

## ISCO & THE ISCO NEWSLETTER

The International Spill Control Organization, a not-for profit organization dedicated to raising worldwide preparedness and co-operation in response to oil and chemical spills, promoting technical development and professional competency, and to providing a focus for making the knowledge and experience of spill control professionals available to intergovernmental, governmental, NGO's and interested groups and individuals

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

### ISCO EXECUTIVE COMMITTEE

#### President, Secretary General & Vice-Presidents

- Nominee for an Acting President (TBA)
- Mr Neil Marson, Secretary General (UK)
- Mr John McMurtrie, VP and Editor (UK)
- Ms Mary Ann Dalgleish, VP M'ship (USA)

#### Other Executive Committee Members

- Mr Kerem Kemerli (Turkiye)
- Mr Marc Shaye (USA)
- Mr Dan Sheehan (USA)
- Captain Bill Boyle (UK)
- Lord Rickaby (UK)
- Mr Matthew Sommerville (UK)

#### COUNCIL (National Representatives)

- Mr John Wardrop (Australia)
- Mr Elkhan Mamedov (Azerbaijan)
- Dr Merv Fingas (Canada)
- Captain D. C. Sekhar (India)
- Major Ben Benny (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)
- Dr Timothy Gunter (USA)
- Mr Flavio P. de Andrade (Brazil)
- Mr Kerem Kemerli (Turkiye)

#### SECRETARIAT (Core Management Team)

- Mr Neil Marson (UK)
- Mr John McMurtrie (UK)
- Ms Mary Ann Dalgleish (USA)
- Captain Bill Boyle (UK)
- Mr John Wardrop (Australia)
- Mr Marc Shaye (USA)
- Mr Michael Watson (UK)

## HEADLINE INTERNATIONAL NEWS

PLEASE CLICK ON THE BANNER BELOW FOR MORE INFORMATION



## STRENGTHENING NATIONAL OIL SPILL CONTINGENCY PLANS IN CENTRAL AND EASTERN MEDITERRANEAN COUNTRIES

October 26 - A series of workshops is underway through which IMO is providing support to Central and Eastern Mediterranean countries in oil spill contingency planning. Events have taken place in Bar, Montenegro (13-14 October), Durres, Albania (18-20 October) and Tekirdag, Türkiye (24-26 October), with a further one due in Cairo, Egypt next month (22-23 November).

The in-person workshops are delivered by the [Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea \(REMPEC\)](#) through IMO's [Integrated Technical Cooperation Programme \(ITCP\)](#). They provide support on each State's National Oil Spill Contingency Plan (NOSCP) which form the foundation for an effective and sustainable oil spill preparedness and response framework. The workshops also facilitate effective implementation of the [International Convention on Oil Pollution Preparedness, Response and Co-operation \(OPRC\)](#).

The activities are aimed at stakeholders and government personnel involved in responding to oil pollution incidents. Participants are provided with the knowledge needed to make the NOSCP appropriate for responding to oil spill incidents and, by identifying any gaps or shortcomings in national plans/national oil spill preparedness and response programmes, to make necessary updates.

Table-top and discussion-based exercises are used to build capacity and test response systems to identify areas that require improvement. [ARPEL's RETOS tool](#), developed with support from IMO, is used to assess and analysis the level of preparedness of these target countries.

This targeted assistance is a result of a subregional workshop on the assessment of the level of oil spill response planning and readiness management, which was delivered by REMPEC in 2021.

The Mediterranean Regional Trust Fund for the Protection of the Mediterranean Sea Against Pollution has enabled REMPEC to deliver similar national activities this year in Piraeus, Greece (5-6 July), Monaco (online 26-27 July); Koper, Slovenia (21-23 September), Zagreb, Croatia (26-28 September), Larnaca, Cyprus (27-29 September), Libya (online 24-26 October). Workshops are due to be held, too, in Israel (April 2023), and the Syrian Arab Republic (online in 2023). <https://imo.org/>

## 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  
Wu Yue China

## MEMBERSHIP OF ISCO

[Benefits of Membership](#)  
[Online Membership Application Form](#)

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



Click on the link below –

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



## AND 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/KMxdW7IEal79namyNlbVqg>

## 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 Professional Membership](#)  
[Professional Membership Application Form](#)

## ISCO NEWS

# ISCO NEWS

## ISCO AT CLEAN GULF IN NEW ORLEANS, 8-10 NOVEMBER, 2022

You are invited to visit ISCO at Booth No. 128 in the Exhibition Hall.

Helena Rowland will be on hand to welcome you and answer your questions on ISCO's current activities, the services we provide for the spill response community and our latest new developments.

Don't forget to leave your business card for a chance to win a bottle of Fine Scottish Malt Whisky in our traditional draw – The winner will be announced on the last day of the show.

Carlos Sagrera, ISCO's Representative for Latin America (Spanish speaking) will be there too. Within the accompanying conference, Carlos will be on the panel entitled International Response Case Studies – Part II, with a presentation entitled: Management of a Tier III Spill in Latin America: A Worst- Case Scenario in Peru (<https://www.cleangulf.org/conference-program/>). This should be a very interesting presentation.

At Clean Gulf you will meet other ISCO Corporate Members in the Exhibition and many other members will be participating in the Conference.

## REPORT: ISCO MEMBERS OCTOBER MEETING

ISCO's Monthly Zoom Meeting open to Members, Students and Volunteers took place on Thursday 27<sup>th</sup> October. Those present were –

Neil Marson, Secretary-General  
Mary Ann Dagleish, VP (Membership)  
John McMurtrie, VP (Editor)  
Carlos Sagrera, ISCO Representative for Latin America (Spanish speaking)  
Mike Watson, ISCO Secretariat Member  
Dr Merv Fingas, Member of ISCO Council  
Dan Sheehan, Member of ISCO Executive Committee  
Larissa Montaz, ISCO Member  
Asime Oba, ISCO Student Member  
Jane Delgado, Representative of ISCO Industry Partner, OHMSETT  
Helena Rowland, ISCO Member

Short report based on notes taken. Apologies for any omissions.

Mike Watson spoke about the new Bootcamp Communications Platform which will have a key role in implementing the Action Plan developed by John Wardrop, especially in relation to the organisation and management of Working Groups. Each "Meeting Room" will be private with access restricted to invited WG members only. This means that members of each WG can feel reassured that their inputs will only be shared with their invited colleagues on the particular WG to which they belong. Work on preparing for a phased launch of the platform will now proceed apace with the aim of having it up and running ASAP.

- Preparations for Clean Gulf are well in hand – new hand outs (English and Spanish language) detailing the advantages of ISCO membership will be ready. Helena and Carlos will be in attendance, aiming to increase awareness of ISCO and grow membership.
- Carlos will be looking to reach out to lapsed members in the Latin-American community.
- The meeting thanked Merv for his very much appreciated column in the ISCO newsletter.

### VARICHEM GROUP HOLDING

Varichem de Colombia has a presence in Paraguay, Bolivia and Peru with all our Services & Products.

- Varichem del Cono Sur
- Varichem de Colombia Branch Bolivia
- Varichem de Colombia Branch Perú
- Varichem Offshore Services  
Free Trade Zone user in the Caribbean  
Zona Franca Las Americas

[Click here to contact us for more information](#)



### FASTANK

The World's Leading Portable Containment Tanks



Successfully serving our industry and environment for 40+ years

[www.fastank.com](http://www.fastank.com)  
[info@fastank.com](mailto:info@fastank.com)



**YOU CAN PLACE AN  
ADVERTISEMENT  
HERE**

**For information contact  
Mike Watson at  
spillcontrol@mwadigital.com**

- Mary Ann stressed the need to need to raise ISCO's profile – We should not assume people know about ISCO, its aims, what it does, etc. There are far too many people in our community who know nothing about ISCO.
- Asime will be submitting a proposal for funding sources and other help for student members. He is currently planning to study for a PhD at Kansas University.
- Dan will also be looking at opportunities for student members, in particular by reaching out to US organisations like the US Coast Guard, for student opportunities
- Lariissa advised that she will be continuing her post-doctoral studies at the University of Miami and confirmed her interest in helping ISCO to grow and develop.
- Dan spoke about his recent discussions with the IMO-sponsored World University in Malmo, the WMU's interest in marine pollution control and his interest in developing an engagement between ISCO and WMU.
- Attendees discussed initiatives to develop closer working relationships with other organisations – MOUs, Co-operation Agreements, etc. - and to build on our existing Industry Partner relationships (for example, INTERTANKO, Sea Alarm Foundation, Mediterranean Oil Industry Group, Texas A&M University, CEDRE, etc. Carlos will be speaking to people he knows within organisations attending Clean Gulf, including ITOPF and others.
- It was agreed that a list be compiled of organisations with which ISCO should consider making formal alliances.
- Larissa is hoping to attend and join the ISCO team at Clean Gulf. ISCO has offered to cover her expenses and the meeting attendees all hope she will be able to make it.

- ISCO Student Group leader Peter is currently in London and Matthew Sommerville will facilitate his visit to the IMO HQ.

## INTERNATIONAL & REGIONAL NEWS

### IMO AWARDS CEREMONY AND TRIBUTE TO MR. WILLIAM O'NEIL, IMO SECRETARY-GENERAL EMERITUS

October 26 - At its 127th session in July 2022, the Council of the International Maritime Organization (IMO) determined the recipient of the International Maritime Prize for 2021 to be Professor David Joseph Attard, nominated by the Government of Malta. The Council also endorsed the Secretary-General's proposal to present special certificates to the other candidates for the Prize, namely, Captain M. Segar Abdullah, nominated by the Government of Singapore and Professor Dr. H.C. Peter Ehlers, nominated by the Government of Germany.

The Council further endorsed the decision of the Panel of Judges that, from among the 41 candidates nominated by 17 Member States and two non-governmental organizations in consultative status with IMO, Mr. Bo Xu, Chief Officer of the M/T Jian Qiao 502, nominated by China, should receive the 2022 IMO Award for Exceptional Bravery at Sea. In addition, the Council agreed that Certificates of Commendation, in recognition of their acts of bravery, should be awarded to recipients nominated by France, India, Japan and the United States.

In this connection, kindly be advised that a special tribute to Mr. William O'Neil, IMO Secretary-General Emeritus, will take place at the beginning of the ceremony. IMO is pleased to share a special edition of the IMO News, published in 2003, which pays tribute to his career and achievements: IMO News Issue 4, 2003.

For further information, the ceremony programme can be viewed and downloaded here: <https://indd.adobe.com/view/5b24f521-bb4c-4dff-b2a2-c080200c2162> For those who cannot attend in person, the ceremony will be live streamed from 6 p.m. (UTC) at: <https://streaming.imo.org/> Please feel free to share this link and information with any interested party, so that we can reach the widest audience possible for this special event. IMO / [Read more](#)

## NEWS REPORTS FROM AROUND THE WORLD

### CANADA: COAST GUARD AND THE HEILTSUK NATION ANNOUNCE \$5 MILLION PILOT PROJECT TO SUPPORT DEVELOPMENT OF HEILTSUK MARINE RESPONSE TEAM

October 26 - Indigenous coastal communities share ties to Canada's oceans that span generations. Through the next phase of Canada's Oceans Protection Plan, the Government of Canada is working with First Nations to further improve how we respond to marine emergencies. Today, the Minister of Fisheries, Oceans and the Canadian Coast Guard, the Honourable Joyce Murray, and the



Heiltsuk Nation announced the start of the Heiltsuk Marine Emergency Response Team pilot project to enhance marine safety on the Central Coast of British Columbia.

Through the Oceans Protection Plan, the Canadian Coast Guard is providing over \$5M to immediately launch a pilot project to support the development of the Heiltsuk Marine Emergency Response Team. This team will be integrated into the federal marine preparedness and response system as a third-party responder to marine pollution incidents. The project will include engaging with community members, on-water exercises and training, procuring equipment, and developing response strategies within the Heiltsuk territory. Canadian Coast Guard / [Read more](#)

### CANADA: WINNERS ANNOUNCED FOR OCEAN CHANGEMAKERS CHALLENGE

October 27 - Three inspiring innovators, leading the way for a sustainable ocean economy, have won the World Ocean Initiative's Ocean Changemakers Challenge, supported by Destination Canada. The competition aims to showcase the outstanding changemakers—mainly early-career researchers or professionals—working to develop business solutions to ocean-related sustainability challenges. From 84 finalised entries, our jury selected 10 shortlisted candidates, among which were chosen the three winning entries:

- Tom Loeffler, chief executive, Hullbot
- Miranda Alldritt, chief business officer, Bioform Technologies
- Nadia Febina, co-founder, Lumare Energi

The World Ocean Initiative team had the pleasure of meeting the three winners during a special changemakers session at the World Ocean Tech and Innovation Summit in Halifax earlier this month. To help bring the changemakers' ideas to life, winners were awarded guidance from three renowned ocean leaders as part of a 12-month mentorship programme. The World Ocean Initiative will report on their progress over the next 12 months. World Ocean Initiative / [Read more](#)

### CROATIA: MOIG WORKSHOP OPATIJA 2022

October 28 - From the 25th of October to 27th of October a regional workshop was held in the Ambassador hotel in Opatija, Croatia on the topic of Enhancing Oil Spill Preparedness and Response in the Adriatic and Mediterranean Regions. The workshop was organized by MOIG, ATRAC and JANAF, and it was attended by over 40 participants from Mediterranean countries and UK. Participants of this workshop included representatives Croatian and European response companies, as well as a Turkish and English equipment manufacturers and national maritime authorities of Croatia and Slovenia.

The programme of this workshop contained six sessions over the course of three days, and these sessions were of great importance for Mediterranean countries. The sessions were: 'Contingency planning & Regulatory and legal requirements', 'Regional initiatives and activities in the Adriatic and Mediterranean regions', 'Oil spill modeling and training', 'Spill preparedness capability and response management', 'Oil spill response services and new technology' and 'National and regional emergency response'. While the first two days of workshop were held on the hotel premises, the last day was used for a visit to the oil terminal JANAF on the Krk island.

<http://www.atrac.hr>

### GREECE: HELMEPA 40TH ANNUAL ORDINARY GENERAL MEETING

October 25 - The Board of Directors of the Hellenic Marine Environment Association (HELMEPA) convenes the 40th Annual Ordinary General Meeting with physical presence on Tuesday, November 29, 2022, at 12:00 at the hotel "Grand Hyatt Athens" in Athens, on Leof. Syggrou no. 115 and then online between 13:00 – 17:00. HELMEPA / [Read more](#)

### MEXICO: PROTECTING COASTAL WATERSHEDS YIELDS MANY BENEFITS

October 21 – From GEF - The goal of [the project](#) “Conservation of Coastal Watersheds in the Context of Changing Environments” was to promote the conservation of protected areas and support sustainable locally-run agroforestry through improved management of the coastal watersheds surrounding them.

Three government agencies – the National Commission for Protected Areas, the National Forestry Commission, the National Institute of Ecology and Climate Change – worked closely together, from project design through to roll-out. The public-private partnership also included the privately run [Mexican Fund for the Conservation of Nature](#). GEF / [Read more](#)

### PHILIPPINES: COAST GUARD ADVANCES 4-DAY DRILL IN COMBATING LARGE-SCALE OIL SPILL

October 27 - The Philippine Coast Guard (PCG) has completed the four-day National Marine Pollution Exercise (MARPOLEX) on Thursday, Oct. 27, which it said, aims to advance the country's preparedness and capacity in combatting large-scale oil spillage at sea.

PCG Commandant, CG Admiral Artemio M Abu said this is the first time the Philippines hosted a national training on marine pollution drill held at the vicinity water of Manila Bay on October 24 to 27. Manila Bulletin / [Read more](#)

## TUNISIA: SUB-REGIONAL SEMINAR ON LIABILITY AND COMPENSATION

October 21 - The IOPC Funds took part in a two-day sub-regional seminar on liability and compensation for both oil pollution damage, and damage caused by Hazardous and Noxious Substances (HNS), from 18 to 19 October 2022, in Tunis, Tunisia. The seminar was organised by the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC) for representatives of government authorities from Tunisia, Algeria and Morocco. IOPC Funds / [Read more](#)

## UK: MCA - GUIDANCE CONCERNING THE INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL) SURVEYORS

October 27 – Updated documents from the Maritime & Coastguard Agency MCA / [Read more](#)

## USA: SUPREME COURT TRIES AGAIN TO DEFINE REGULATED WATERS

October 18 - “So, if the federal government doesn’t know (what a regulated water is), how is a person subject to criminal time in federal prison supposed to know?” – Excerpt from Justice Gorsuch responding to the attorney for the USEPA

It has been a very busy year as it relates to environmental policies and regulations. We have covered the quickly developing Environmental Justice issues, the designation of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), and the increased scrutiny over climate-related issues by the US Security and Exchange Commission.

However, we cannot forget that we are anticipating news on the definition of Waters of the United States (WOTUS) on two fronts – the proposed new rule (published in the federal register on December 7, 2021) as well as a ruling by the US Supreme Court of the United States (SCOTUS). Dragun Corporation / [Read more](#) [Thanks to Marc Shaye, Hon.FISCO]

## USA: LATEST NEWS REPORTS FROM NOAA OR&R

October 24 – Please click on the links below to download and read the latest News Reports from NOAA OR&R

### OR&R Scientists Share Spill Science Updates at International Conference

In early October, OR&R Director Scott Lundgren, along with several OR&R scientists, traveled to Halifax, Nova Scotia to participate in the International Oil Spill Science conference. This conference was an in-depth scientific conference capping the first phase of the Canada Multi-Partner Research Initiative funded under Canada's Oceans Protection Plan.

### \$10.6 Billion for Restoration, New Map on NOAA Pollution Settlements

A new map synthesizes more than 30 years of NOAA oil spill and hazardous waste pollution settlements. In total, NOAA has helped recover \$10.6 billion for restoration from settlements across the United States.

### NOAA Career Journeys: Women in Conservation Present to California State University Channel Islands

On Oct. 13, Christy Kehoe, the California regional coordinator for the NOAA’s Marine Debris Program, within the Office of Response and Restoration, presented at the virtual California State University Channel Islands Women in Conservation Session Speaker Series.

### NOAA Career Journeys: Seattle High Schoolers Inspired by Career in Marine Debris

On Oct. 6, Andrew Mason, the Pacific Northwest regional coordinator for NOAA's Marine Debris Program shared his NOAA career story, including that of starting as an intern before becoming a contractor and eventually a federal employee, with seniors from Highline High School in the Seattle area.

## USA: COLLECTION OF CONCORDANT MULTIMEDIA MEASUREMENTS TO EVALUATE PFAS HUMAN EXPOSURE PATHWAYS GRANTS

October 29 - EPA awarded \$748,180 in grant research funding to support research to better understand important exposure pathways of per- and poly-fluoroalkyl substances (PFAS) in selected study communities.

The pervasive nature of PFAS-containing products, their resistance to environmental degradation, their mobility, and their potential for bioaccumulation and toxicity present serious environmental health challenges. In addition, PFAS chemicals may be present in and released from a vast number of building materials and consumer products in residential environments. Measurement data on the nature and level of PFAS in the residential environment and diet is required to understand and mitigate important pathways for human exposure.

The research from these awards will advance PFAS exposure measurement methodologies with biomonitoring data and lead to the development of evaluated protocols for measuring a targeted set of PFAS chemicals in a residential environment.

Environmental Protection Agency / [Read more](#)

## PEOPLE IN THE NEWS

### IMO TRIBUTE TO MR. WILLIAM O'NEIL, IMO SECRETARY-GENERAL EMERITUS



October 26 - A special tribute to Mr. William O'Neil, IMO Secretary-General Emeritus, will take place at the beginning of the IMO Awards Ceremony taking place on Wednesday 2<sup>nd</sup> November 2022.

IMO is pleased to share a special edition of the IMO News, published in 2003, which pays tribute to his career and achievements: IMO. You can download and read the special edition at [IMO News Issue 4, 2003](#).

This special edition of the IMO News contains many tributes written in appreciation of Bill O'Neill's time at the helm of IMO. Here is a short extract from a tribute written by Michael Gray in Lloyds List

"In the fourteen years in which Mr William O'Neil has been Secretary-General of IMO, the Organization has matured and arguably has become less remote from the maritime industry itself. In this development, the presence of practitioners, either as part of national delegations and the organizations with observer status, has helped to knit together the fabric of an IMO that is seen by industry and regulators alike as a businesslike and responsive Organization. Those in the industry who, at one time might have been sceptical of the direct relevance of the IMO to their businesses, are today appreciative of a Secretary-General who, as a professional engineer understands the blending of men and machinery that underscores successful shipping and is an able ambassador for an essential world industry".

## 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 50 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](mailto:John.McMurtrie@spillcontrol.org)

No news received from members this week.

## CASE HISTORY

### VANUATU: AN INCIDENT AND RESPONSE IN VANUATU, IN AUGUST 2022.

October 17 - On Wednesday 17 August, the fuel delivery motor barge WESTERN STAR caught fire while transferring fuel to a shore station, at the SW bay, Malekula Island, adjacent to the village of Wintua, 160km northwest of Port Vila. Three crew were reported as injured. It burnt out completely, creating large plumes of smoke over a nearby village. Initially the barge cargo was unknown but reported as being 80 - 90 cubic metres of automotive diesel and an unknown quantity of petrol and Avgas (containing tetraethyl lead additives). The intense and thick black smoke indicated something else. Nonetheless, the smoke would contain toxic chemicals, the unburned spilled oil would contaminate the local marine environment, and so environmental, food and health threats were considered most urgent. As the barge had burnt out completely and was quickly salvaged, the Vanuatu Maritime Safety Authority (VMSA) initially gave the incident a low priority, until an updated risk assessment suggested otherwise.

Further investigations revealed 135 tonnes diesel below decks survived the fire, as did the 1.6 cu metres of Avgas in IBCs on deck. The source of the smoke, spill and oily shoreline residues turned out to be 30 cu m of petrol and 17 cu m of waste engine oil in plastic IBCs collected on the trip so far.

The investigation was supported by a large number of international and national Agencies. SPREP (sent me from Honiara to advise), the Australian Maritime Safety Authority (AMSA), donated one of their new forensic sampling kits, the Australian High Commission who supported the charter flight to Malekula, and the Australian Defence Force, who carried the samples to Australia, where, Australian Biosecurity, permitted their arrival, and University of Queensland accepted these, and then dispatched them to Perth for ChemCentre for analysis. Vanuatu agencies had the extra challenges of the Vanuatu Parliament having been dissolved, creating uncertainty for officials and their funding, and the distractions of the Vanuatu Public Service Commission Week festivity, including a parade and conference. Nonetheless, VMSA supported the investigation, and rallied a nine person team of officials (Environment,

## CASE HISTORY (CONTINUED)

Fisheries, Health, Water Resources and Maritime) to undertake the investigation, where we focused on the forensics of risks, threats and impacts.

Initial observations and analysis, and with an abundance of caution, it was recommended to community and other officials, that because of clear evidence of residual oil and smoke residues, that until further notice:

- Children should be kept off the beach and away from direct contact with residues
- No swimming in that same stretch of coast as slicks observed in the water
- No seafood should be collected from there also, especially deposit feeders
- All local potable water tanks drained and flushed in next big rain
- A foot bath for cleaning feet and shoes should be set up for people with oil on feet to stop tracking around. Soap and covid hand cleanser (alcohol based) can get oily residue of skin.
- Caution should be exercised around washing hands, feet, clothes, local vegetables and fruit.

Although in international terms, a small spill and localised impacts, the strong and close relationship remote Pacific villages have with their coastal and marine environment, means impacts can be much larger and more significant. As SPREP is now assisting governments like Vanuatu to update and improve their spill planning and response capabilities, it is a timely reminder that nowhere is immune to such incidents and impacts, although contained can be more than just oil on the water.

[Thanks to Paul Irving, SPREP. <https://www.sprep.org/>]

## SCIENCE & TECHNOLOGY

If you are interested in new technology you might 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/>

### MIXED PLASTIC WASTE CONVERTED INTO USEFUL MATERIALS IN DUAL CHEMICAL–BIOLOGICAL APPROACH

October 19 - A new process converts mixed plastic waste into a single useful chemical feedstock. The procedure uses a combination of chemical and biological methods to upcycle three common plastics, and could offer a way to improve recycling processes by eliminating the need to first sort and separate different waste materials.

‘We wanted to develop processes that would enable the conversion of mixed plastic waste that’s quite heterogeneous,’ says Gregg Beckham from the National Renewable Energy Laboratory in Colorado, US. ‘The motivation, in that respect, was really to attempt to avoid the expensive and quite tedious sorting of mixed plastic waste. And in many cases plastic waste is actually physically bonded together – like in multiplayer packaging, or in textiles.’

Beckham’s team, which includes researchers from the Bottle research consortium, the University of Wisconsin, and the Massachusetts Institute of Technology, has now demonstrated a two-step process that first breaks down mixed plastic polymers with a catalytic autoxidation reaction and then feeds the oxygenated products to a genetically engineered bacterium. This funnels the various compounds produced during the first stage into one of two possible bioproducts.

The process uses polystyrene, high-density polyethylene and PET plastics as feedstocks, eventually converting them into either polyhydroxyalkanoates – a natural polyester – or  $\beta$ -ketoadipate, which can be used to make performance-enhanced nylons.

Chemistry World / [Continue reading this article by Jamie Durrani](#)

## DEVELOPING TECHNOLOGY

### USING CARBON NANOMATERIALS TO CLEAN UP OIL SPILLS

October 20 - Nanomaterials (materials with at least one dimension measuring between 0.1 nanometers and 100 nanometers) offer numerous advantages over traditional methods for cleaning up oil spills. For example, they can provide multiple sorption sites. These materials also have a relatively large surface area, exhibit short intra-particle diffusion distance, and can be modified in low-temperature environments with relative ease. The pore size of nanomaterials can also be finely tuned.

Metal-oxide nanoparticles have been put forward by some scientists; however, carbon nanomaterials tend to receive the bulk of focus in oil spill remediation research. Carbon nanotubes (CNTs), in particular, are of interest.

CNTs are groups of carbon nanomaterials with a tubular structure, with hexagonal carbon atoms covalently bonded together.

CNTs possess numerous features that make them well-suited for application in oil spill remediation. Carbon nanotubes have low density, are electrically conductive, and have a large specific surface area - a trait shared with all nanomaterials.

These carbon nanomaterials also possess high inherent strength, high adsorption capacity, hydrophobicity, thermal stability, chemical stability, and aspect ratio.

## DEVELOPING TECHNOLOGY (CONTINUED)

Researchers are currently investigating carbon nanotubes for a variety of environmental remediation applications in addition to oil spill management, where organic pollutants and heavy metals must be removed from aqueous media.

A recent paper, published in *Clean Technologies and Environmental Policy* in 2022, provides insight into a specific class of CNTs and their application in oil spill remediation. This review is authored by an international team from institutions in Hungary, Iraq, Korea, Pakistan, Vietnam, and the United States.

The team explored how multi-walled CNTs (MWCNTs) can be used to remove organic pollutants from water. Functionalizing MWCNTs was found to increase traditional adsorbents' sorption capacity multiple times over. Importantly, they were also found to be compatible with green, biodegradable materials, so MWCNTs could be used for non-toxic oil spill remediation.

The review found that functionalization methods for MWCNTs impact their capability for oil spill remediation. They discovered that MWCNTs could be made with even higher sorption capacities and that including MWCNTs in composites with other materials resulted in even more effective adsorption materials. AZO Nano / [Read more](#)

## RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS



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

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.

### 187 Threats and Vulnerabilities for the Globally Distributed Olive Ridley (*Lepidochelys olivacea*) Sea Turtle: A Historical and Current Status Evaluation

Cáceres-Farias, L., Reséndiz, E., Espinoza, J., Fernández-Sanz, H., Alfaro-Núñez, A.  
(2022) *Animals*, 12 (14), art. no. 1837,  
DOI: 10.3390/ani12141837

**ABSTRACT:** The olive ridley (*Lepidochelys olivacea*) is the most abundant of all seven sea turtles, found across the tropical regions of the Atlantic, Pacific, and Indian Oceans in over 80 different countries all around the globe. Despite being the most common and widely distributed sea turtle, olive ridley populations have been declining substantially for decades. Worldwide, olive ridleys have experienced a 30–50% decline, putting their populations at risk and being considered an Endangered Species by the IUCN. Natural habitat degradation, pollution, bycatch, climate change, predation by humans and animals, infectious diseases and illegal trade are the most notorious threats to explain olive ridley populations rapidly decline. The present review assesses the numerous dangers that the olive ridley turtle has historically faced and currently faces. To preserve olive ridleys, stronger conservation initiatives and strategies must continue to be undertaken. Policies and law enforcement for the protection of natural environments and reduction in the effects of climate change should be implemented worldwide to protect this turtle species.

### 188 Diluted Bitumen: Physicochemical Properties, Weathering Processes, Emergency Response, and Recovery

Zhong, X., Li, P., Lin, X., Zhao, Z., He, Q., Niu, H., Yang, J.  
(2022) *Frontiers in Environmental Science*, 10, art. no. 910365,  
DOI: 10.3389/fenvs.2022.910365

**ABSTRACT:** Bitumen, an unconventional crude oil, has received much attention with the increasing consumption and the shrinking storage of conventional crude oils. Bitumen is highly viscous and, thus, is commonly diluted for transportation purposes. Spills of diluted bitumen could occur during the transportation from reservoirs to refineries via pipeline, rail, and marine vessels. Although some laboratory and numerical modeling studies have been contributed to study the spill of diluted bitumen from different aspects, there is no systematic review in the field yet. Therefore, this study first conducted a review on different types of diluted bitumen based on their physicochemical properties, followed by their weathering processes including spreading, evaporation, emulsification, photooxidation, biodegradation, and sinking. Second, the numerical modeling on the fate and behavior of spilled diluted bitumen was summarized and analyzed. Finally, the techniques for spilled oil recovery were discussed, as well as the disposal/treatment of oily waste. Currently, a rare attempt has been made to turn the recovered oily waste into wealth (reutilization/valorization of oily waste). Using the recovered oily waste as the feedstock/processing medium for an emerging thermochemical conversion technique (hydrothermal liquefaction of biomass for crude bio-oil production) is highly recommended. Overall, this article summarized the state-of-the-art knowledge of the spill of diluted bitumen, with the hope to create a deep and systematic understanding on the spill of diluted bitumen for researchers, relevant companies, and decision makers.



## RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS (CONTINUED)

### 189 Transcriptomic responses and apoptosis in larval red drum (*Sciaenops ocellatus*) co-exposed to crude oil and ultraviolet (UV) radiation

Leads, R.R., Magnuson, J.T., Lucero, J., Lund, A.K., Schlenk, D., Chavez, J.R., Roberts, A.P.  
(2022) Marine Pollution Bulletin, 179, art. no. 113684,  
DOI: 10.1016/j.marpolbul.2022.113684

**ABSTRACT:** Ultraviolet (UV) radiation can significantly increase the toxicity of polycyclic aromatic hydrocarbons (PAHs) in crude oil to early life stage (ELS) fishes through photo-induced /photo-enhanced toxicity. However, little is known about the sub-lethal effects and mechanisms of photo-induced PAH toxicity in ELS fishes. The present study investigated apoptosis and global transcriptomic effects in larval red drum (*Sciaenops ocellatus*) (24–72 h post-fertilization) following co-exposure to oil (0.29–0.30 µg/L ΣPAH50) and UV. Apoptosis was quantified using the TUNEL assay, and transcriptomic effects were assessed using RNA sequencing analysis. Apoptotic fluorescence was greatest in the eyes and skin following 24 and 48 h co-exposure to oil and UV, indicating photo-induced toxicity. Consistent with these phenotypic responses, pathways associated with phototransduction, eye development, and dermatological disease were among the top predicted pathways impacted. The present study is the first to provide global transcriptomic analysis of UV and oil co-exposure in an ELS fish.

### 190 Oil-Contaminated Soil Modeling and Remediation Monitoring in Arid Areas Using Remote Sensing

Kaplan, G., Aydinli, H.O., Pietrelli, A., Miele, F., Ferrara, V.  
(2022) Remote Sensing, 14 (10), art. no. 2500,  
DOI: 10.3390/rs14102500

**ABSTRACT:** Oil contamination is a major source of pollution in the environment. It may take decades for oil-contaminated soils to be remedied. This study models oil-contaminated soils using one of the world's greatest environmental disasters, the onshore oil spill in the desert of Kuwait in 1991. This work uses state-of-art remote sensing technologies and machine learning to investigate the oil spills during the first Gulf War. We were able to identify oil-contaminated and clear locations in Kuwait using unsupervised classification over pre-and post-oil spill data. The research area's pre-war and post-war circumstances, in terms of oil spills, were discovered by developing spectral signatures with different wavelengths and several spectral indices utilized for oil-contamination detection. Following that, we use this data for sampling and training to model various oil-contaminated soil levels. In addition, we analyze two separate datasets and used three modeling methodologies, Random Tree (RT), Support Vector Machine (SVM) and Random Forest (RF). The results show that the suggested approach is effective in detecting oil-contaminated soil. As a result, the location and degree of contamination may be established. The results of this analysis can be a valid support to the studies of an appropriate remediation.

## TRAINING COURSES

### 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 – EMSA Academy 2022. [Courses Catalogue](#)
- FRANCE - CEDRE - Click on these links [training catalogue](#) and [2022 calendar](#).
- 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](https://www.ahmpnet.org/events/event_list.asp)

Members who would like to be listed here, please contact your editor – [john.mcmurtrie@spillcontrol.org](mailto:john.mcmurtrie@spillcontrol.org)

### TRAINING COURSE: CLASSIFICATION AND LABELLING OF CHEMICALS AND POISON CENTRE NOTIFICATIONS

From Chemical Watch – “Our online training course, Classification and Labelling of Chemicals and Poison Centre Notifications, will be taking place on 2 December.” [More info](#)

### NEWFOUNDLAND: Contaminated Sites Health & Safety Training (40-Hour Hazwoper), St Johns, Nov. 14-18

<https://econext.ca/contaminated-sites-health-safety-training-40-hour-hazwoper/>

## TECHNICAL SUPPORT

### SPILL EMERGENCIES AND ANTI-POLLUTION MEASURES BY CHEMICAL TANKERS

October 25 - Seagoing chemical tanker design and operational routines all aim at reducing the risk for environmental pollution. Nevertheless: accidents can happen or be caused by improper action by anyone involved on board, ashore or by other ships. Traditional thinking rules that the vessel and her cargo should be salvaged on the basis of the values they represent. With chemical and oil cargoes this is not necessarily true. It is more a matter of containing the cargo on board or by other means until the situation can be mastered with due regard to weather, shipping etc.

Spills of any size in port, due to over-fillings, hose breakage etc, should be reported to the Port Authorities at once. Keep in mind that water supplies, other water intakes local fishing, public amenities etc can be affected with enormous human and economical consequences unless immediate counteractions can be taken.

In order to reduce the danger for minor spillages deck scuppers should be closed, drip pans arranged under hose manifold and a close watch kept when topping up the cargo tanks.

Any accidental spills in port area and how spills are to be treated must be sought from Port Authorities, who will normally take charge of a spill situation.

Common cargoes which are particularly damaging to marine life when released to the sea: acetone cyanohydrin, acrolein. Strongly negative aesthetic effects will be caused by the release of: aniline, creasote, dodecyl benzene, acrolein, acetone cyanohydrin.

The biggest risk of a cargo spill is during cargo handling operations, either because of equipment failure or improper handling procedures. Cargo spills are therefore most likely to happen in port. In the event of a spill, the following actions should be taken immediately: Chemical Tanker Solutions / If relevant to your occupation, this is recommended reading. [Continue reading](#)

## 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](mailto:John.mcmurtrie@spillcontrol.org)

### NEWLY ADDED TO THE UPCOMING EVENTS PAGE

- **Webinar on Proposed Career Pathways for all involved in Spill Response, Thursday 3<sup>rd</sup> November, 1500 hrs.**
- **UK: Hazmat 2023 Conference, 24-25 May 2023**

### RECENTLY ADDED TO THE UPCOMING EVENTS PAGE

- **Webinar - ExxonMobil Oil Spill Response Knowledge Transfer Webinar Series - "A brief but spectacular story about the creation of the ESI shoreline ranking concept, and the oil behavior, impacts, response options, and recovery in marshes" Dr. Jacqueline Michel (Research Planning, Inc.), : November 1st, 2022, 10-11:15 am**
- **Webinar – Remediation & Management of PFAS & Other Emerging Contaminants, 2<sup>nd</sup> November, 1500-1630 GMT**
- **Singapore – MEPSEAS Technology Conference, 15-17 November, 2022**
- **HalenHardy Webinar – Spill Preparedness at Multiple Sites, 16th November 2022**

**WHEN YOU OPEN THE UPCOMING EVENTS PAGE YOU WILL SEE MANY MORE UPCOMING EVENTS**

## MESSAGES FROM EVENT ORGANISERS

### USA: CLEAN GULF CONFERENCE & EXHIBITION – NOVEMBER 8-10, 2022

This year's CLEAN GULF Conference & Exhibition, November 8-10 in New Orleans, has a jam-packed exhibit hall filled with 100+ companies showcasing products and services such as chemical detection, compliance solutions, containment equipment, data processing, disaster communication, drones, surveillance technologies, incident software, in situ burn products, response software, restoration tools, risk analysis, safety equipment, skimmers, swiftwater boom, waste disposal and much more!

The exhibit hall will be open November 9-10, with networking breaks built into the schedule to allow for ample time to visit with the

## MESSAGES FROM EVENT ORGANISERS (CONTINUED)

exhibitors and network with your peers. You can choose to attend the full conference + exhibition, November 8-10, or just attend the exhibition. The conference offers over 30 sessions to choose from + 2 training workshops, Keynote and State & Federal Updates. [Download the Digital Brochure](#) [View Exhibition Contract](#) [View Conference Sessions](#) [Register for Clean Gulf](#)

### ITALY: ECOMONDO EXPO, RIMINI, 8-11 NOVEMBER, 2022

At Ecomondo 2022, we present, compare and identify the most appropriate technological solutions for reducing pollution and restoring the Mediterranean macro-region, and at the same time, bring together local institutions, private and public actors and financing entities as well citizens and consumers.

[Log in to the reserved area, fill in your data, download your ticket](#) [Digital Preview](#) [How to get to Ecomondo](#)

### AUSTRALIA: ALGA GROUNDWATER FATE & TRANSPORT SYMPOSIUM

ALGA's Groundwater Fate & Transport Special Interest Group (SIG) is pleased to announce the 2022 Groundwater Fate & Transport symposium will be held in Melbourne on 18 November 2022. The symposium aims to share the latest insights, developments and applications for improving our understanding of contaminant behaviour in the environment.

<https://www.cvent.com/c/abstracts/e9e34139-c7a0-4969-88b9-e2cfb510baab>

### USA: CALIFORNIA - 10TH BIENNIAL OIL SPILL RESPONSE TECHNOLOGY WORKSHOP FEBRUARY/MARCH 2023

California Department of Fish and Wildlife Office of Spill Prevention and Response (OSPR) and Chevron 10<sup>th</sup> Biennial Oil Spill Response Technology Workshop February/March 2023 in California (TBD). Email or request more

info: [TechWorkshop2023@wildlife.ca.gov](mailto:TechWorkshop2023@wildlife.ca.gov)

### NORWAY: NOSCA SEMINAR 2023: MARCH 20-24, 2023

NOSCA will arrange the next NOSCA Seminar in week 12/23 (20-24.03.23) in Bodø/Norway. Our main topic will be "Tomorrow's challenges and solutions within oil spill response". Beside of two conference days, the seminar participants will be able to observe the large scale exercise "D1H" which will be carried out by NOFO and OKEA. For more information and registration please read

<https://www.nosca.no/nosca-seminar/>

### USA: COLORADO - CLEAN WATERWAYS 2023: 11-13 APRIL, 2023

Clean Waterway takes place at the Hilton Denver City Center Hotel in Denver, CO, on April 11-13. The [preliminary conference agenda](#) is now available for the 2023 CLEAN WATERWAYS Conference! A total of 12 sessions have been programmed by our [planning committee](#), which is made up of a group of operators, state and federal regulators, consultants, service companies and OSROs. They came together last month to create a program that ensures we deliver sessions covering the most pressing issues for spill prevention and response in the inland environment.. [More News re conference & abstract submission](#) [Registration](#) [Introduction to the Planning Committee](#)

### AUSTRALIA: BRISBANE - SPILLCON 2023: 11-15 SEPTEMBER 2023

Spillcon 2023 has been confirmed for 11–15 September 2023 at the Brisbane Convention and Exhibition Centre, Queensland, 417 244 355, Email [spillcon@ajp.com.au](mailto:spillcon@ajp.com.au)

## CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

### INTERNATIONAL OPEN TENDER NOTIFICATION SERVICE

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 EPA Tech Direct <https://clu-in.org/techdirect/archive/> and USA Federal Contracts Updates <https://clu-in.org/Federal-Contract-Opportunities> European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter <https://www.emsa.europa.eu/newsroom/newsletters.html>

## LINKS FOR DOWNLOADING AND READING 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/>

## LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS (CONTINUED)

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

## SAFETY BRIEFING

### CSB RELEASES NEW SAFETY VIDEO “WAKE UP CALL: REFINERY DISASTER IN PHILADELPHIA”



*Photo courtesy of CSB.* October 27 - Today, the U.S. Chemical Safety and Hazard Investigation Board (CSB) released a new safety video about the fire, explosions, and toxic hydrofluoric acid (HF) release that occurred at the Philadelphia Energy Solutions (PES) refinery in Philadelphia, Pennsylvania, on June 21, 2019. The incident caused the release of over 5,000 pounds of highly toxic HF, launched a 38,000-pound vessel fragment off-site, and resulted in an estimated property damage loss of 750 million dollars.

The safety video includes an animation of the sequence of events leading to the incident, and comments from the CSB’s Interim Executive Authority Steve Owens and Lead Investigator Lauren Grim.

process fluid escaped through the ruptured pipe elbow. Upon release, the process fluid formed a large ground-hugging vapor cloud about ten feet high that engulfed a portion of the refinery’s HF alkylation unit. The cloud ignited, causing the fire and series of explosions.

At PES, a pipe elbow catastrophically failed due to hydrofluoric acid corrosion, which is a well-known safety hazard. Flammable

Because of the fire, a critical safeguard intended to protect the local community from a release of HF did not function as designed. HF is a highly toxic chemical that is particularly hazardous if a release occurs because it vaporizes, becoming airborne. Breathing HF can cause lung damage and skin contact with HF can cause severe burns and death. If a large amount of hydrofluoric acid had escaped from the refinery, the consequences for the surrounding community could have been disastrous. In the video, Interim Executive Authority Owens says, “Thankfully, despite the urban location of the PES Refinery, the local community was not seriously harmed. But it could have been worse. This incident should be a wake-up call to industry and regulators to take every step possible to prevent a similar event from occurring.”

In its report, the CSB made recommendations to the American Petroleum Institute (API) and the U.S. Environmental Protection Agency (EPA). The recommendations are aimed strengthening industry standards and regulations regarding several key safety issues found at PES including a lack of remotely operated emergency isolation valves, the need to ensure safeguard reliability in HF alkylation units, and the consideration of inherently safer design. Please visit our website, [www.csb.gov](http://www.csb.gov). For more information, contact Communications Manager Hillary Cohen at [Hillary.Cohen@csb.gov](mailto:Hillary.Cohen@csb.gov)

## NEW PUBLICATIONS

### ECONOMIC ASSESSMENT AND COMPENSATION FOR MARINE OIL RELEASES



Good practice guidelines for incident management and emergency response personnel. Ipieca and IOGP are pleased to publish an update to the Economic assessment and compensation for marine oil releases: good practice guidelines for incident management and emergency response personnel.

A release of oil has the potential to affect property and impair commercial activity, resulting in economic loss. This document considers the effects of oil on the fisheries and tourism sectors, as well as other commercial activities. The sources of money that may be available to compensate for such damages are identified, and the latest legislation and compensation schemes that enable payments are explained. The document also outlines the methods by which the various types of economic damage can be quantified and calculated under the schemes, and the procedures necessary for submitting claims for losses. [Download](#)



### THE OHMSETT GAZETTE – FALL 2022

- Ohmsett Tank Refurbishment is Completed
- Technology to Detect and Measure Floating Oil
- In-line Oil Recovery Efficiency Sensor Could Improve Response Operations
- MPRI Dispersant Effectiveness Project
- U.S. Coast Guard SMART Training
- NOFI Current Buster Optimized for Speed and Higher Waves
- Oysters Get Their Day in the Bay
- Training Takes the Learning From the Classroom to the Ohmsett Tank
- Future Environmental Leaders Visit
- Developing New Test Protocols for Advancing Oil Recovery Systems

<https://ohmsett.bsee.gov/Gazette/Ohmsett%20Gazette%20Fall%202022.pdf>

### THE LITTLE BLACK BOOK – CLEAN-UP OIL.COM AT CLEAN GULF

Clean Gulf Conference and Exhibition marks the end of the publication run for the 8th Edition of the Little Black Book . This edition was released in April of 2019, I would like to thank all our advertisers and supporters for making it possible. Books have been distributed on-line and at oil spill trade shows, including Interspill in Amsterdam earlier this year. The few remaining copies will be made available on our booth ( 142 ), please stop by and pickup your free copy while supplies last.

It's a massive undertaking publishing these books - which typically comprise of over 100 pages listing in the region of 1,200 oil spill clean up contractors in 50 countries. I can't do this without your support.

The information is made freely available on the website, however I hear from so many responders that a handy reference is invaluable. Please send any updates - corrections to existing listings are free. I will be contacting our 40 plus advertisers individually over the next few months, as always existing advertisers get first refusal. If you choose not to renew your print advert, the space will be made available to others, and respective logos will be dropped from Cleanupoil.com.

If you would like information please contact - [stewart@cleanupoil.com](mailto:stewart@cleanupoil.com)

## INCIDENT REPORTS

### MEXICO: OIL SPILL POLLUTES THE BEACHES OF SALINAS CRUZ, STATE OF OAXACA



October 23 – News and photos received from Caros Sagrera, ISCO Representative in Latin America Spanish Speaking.

On October 23 there was a spill of oil from the PEMEX company that affected the beaches of Salinas Cruz, state of Oaxaca. Its origin has been Monobuoy No. 2 of the state company, on which Mexican NGOs have denounced recurring maintenance problems.

The Secretary of the Navy (SEMAR), leader of the National Contingency Plan, activated it and the ICS was established in the 14th

## INCIDENT REPORTS (CONTINUED)

Naval Region, carrying out surveillance and monitoring tasks. For its part, PEMEX has reported that it is making an agreement with the fishermen community in the affected areas, who will be hired as temporary workers for cleaning activities. The activation of specialized companies (OSROs) was not reported. Fishing activities have been prohibited in the area and access to some 10 km of affected coasts and beaches, including Brasil, Azul, Salinas del Marquez, Punta Conejo and Guelaguichí beaches in this region of Oaxaca, has been prohibited. Local press reports below –

<https://www.eluniversal.com.mx/estados/ante-cierre-de-playas-de-oaxaca-por-derrame-de-petroleo-pemex-empleara-pescadores-para-limpiar-areas-contaminadas>

<https://energiapulso.com/senalan-a-pemex-por-derrame-de-crudo-en-playas-de-salina-cruz-oaxaca/>

<https://revistaespejo.com/2022/10/26/derrame-de-petroleo-mata-especies-contamina-agua-y-cancela-turismo-y-pesca-en-oaxaca/>

<https://www.nmas.com.mx/nmas-media/programas/nmas-prime-alejandra-gallardo-guillermo-blanco/videos/derrame-hidrocarburos-costas-oaxaca-pudo-ser-prevenido-especialista>

<https://www.excelsior.com.mx/nacional/derrame-de-pemex-cubre-de-petroleo-a-playas-y-animales-de-oaxaca/1548659>

English language report and video in [The Mexico Daily Post](#)



## SINGAPORE: SUPERTANKER IN LOAD AGROUND NEAR GAS PIPELINE

October 28 - Very Large Crude Carrier YOUNG YONG ran aground in Singapore Strait in the evening Oct 26, while proceeding from outer Singapore Anchorage in South China Sea to Nipa island, Riau islands, Indonesia, with final destination Mozambique. Tanker is in full load carrying 284,429 tons of crude. She's still aground as of 1430 UTC Oct 28, with tug or tugs at her side. The problem is, she grounded near gas pipeline, so salvors have to be extremely cautious to avoid damaging pipeline. No leak reported.

[www.maritimebulletin.net](http://www.maritimebulletin.net)

### READERS ARE INVITED TO SUBMIT REPORTS ON SIGNIFICANT POLLUTION INCIDENTS

ISCO aims to report on significant pollution incidents – marine oil and chemical spills, container losses, onshore and subsea pipeline spills, rail car derailments, etc. We don't usually report road tanker spills and other relatively small onshore spills – there are just too many.

## A QUESTION FOR ISCO CORPORATE MEMBERS

### IS YOUR ENTRY IN THE ISCO DIRECTORY COMPLETE AND UP-TO-DATE?

To check, click on <https://spillcontrol.org/suppliers-and-services-directory/>

All ISCO Corporate Members and Industry Partners are entitled to FREE entries in the ISCO Directory.

To maximise the impact of your entry please make sure you have submitted all requested information. See

<https://spillcontrol.org/directory-entry-questionnaire/>

Not yet a Member? Visit <https://spillcontrol.org/membership-application-form/>

Questions or need help? Email Mike at [spillcontrol@mwadigital.com](mailto:spillcontrol@mwadigital.com)

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](http://www.spillcontrol.org) and your acceptance of ISCO's Data Protection and Privacy Policy.