Climate Change Canada ("ECCC") is seeking feedback from interested parties regarding the intended Section 46 notice. The Notice of Intent follows two rounds of consultation on Canada's Technical paper on the Federal Plastics Registry (the "Technical Report"), which we discussed in further detail in an earlier Plan for the Ban bulletin here. Consultation on the Notice of Intent is open for comment to all interested and impacted parties until February 13, 2024. The federal government plans to publish the Section 46 notice before the end of 2024. Mondaq

[/ Read more](#)

CANADA: FEDERAL GOVERNMENT OPENS THE DOOR TO PROJECTS THAT HELP KEEP CANADIAN FRESH WATER CLEAN AND HEALTHY

January 22 - Fresh water is a vital resource that is facing pressing challenges. To ensure that fresh water in Canada is clean and healthy, the Government of Canada is taking unprecedented action by launching the Canada Water Agency and investing \$650 million over 10 years in the Freshwater Action Plan to protect and restore water quality and ecosystem health in major watersheds across the country. Canada CA / [Read more](#)

EGYPT: SAVING ENDANGERED GREEN TURTLES

January 24 – Saving a green turtle threatened with extinction in the city of Ras El Bar in Damietta Governorate The Minister of Environment praises a vendor who dedicates his life to saving turtles in Ras El Bar ... Dr. Yasmine Fouad: She is transferred to the turtle care center in Ashtoum Al-Jamil Reserve to care for and number them before the launch. EEAA / [Read more](#)

FINLAND: ACTION NEEDED TO REACH REDUCTION TARGET FOR PLASTIC CARRIER BAGS

January 19 - The Green Deal agreement between the Ministry of the Environment and the Finnish Commerce Federation has reduced the use of plastic carrier bags and thin plastic bags quite rapidly. A recent estimate shows, however, that there has been some growth in the use of plastic carrier bags since 2020 and further actions are needed to reach the reduction targets by 2025. Ym / [Read more](#)

INDIA: IOPC FUNDS - NATIONAL WORKSHOP FOR INDIA



January 19 - At the invitation of the Indian Directorate General of Shipping, the IOPC Funds delivered a workshop on the international liability and compensation regime for oil pollution damage in Kochi, on 18 and 19 January 2024. The event was attended by some 150 participants from a variety of important stakeholders, including representatives from maritime authorities, the Indian Coast Guard and shipping companies. IOPC Funds / [Read more](#)

ITALY: WORLD WETLANDS DAY 2024

The World Wetland Day next 2 February celebrates the signing in 1971 of the International Ramsar Convention on Wetlands of International Importance. The Ramsar Convention defines wetlands as “marshes, marshes, peat bogs or reservoirs, natural or artificial, permanent or temporary, with stagnant or flowing water, fresh, brackish or salt, including expanses of marine water whose depth, during low tide, does not exceed six metres”. ISPRA / [Read more](#)

NORWAY: VISSIM GETS CONTRACT ON OIL SPILL MONITORING FOR REPSOL

January 25 - Vissim has been awarded a contract by Repsol Norge AS (Repsol) to implement an upgraded oil spill detection system at the operator’s Yme field on the Norwegian continental shelf (NCS). No link provided. For more info endre.johansen@corpcom.no

SRI LANKA: OIL SPILL DRILL AT H’TOTA PORT

January 23 - The Hambantota International Port (HIP) together with the Sri Lanka Coast Guard and the Navy conducted an oil spill drill recently to enhance their emergency preparedness. Island / [Read more](#)

TUNISIA: UPCOMING TRAINING COURSE – IMO LEVEL 3 OIL SPILL RESPONSE

January 16 - The Mediterranean Oil Industry Group (MOIG) and the Center of Documentation, Research and Experimentation on Accidental Water Pollution (Cedre) are very pleased to invite you to the training course “IMO Level 3 – Oil Spill Response” that will be held; from 22 to 25 April 2024; at “The Royal Hammamet Hotel” in South Hammamet-Tunisia. The event will be open on Monday, 22 April 2024 at 08:00 am and expected to close on Thursday, 25 April 2024 at 12:30 pm., it will be animated by Mr. Arnaud Guèna, Deputy Director of Cedre.

The main objectives of this training will be to strengthen the capacity of participants in the following areas : The risk of accidental pollution related to maritime activities and associated issues, the research of the necessary information for the assessment of the situation, the crisis management, the response strategies, the funding of interventions and the legal follow-up as well as the emergency communication.

This training is dedicated to staff from companies and administrations that can integrate an anti-pollution crisis unit. The [Training Programme](#) (See attached) includes courses and tabletop exercises. The working languages will be French and English.

In order to enable MOIG to have all logistic arrangements made on time, it would be appreciated; if you could have the attached [Registration Form](#); completed and returned by Mail at: houcine.mejri@moig.org.tn or by Fax at: +216 71 888 439; at your earliest convenience; preferably before 12 April 2024.

UK: ENVIRONMENT | REGULATORY OUTLOOK JANUARY 2024

January 18 - Government delays mandatory Biodiversity Net Gain to January 2024 and publishes first statutory instruments | Government launches consultation on the proposed rules to govern carbon capture transportation and storage networks | UK Sustainability Disclosure Requirements The Department for Environment, Food and Rural Affairs announced that the government is delaying the implementation of mandatory Biodiversity Net Gain (BNG) requirements. Mondaq / [Read more](#)

USA: CHEMICAL SAFETY BOARD PUBLIC MEETING INFORMATION

The Chemical Safety and Hazard Investigation Board (CSB) will convene public meetings on October 26, 2023; January 25, 2024; April 25, 2024; and, July 25, 2024, at 2 p.m. ET. These meetings serve to fulfill the CSB's requirement to hold a minimum of four public meetings for Fiscal Year 2024 pursuant to 40 CFR 1600.5(c). The Board will review the CSB's progress in meeting its mission and as appropriate highlight safety products newly released through investigations and safety recommendations. IDeve / [Read more](#)

USA: NEW YEAR, (LIKELY) NEW REMEDIATION STANDARDS—NJDEP KICKS OFF 2024 WITH PROPOSED GROUND WATER QUALITY STANDARDS

January 23 - On Jan. 2, the New Jersey Department of Environmental Protection (NJDEP) rang in the new year by publishing a

NEWS FROM AROUND THE WORLD (CONTINUED)

Proposed Rule updating the Ground Water Quality Standards (GWQS) for 65 of the 73 constituents currently regulated for Class II-A groundwater. As most readers know, the department uses the GWQS as base standards for the remediation of groundwater contamination. For most ongoing and future cleanups, the updated GWQS will apply. For previously closed sites, the impact of the Proposed Rule will depend on a number of factors, including (1) whether any of the contaminants with updated standards still exist and (2) whether the updated standards resulted in an order of magnitude change. Mondaq / [Read more](#)

USA: COLUMBIA SLOUGH RECEIVES \$19.5 MILLION IN DEDICATED CLEANUP FUNDS FROM CITY OF PORTLAND SETTLEMENT

January 24 - The Oregon Department of Environmental Quality will receive \$19.5 million over three years from a settlement with the City of Portland to help address stormwater discharges and sediment contamination in the Columbia Slough. DEQ held a public process for the settlement in November 2023 and Portland City Council voted to authorize the settlement agreement at a meeting today. To complete cleanup project work more efficiently, DEQ and the city agreed to move forward with a settlement approach. EIN News / [Read more](#)

NEWS FROM ISCO MEMBERS

Corporate Members of ISCO can 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.

LAMOR CHOSEN TO OPERATE EMSA’S NORTH SEA EQUIPMENT ASSISTANCE SERVICE STOCKPILE



The European Marine Safety Agency (EMSA) has awarded Lamor with a two-year contract to operate their Equipment Assistance Service (EAS) stockpile in the Netherlands. The stockpile complements national preparedness and assists oil spill response operations at request in the North Sea region, covering eastern coastlines and sea areas of Norway, Denmark, Germany and the Benelux. The contract includes two two-yearly renewal options. Lamor / [Read more](#)

IMBIBER BEADS® IMBIBER BEADS® PROVIDE OILY WATER PROVIDE OILY WATER FILTRATION FOR US NAVY

January 19 - Imbibitive Technologies (IMBTEC) is pleased to announce that it has been awarded a significant contract by the US Defense Logistics Agency (DLA) to build and supply an oil/water separator system for the US Navy.

NEWS FROM ISCO MEMBERS (CONTINUED)

IMBTEC has been successful in developing a shipboard Oily-Water Polishing System, featuring Imbiber Beads® filter pillows for the US Navy's Arleigh Burke Class Destroyer Fleet (85 vessels) and is the only product specified for this application.

The Oily-Water Filtration System features the unique absorptive features of Imbiber Beads®; the world's only "oil-sensitive" super-absorbent polymer. Imbiber Beads® are engineered to selectively filter a broad range of oils, fuels and solvents from water and contain the contaminants within their solid polymer structure. Once "imbibed" the contaminants cannot be re-released.

The ability of Imbiber Beads® to absorb/imbibe several volumes of contaminant per volume of Imbiber Beads® is expected to extend the effectiveness of the System; thereby improving performance and reducing maintenance costs.

The System is described as a "trickle filter" that consists of three rotationally-molded, Low-Density Polyethylene canisters stacked one on top the other. Water drains through the top canister, through the middle canister and outlets at the bottom of the third canister; thereby providing fifteen layers of filtration. Each canister contains five (5) specially formulated Imbiber Beads® pillows. All of the parts of the System are easily changed-out, and relatively low maintenance.

Disposal of "imbibed" liquids can be accomplished as an "energy from waste" source through shipboard incinerators; generating in excess of 15K BTUs per pound; creating an energy benefit instead of a disposal cost.

Navy orders through the DLA are still in the early stages and are slowly but steadily increasing. www.imbiberbeads.com

CORRESPONDENCE

A MESSAGE FROM NIGEL BENNETT SLEEPOUT@COVENANTHOUSEBC.ORG.

As our January brutal weather continues, Rieko and I can't imagine what it is like to be a homeless youth living on the streets.

On February 29, we will be part of Team IMPACT, Sleeping on the streets in support of our at-risk youth. We are raising funds to provide them with safety, food, shelter, and essential services at Covenant House Vancouver and around North America.

Please help by donating to our fundraising page links below: Thank you so very much.

To kindly donate click either link here:

Nigel's Page: <http://support.covenanthousebc.org/goto/nigelbennett>

Rieko's Page : <http://support.covenanthousebc.org/goto/riekobennett>

[Click here to visit my personal page.](#)

If the text above does not appear as a clickable link, you can visit the web address:

http://support.covenanthousebc.org/site/TR?px=1023592&pg=personal&fr_id=1471&et=UHpHdXHzXmf5QrcUNTolcAIR8oELgW5T7wtiOoPVj4D5fJ5NvLRrig

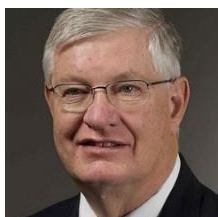
[Click here to view the team page for TEAM IMPACT](#)

If the text above does not appear as a clickable link, you can visit the web address:

http://support.covenanthousebc.org/site/TR?team_id=4270&pg=team&fr_id=1471&et=yXka3tOBrx86eRMBtYguiPO5kYZTQmybvVzYS1pW21yVvSRdJ2dr6A

RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS

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.

14. Comparison of two field systems for determination of crude oil biodegradation in cold seawater

Langeloh H., Greer C.W., Vergeynst L., Hakvåg S., Øverjordet I.B., Bakke I., Sørensen L., Brakstad O.G.

(2024) Marine Pollution Bulletin, 199, art. no. 115919,

DOI: 10.1016/j.marpolbul.2023.115919

ABSTRACT: Marine oil spills have devastating environmental impacts and extrapolation of experimental fate and impact data from the lab to the field remains challenging due to the lack of comparable field data. In this work we compared two field systems used to study in situ oil depletion with emphasis on biodegradation and associated microbial communities. The systems were based on (i) oil impregnated clay beads and (ii) hydrophobic Fluortex adsorbents coated with thin oil films. The bacterial communities associated with the two systems displayed similar compositions of dominant bacterial taxa. Initial abundances of Oceanospirillales were observed in both systems with later emergences of Flavobacteriales, Alteromonadales and Rhodobacterales. Depletion of oil compounds was significantly faster in the Fluortex system and most likely related to the greater bioavailability of oil compounds as compared to the clay bead system.

15. Tracking the behavior of an accidental oil spill and its impacts on the marine environment in the Eastern Mediterranean

Abou Samra R.M., Ali R.R.

(2024) Marine Pollution Bulletin, 198, art. No. 115887,

DOI: 10.1016/j.marpolbul.2023.115887

ABSTRACT: The eastern Mediterranean region is a vital hub for oil transportation and production because of its strategic location between Europe, Asia, and Africa. But its unique attributes, including narrow shipping routes, heavy marine traffic, and proximity to vulnerable ecosystems, render it particularly susceptible to accidental oil spills. In this research, an oil spill detection model, along with bathymetric and oceanographic parameters, was used to track oil spills that occurred at the Syrian Baniyas Station in the Eastern Mediterranean on August 23, 2021. Furthermore, the study employed a pairwise comparison matrix (PWCM) to assess the relative importance of wind speed and direction, water depth, and sea surface temperature (SST) in the dispersion of oil spills. Analysis of Sentinel-1 data obtained prior to, during, and after the incident revealed the accumulation of oil slicks along the Syrian coast from Baniyas to Latakia for up to twenty days. The spilled oil reached the coast of Cyprus six days after the incident. The study determined that wind speed and direction played a critical role in the dispersion of spilled oil, while water depth and SST were comparatively less significant factors in this process. The overall accuracy (OA) and Kappa coefficient (KC) for land, water, and oil slick classes derived from the random forest (RF) algorithm ranged from 90 % to 98 % and from 0.86 to 0.98, respectively. The spread of oil slicks at the incident location was revealed by the decorrelation stretch and band ratios of Sentinel-2 MultiSpectral Instrument (MSI) data. The accidental oil spill could have negative effects on the organic carbon cycle, chlorophyll production, and ecosystem productivity. It is essential to consider the vulnerability of specific regions in the Eastern Mediterranean to oil spills when developing adaptation strategies.

16. Application of whole-cell bioreporters for ecological risk assessment and bioremediation potential evaluation after a benzene exceedance accident in groundwater in Lanzhou, China

Liu Y., Zhao X., Wang X., Ding A., Zhang D.

(2024) Science of the Total Environment, 906, art. no. 167846,

DOI: 10.1016/j.scitotenv.2023.167846

ABSTRACT: Oil spill events challenge human health and ecosystem safety, which are priority concerned issues for sustainable development. There is then an increasing demand of tools for ecological risks assessment at contaminated sites. In this study, we introduced two whole-cell bioreporters, ADPWH_alk and ADPWH_recA, to measure the available n-alkanes and the genotoxicities of total petroleum hydrocarbons in soils and groundwater which were contaminated by the Benzene Exceedance Accident in Lanzhou, China. Comparing to traditional chemical analysis methods, the whole-cell bioreporter method could provide risk assessment on cell level within a shorter time and a less cost, which is economical and environment friendly. The highest contents of available alkanes in soil and groundwater were 18,737 mg/kg and 308.4 mg/L, respectively. In addition, the available n-alkanes significantly ($p < 0.01$) correlated to chemical analysis of total n-alkanes. The highest genotoxicity level was found in soil and groundwater samples with lower TPHs concentration (4338.0 mg/kg and 1.4 mg/L Mitomycin C equivalent), suggesting the significant impacts of geochemical variables and alkane availability on the ecological risks of petroleum contamination. Combining chemical analysis and whole-cell bioreporter results, bioremediation strategies were suggested for groundwater and soils with higher n-alkane availability and lower ecological risks, whereas chemical oxidation were suggested for other contaminated sites. For the first time, we mapped the distribution of available n-alkanes and petroleum toxicities in a large scale soil-groundwater system using whole-cell bioreporters, showing their huge potential for rapid contaminant detection and fast risk assessment.

17. Persistent Organic Pollutants in Whale Shark (Rhincodon typus) Skin Biopsies from Bahía de Los Ángeles, Mexico

Villagómez-Vélez S.I., Noreña-Barroso E., Galván-Magaña F., González-Armas R., Rodríguez-Fuentes G., Marmolejo-Rodríguez A.J.

(2024) Bulletin of Environmental Contamination and Toxicology, 112 (1), art. no. 18,

DOI: 10.1007/s00128-023-03841-2

ABSTRACT: The whale shark (*Rhincodon typus*) is a filter-feeding organism that can be considered a sentinel species, and Bahía de los Ángeles (BLA) in the Gulf of California is an important sighting site for these elasmobranchs. This filter-feeding organism can be considered a pollutant sampler from the marine environment. Persistent organic pollutants are toxic compounds with high mobility and environmental persistence, bioaccumulation and trophic transfer. Among these are polycyclic aromatic hydrocarbons (PAHs) and organochlorine pesticides (OCPs). The present work aimed to determine concentrations of PAHs and OCPs in whale shark skin biopsies, collected in 2021 at BLA. Mean detected levels of PAHs and OCPs were 279.4 ng/g dw (dry weight) and 1478.1 ng/g dw, respectively. Analysis of similarities between the ordered sizes (4.2–7.6 m) and the concentrations of PAHs and OCPs indicated no significant differences. Individual PAHs detected indicate pyrogenic and petrogenic sources; the presence of pesticides at levels higher than those of hydrocarbons may be related to agricultural activity in the areas surrounding the Baja California peninsula. This study is the first report of PAH levels in *R. typus* for the Gulf of California and Mexico.

18. Tar pollution event (2021) at the Southeastern Levantine oligotrophic basin, short-term impacts and operational oceanography perspectives

Herut B., Goldman R., Ozer T., Lazar A., Biton E., Gertman I., Silverman J., Segal Y., Sisma-Ventura G., Gertner Y., Rubin-Blum M., Belkin N., Rahav E.

(2024) *Marine Pollution Bulletin*, 198, art. no. 115892,

DOI: 10.1016/j.marpolbul.2023.115892

ABSTRACT: The Levantine basin (LB) in the Southeastern Mediterranean Sea is a high-risk oil pollution hot spot owing to its dense maritime traffic and intense oil and gas exploration and exploitation activities. In February 2021 the Israeli LB shorelines were impacted by an exceptional tar pollution event (~550 tons; average distribution: ~3 kg tar m⁻¹ front beach) of an unknown oil spill source. Here we report on the immediate numerical modelling assessment of the oil spill propagation and tar distribution; operational use of underwater gliders for tracking water column anomalies of dissolved polycyclic aromatic hydrocarbons (PAHs) and turbidity signals; the beached tar composition and amounts and the short-term response of the microbial population along the ~180 km shoreline. This pollution event emphasizes the need for improving the early warning systems for oil spills and implementing continuous operational monitoring at high-risk, ecologically sensitive and valuable resource areas like the Israeli LB waters.

19. Improved prediction of oil drift pattern using ensemble of ocean currents

Prasad, S.J. Nair, T.M.B and Balaji, B.

(2024) *Journal of Operational Oceanography*, 17 (1), pp. 12 - 27,

DOI: 10.1080/1755876X.2022.2147699

ABSTRACT: Indian Coast Guard and oil spill responders utilise the operational oil spill advisory services of the Indian National Centre for Ocean Information Services (INCOIS) during the event of oil spills for setting up spill response operations. Oil drifts in marine zones are dominated by ocean currents. Ocean currents generated by numerical models have errors and uncertainties due to model approximations, inaccurate initial and boundary conditions in the model setup. An attempt was made to generate an oil spill advisory using a weighted ensemble of ocean currents. In this study, the oil spill trajectory model, General National Oceanic and Atmospheric Administration (NOAA) Operational Modeling Environment (GNOME) was forced using a weighted ensemble of ocean currents for the Heavy Furnace Oil (HFO) spill reported off Ennore port during 0400 hours (IST) of 28 January 2017. The inverse-variance weighting method was used to estimate weights by comparing zonal and meridional components of individual model ocean currents, with that of High Frequency (HF) Radar currents. The zone of HFO spread obtained while using an ensemble of ocean currents was compared with oil slick signatures obtained from Synthetic Aperture Radar (SAR) data on 0600 hours (IST) of 29 January 2017. It was noted that the trajectory patterns obtained from the weighted ensemble of ocean currents were well within the observed zone of oil slicks, compared to that of individual model ocean currents.

20. Changes in the Content and Composition of Hydrocarbons in the Bottom Sediments of the Norilo-Pyasinsk Water System a Year after a Catastrophic Diesel Fuel Spill

Nemirovskaya I.A., Glyaznetsova Y.S., Sokov A.V.

(2023) *Doklady Earth Sciences*, 511 (2), pp. 652 - 658,

DOI: 10.1134/S1028334X23600858

ABSTRACT: Abstract: One year after the emergency diesel fuel spill in Norilsk, the hydrocarbon concentrations in bottom sediments of the Norilo-Pyasinsk water system decreased. However, the average decrease in the areas occurred in the same sequence ($\mu\text{g/g}$) as in 2020: the mouth of the Ambarnaya River (835, $\sigma = 1788$) > Bezymyanni Creek–Daldykan River–Ambarnaya River (306, $\sigma = 273$) > the Pyasina River (23, $\sigma = 20$) > Pyasino Lake (12, $\sigma = 8$). The concentrations decreased due to degradation of low molecular weight

RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS (CONTINUED)

hydrocarbons. The content of polycyclic aromatic hydrocarbons also changed in a smaller range (0–1027 ng/g) in 2021 than in 2020 (0–3865 ng/g). The petroleum origin of polycyclic aromatic hydrocarbons in the sediments of the Ambarnaya River (including the mouth), Bezymyanni Creek, and the Daldykan River confirms the dominance of alkylated naphthalene homologs in their composition. Hydrocarbon accumulation in certain horizons of the sedimentary stratum is caused not only by seepage of diesel fuel, but also by the input of organic matter from the surrounding swamps and floodplain lakes, as well as by the burial of the surface layer by the 2021 flood.

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/>

TOXIC CONTAMINATION OF AQUATIC HABITAT AND ITS REMEDIATION

January 2024 -DOI:10.1016/B978-0-323-95282-8.00021-3

In book: Spatial Modeling of Environmental Pollution and Ecological Risk (pp.209-220)

Authors: Poonam Kumari, Prasann Kumar, Joginder Singh. To read the full-text of this research, you can request a copy directly from the authors. ResearchGate / [Read more](#)

FLOATING TREATMENT WETLAND SYSTEM REMEDIATING POLLUTED SURFACE WATER BODIES

Even as our traditional water sources and recreational areas are polluted as a result of human activity and other pollutants produced in the city, the Floating Treatment Wetland System (FTWS) has been there to restore the endangered heritage. Lakes and other wetlands provide water to communities as well as a recreational area and habitat for a variety of plants and animals; however, ponds and wetlands are constantly deteriorating due to polluted water.

A nature-based solution known as the Floating Treatment Wetland System (FTWS) has been recently implemented in Dhanmondi and Gulshan lakes in Bangladesh, Naya Goan Talai in India, and Nagdaha in Nepal by Small Earth Nepal (SEN), with support from the Asia-Pacific Network for Global Change Research (APN) and collaboration with various national, international, governmental, and non-governmental organizations from five countries (Bangladesh, India, Japan, Nepal, and the United States of America). The Himalayan Times / [Read more](#)

SOLUTION OF CONVECTION-DIFFUSION MODEL IN GROUNDWATER POLLUTION

This research involves the development of the spectral collocation method based on orthogonalized Bernoulli polynomials to the solution of time-fractional convection-diffusion problems arising from groundwater pollution. The main aim is to develop the operational matrices for the fractional derivative and classical derivatives. Nature / [Read more](#)

TECHNICAL SUPPORT

WHAT DO ENVIRONMENTAL ENGINEERS DO? RESPONSIBILITIES, EDUCATION AND QUALIFICATIONS

Environmental engineers use engineering knowledge and tools to solve various environmental problems. A multi-disciplinary STEM field, environmental engineering draws from other branches of engineering and environmental science.

If you're passionate about addressing air and water pollution, waste management and remediation of toxic sites, you might be a strong candidate for environmental engineering. Other environmental engineering projects deal with climate change, renewable energy and environmental assessment.

Environmental engineers often earn higher-than-average salaries while protecting the natural environment and the people, animals and plants that rely on it. These skilled professionals need at least a bachelor's degree in environmental engineering or a related field.

Learn how to become an environmental engineer with our guide. Find out about education, experience and certification requirements, and explore the job growth projections and salary potential for these professionals.

Environmental engineers work on various projects that solve environmental problems. A typical day might include a visit to a polluted or contaminated site to document and evaluate hazards and provide remediation advice. We highlight some common responsibilities below: Forbes / [Continue reading](#)

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 & WORLDWIDE – AMBIPAR GROUP** <https://ambipar.com/uk/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
- **CANADA - CONTAMINATED SITES HEALTH & SAFETY REFRESHER (8-HOUR HAZWOPER) – FROM ECONEXT –** [MORE INFO](#)
- **ONLINE - LLOYDS MARITIME ACADEMY – CERTIFICATE IN MARINE POLLUTION PREVENTION & MANAGEMENT. Starts on 14th March 2024** - <https://email.informaconnect.com/q/12ErXbQNGaNK08lQrkPeq62v/wv>

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/>

FEBRUARY 2024

- **WEBINAR - Australian Laboratory for Emerging Contaminants (ALEC) - Microplastics Research Projects - The Hidden Hazards** Thursday, February 1, 2024 12:00pm - 1:00pm AEDT
- **JAPAN and ONLINE - PAJ Oil Spill Workshop 2024 - “Oil Spill Prevention during a Civil War, Recent Oil Spill Response and EffectivePublic Relations”** - February 15th Thursday 2024, International Convention Hall, 2nd Floor, Keidanren Kaikan, 1-3-2, Ohtemachi, Chiyoda-ku, Tokyo 100-0004. Virtual on line with limited physical attendance
- **UAE – International Conference on Environmental Pollution & Remediation, (ICEPR), Dubai, 15-16 February**
- **WEBINAR - EXXONMOBIL OIL SPILL RESPONSE KNOWLEDGE TRANSFER WEBINAR SERIES – WEBINAR 23. - THE FINAL SEGMENT OF THE OIL IN THE SEA IV WEBINAR SERIES, WHICH WE STARTED IN JUNE 2023. FEBRUARY 13, 2024. PANEL DISCUSSION**
- **AUSTRALIA – Alga – “Chlorinated Hydrocarbons Groundwater Fate & Transport Symposium”, Adelaide, 22-23 February 2024**

MARCH 2024 AND ONWARDS

- **PORTUGAL – Economist – “11th Annual World Ocean Summit & Expo”, Lisbon, 11-13 March 2024**
- **USA – Conference & Exhibition – Clean Waterways – April 9-11, Cincinnati, Ohio**
- **TUNISIA – MOIG TRAINING COURSE – IMO Level 3, 22-25 April 2024, South Hammamet**
- **USA – Intrnational Oil Spill Conference & Exhibition, 13-16 May 2024, New Orleans, Louisiana**
- **GERMANY – “14th International Conference on Environmental Pollution & Remediation”, Berlin, August 25-27, 2024**
- **SPAIN & ONLINE – “14th International Conference on Environmental Pollution & Remediation, Barcelona, August 25-27, 2024**
- **UAE - SPE International Health, Safety, Environment, and Sustainability Conference and Exhibition 10–12 September 2024, Abu Dhabi, United Arab Emirates**
- **UK – Water, Waste & Environmental Monitoring – 9-10 October 2024, NEC, Birmingham, UK**

UPCOMING EVENTS (CONTINUED)

SOME OTHER INFORMATION

- IOPC Funds has released a calendar of its upcoming events – to view, click on <https://iopcfunds.org/news-events/events/>
- Econext has released a programme of upcoming courses and webinars. This can be viewed at https://econext.myvirtualcampus.co/product-category/webinars/?orderby=date&mc_cid=9c2c758fcd&mc_eid=6a430f153
- Recordings of past ExxonMobil OSR Knowledge Transfer Webinar Recordings – [Access and Download](#)
- UK & Ireland Spill Association Alternative Marine Fuels and their Implications For Spill Response Webinar is [available to watch on YouTube](#). All six of UK & Ireland Spill Association’s Webinar Series on the Wakashio Spill are also available to watch. [More info](#)

ONLINE PODCASTS

TIME BOMBS AT THE BOTTOM OF THE SEA – POTENTIALLY POLLUTING SHIPWRECKS

Soundcloud Greenseas / [Listen to the Podcast](#)

UPDATES FROM EVENT ORGANISERS

USA: CLEAN WATERWAYS 2024 – REGISTRATION NOW OPEN - CLICK ON LINKS BELOW

If you have leftover funds in your marketing budget from last year, use it to invest in your business for 2024 and secure participation at the [CLEAN WATERWAYS Conference](#), April 9-11 in Cincinnati, OH. We are accepting exhibit/ sponsorship applications and registration is open.

[DISCOUNTS](#) [PRELIMINARY AGENDA](#)

Registration has officially opened for the 2024 CLEAN WATERWAYS Conference, taking place at the Duke Energy Convention Center in Cincinnati, OH, April 9-11. [Registration information](#) 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

USA: REGISTRATION NOW OPEN FOR IOSC 2024

[International Oil Spill Conference \(IOSC\)](#) in New Orleans, May 13-16, 2024

[FILM FESTIVAL & PHOTOGRAPHY CONTEST](#)

To qualify for a discounted registration rate, you MUST reserve a room at an [IOSC Hosted Hotel](#). Your room must be booked by the Hosted Hotel cutoff date to receive the discounted rate. Please note that each hotel has their own cutoff date. IOSC will perform an audit on the housing block on April 15. Those that have not booked within the block by the respective hotel cutoff date will have their registration rate changed to reflect the difference.

Registration has officially opened for the International Oil Spill Conference (IOSC), May 13-16, 2024 at the New Orleans Convention Center in New Orleans, LA USA.

In order to make it as easy as possible for you to join nearly 2,000 members of the international oil spill response community, IOSC has put together a Justification Toolkit to help you illustrate the value of attending this conference. Use the tools in this kit to explain to your supervisor how attending IOSC will be a smart investment in both your personal career growth and the growth of your organization. [Download the Justification Kit](#)

Meet Dr. Leonard Marcus, IOSC 2024 Keynote Speaker. Join us, May 13 - 16, 2024 in New Orleans, LA for the 2024 International Oil Spill Conference (IOSC) and be inspired by our opening keynote speaker, Dr. Leonard Marcus. [Read about Dr. Marcus](#)

[Why are Sponsorships at IOSC So Valuable?](#) Click to read more

IOSC 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.

UPDATES FROM EVENT ORGANISERS (CONTINUED)

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 GULF CONFERENCE & EXHIBITION 2024

November 18-20, 2024 George R. Brown Convention Center | Houston, TX

Registration for the 2024 event will open in April and Exhibit and Sponsorships are already available! Contact Renie Mayfield at 720-289-7008 or rmayfield@accessintel.com to discuss how you can make an impact on buyers from oil & gas, maritime, rail, environmental companies and regulatory agencies with an Exhibit space or Sponsorship. [More info](#)

JOB VACANCIES

APPOINTMENT OF AN INLAND ASSESSOR FOR INTERNATIONAL SPILL ACCREDITATION SCHEME (ISAS)

Due to a forthcoming retirement, a vacancy will exist within a few months for an Assessor to manage the accreditation of Inland Spill Response companies and the accreditation of spill response courses provided by training companies.

ISAS has a well-developed and functional accreditation scheme for the assessment of companies involved in Inland Spill Response.

Assessors manage a rewarding process as companies grow in confidence and professionalism during the accreditation process. The assessor builds on his/her knowledge and develops a close bond with the company knowing that what the assessor is doing will make a difference.

Assessors are sub contractors and are experienced professionals with experience of attending and managing spill response incidents who may have worked for a spill response organisation, environment agency, emergency service with an understanding of response, mitigation techniques and have the ability to liaise with external stakeholders.

More details at: <https://ukeirespill.org/appointment-of-an-inland-assessor-for-international-spill-accreditation-scheme-isas/>

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

US EPA: FORMAL SOLICITATION REQUEST FOR PROPOSALS ERRS VI: EMERGENCY RESPONSE

[More info](#)

LINKS FOR OTHER PUBLICATIONS

TO VIEW LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS PLEASE CLICK ON

<https://spillcontrol.org/2021/10/19/links-for-downloading-and-reading-other-publications/>

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

EUROPE: EMSA NEWSLETTER FOR JANUARY 2024

The latest EMSA newsletter has now been published, with updates on the extension of the ETS to maritime and the resources and information available for maritime stakeholders on the changes. Also in this month's edition, we've got updates on the 9th Automated Behaviour Monitoring (ABM) and Advanced Analytics workshop, and the final seminar in the ten-year accident investigation training cycle! Plus, all the latest on our new Greening Award Initiative, held jointly with the European Fisheries Control Agency (EFCA), and the European Border and Coast Guard Agency (Frontex).

<https://www.emsa.europa.eu/newsroom/latest-news.html>

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/>



Marine Pollution Control Worldwide Problem Solvers Since 1968

PLAN Tactical Response Planning	PROTECT Monitoring and Plan Improvement
PREPARE Training, Drills and Exercises	RESPOND On Land and Sea

Marine Pollution Control
+1 (313) 849-2333 - 24/hour
www.MarinePollutionControl.com

MPC IS OSRO #003



[CLICK ON THE ABOVE ADVERTISEMENT FOR MORE INFORMATION](#)

USA: NOAA OR&R INCIDENT RESPONSES FOR DECEMBER 2023

In 2023, OR&R has provided support for 162 incidents. During December, OR&R provided response support for 25 incidents, including 13 new incidents in nine different states. The 13 new incidents included 10 actual or potential oil spills, two chemical incidents, and one "other" – a dead fin whale. OR&R staff prepared 153 incident reports and documents, including five fate and trajectory analyses. Cumulatively, these incidents posed an approximate risk of more than 168,000 gallons of oil and chemicals. Read more about NOAA OR&R Incident Responses at -

https://blog.response.restoration.noaa.gov/incident-responses-december-2023?utm_medium=email&utm_source=GovDelivery



Above - The Olympic Pipeline spill emergency response in Conway, WA. Photo shows Hill Ditch and SR 534 looking south. The boom in the lower left of the photo is capturing the spilled gasoline for collection by a skimmer connected to the vacuum trucks parked on the bridge. Image credit: Washington Department of Ecology.

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

- [Explosion and Fire at Tradebe Environmental Services](#); Bridgeport, CT
- [Sheen in/near Bar Harbor South Marina](#); Ketchikan, AK
- [Fire onboard M/V *Genius Star XI*](#) near Dutch Harbor, AK
- [Sodium Chlorate Spill](#), Port of Seattle; Seattle, WA
- [Fuel Spill from Fishing Vessel](#); Tampa, FL
- [Submerged Barge](#), Newtown Creek; Brooklyn, NY
- [Diesel Spill from Fuel Tank at Fire Station](#); Point Lay, AK
- [Pusher Tug Capsized/Sunk](#), Willamette River; Gladstone, OR
- [Fin Whale Carcass on Pacific Beach](#); San Diego, CA
- [Olympic Pipeline Gasoline Spill at Conway Station](#); Skagit County, WA
- [Jet Fuel Spill from Tanker Truck at JFK Airport](#); New York, NY
- [Sailboat Aground off Plymouth, MA](#)
- [Potential Vessel Discharge](#), West Cameron 513 block; Offshore Texas

USA: DELAWARE - SPILL IN THE DELAWARE RIVER:

January 22 - The spill in the Delaware River occurred when a toxic substance, yet to be identified, was released into the river. As a result, a large amount of flora and fauna have suffered significant damage, and nearby communities are facing serious health and well-being risks.

As experts and response teams work to contain and clean up the spill, it is vital to understand the magnitude of the consequences and the measures being taken to mitigate negative effects and prevent future similar incidents. Motorblog / [Read more](#)

CHINA: CREW RESCUED AS BULKERS COLLIDE OFF SHANGHAI

January 24 - Two foreign-flagged bulkers operating near the Yangtze River collided early on Tuesday, January 23, during storms in the area. Chinese and Turkish officials are reported that the crew was safely evacuated from a damaged Turkish-owned vessel while both ves

Weather forecasters were predicting winds of over 30 mph and seas running above 15 feet. The bow of the Mirabella was reportedly damaged in the collision while the Omega began taking on water in one of its cargo holdssels were being anchored.

Chinese officials are reporting that rescue boats and helicopters were dispatched along with a salvage tug. When they reached the scene, they reported the Omega was drifting and in danger of sinking. The Maritime Executive / [Read more](#)

IRELAND: EPA INVESTIGATING GAS OIL SPILL IN CORK

January 24 - The Environmental Protection Agency is investigating following a spill of gas oil into Cork Harbour on Monday.

In a statement, the EPA confirmed it was notified of a spill of gas oil by Irving Oil Ltd. The site operator also notified the Port of Cork, Irish Coast Guard, Cork County Council, the Health and Safety Authority and local businesses. An inspection at 9am on the morning of January 22 discovered that gas oil had leaked from a small gauge pipe onto a marshy area below it and then into Cork Harbour.

"A spill response team was mobilised by the operator and the leak was contained by 1pm. The damaged equipment was repaired at 7pm on Monday evening," the EPA statement said. EchoLive / [Read more](#)

GULF OF ADEN: TRAFIGURA TANKER ON FIRE AFTER BEING HIT BY HOUTHY MISSILE

January 26 - A Houthi missile has struck a product tanker operated for Trafigura, the commodity trading firm with the company confirm the vessel is on fire. It is the second report of attacks by the rebel group against tankers today. UK Maritime Trade Organization also confirmed the reports saying assistance is being provided.

UK-based digital solutions provider Vanguard was first to report that the Marshall Islands-flagged Marlin Luanda was struck during the second attack. The vessel is a 110,000 dwt product tanker traveling from Morocco and reported having transited the Suez Canal last weekend. The AIS signal shows the vessel heading to Singapore. Unconfirmed reports are that the vessel was carrying a load of highly flammable naphtha loaded in Russia.

UK Maritime Trade Organizations confirmed that it received a report saying the vessel was on fire and requesting assistance. They put the location as 60 nautical miles southeast of Aden, Yemen, similar to the location of the first report of an explosion earlier in the day observed by the Marlin Luanda. The Maritime Executive / [Read more](#)

January 26 - The Houthis continued targeting ships in the Red Sea and Gulf of Aden firing several missiles toward both tankers and a U.S. warship earlier today. This comes despite the efforts by the U.S. and UK to degrade the Houthis' capabilities and as the group vows to continue its attacks until the Palestinians are safe and there is an end to the war in Gaza.

U.S. Central Command reported at midday the Arleigh-Burke class destroyer USS Carney was once again involved in the strikes. They reported that one anti-ship ballistic missile was fired toward the warship from Yemen. The alert says the USS Carney successfully shot down the missile with no injuries or damage, but a Houthi spokesperson on X tried to infer the vessel had been hit. The Maritime Executive / [Read more](#)

Legal disclaimer: Whilst ISCO takes every care to ensure that information published in this newsletter is accurate unintentional mistakes can occur. No liability for consequences of errors is accepted but, if an error is brought to our attention, a correction will be printed in a following issue of this newsletter. Products and services featured in the ISCO Newsletter and/or the ISCO website, including the International Directory of Spill Response Supplies and Services, have not been tested, approved or endorsed by ISCO. Any claims made by suppliers of products or services are solely those of the suppliers and ISCO does not accept any liability for their accuracy. It should not be assumed that views and opinions expressed in linked reports, articles and other content reflect the views of the organization. Subscription is subject to acceptance of ISCO's Terms and Conditions as published on the website www.spillcontrol.org and your acceptance of ISCO's Data Protection and Privacy Policy.
