



# ISCO NEWSLETTER

The Newsletter of the International Spill Response Community  
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## ISCO & THE ISCO NEWSLETTER

The ISCO Newsletter is published weekly by the International Spill Control Organisation, a not-for-profit organisation supported by members in 45 countries. ISCO has Consultative Status at IMO, Observer Status at IOPC Funds and is 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 IMO, UNEP, EC and other organisation.

## ISCO COMMITTEE & COUNCIL

ISCO is managed by an elected executive committee members of which are **Mr David Usher** (President, USA), **Mr John McMurtrie** (Secretary, UK), **Mr Marc Shaye** (USA), **Mr Dan Sheehan** (USA), **M. Jean Claude Sainlos** (France), **Mr Kerem Kemerli** (Turkey), **Mr Simon Rickaby** (UK), **Mr Li Guobin** (China), **Captain Bill Boyle** (UK) and **Mr Dennis van der Veen** (The Netherlands).

The Register of ISCO Members is maintained by **Ms Mary Ann Dagleish** (Membership Director). She is also responsible for collecting membership dues.

The Executive Committee is assisted by the non-executive ISCO Council composed of the following national representatives – **Mr John Wardrop** (Australia), **Mr Namig Gandilov** (Azerbaijan), **Mr John Cantlie** (Brazil), **Dr Merv Fingas** (Canada), **Captain Davy T. S. Lau** (China, Hong Kong), **Mr Li Guobin** (China, Mainland), **Mr Darko Domovic** (Croatia), **Eng. Ashraf Sabet** (Egypt), **Mr Torbjorn Hedrenius** (Estonia), **Mr Pauli Einarsson** (Faroe Islands), **Prof. Harilaous Psarافتis** (Greece), **Captain D. C. Sekhar** (India), **Mr Dan Arbel** (Israel), **Mr Sanjay Gandhi** (Kenya), **Mr Joe Braun** (Luxembourg), **Chief Kola Agboke** (Nigeria), **Mr Jan Allers** (Norway), **Capt. Chris Richards** (Singapore), **Mr Anton Moldan** (South Africa), **Dr Ali Saeed Al Ameri** (UAE), **Mr Kevin Miller** (UK) and **Dr Manik Sardessai** (USA).

For more info on Executive Committee and Council Members go to [www.spillcontrol.org](http://www.spillcontrol.org)

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## International news

### MEDITERRANEAN OIL INDUSTRY GROUP REGIONAL WORKSHOP – ADANA-CEYHAN, TURKEY



17 – 19 November 2015 - The 2015 annual MOIG Regional Workshop is being held this year in Adana, Turkey. The three day event brings National, Regional and International Authorities, together with EU, O&G and spill response professionals who will review and discuss topics on present and future Mediterranean oil and gas activities.

The programme and list of speakers has been released - See Page 8

## ITOPF ANNUAL R&D AWARD OPEN FOR SUBMISSIONS

Recognising the importance of nurturing good R&D in the field of marine science, ITOPF has established an annual R&D award. Each year, up to **£50,000** will be made available to fund R&D projects that make a valuable contributions to improving the knowledge and understanding of issues related to accidental marine pollution. The purpose of this initiative is to encourage organisations around the world to inspire innovative thinking and to develop ideas that could provide realistic solutions to some of the challenges faced in spill response and environmental monitoring. Details of the award and previous research projects funded are available at: <http://www.itopf.com/in-action/r-d-award/> To submit the application, please follow the process described at: <http://www.itopf.com/in-action/r-d-award/application-process/>

The deadline for submitting your application is **31<sup>st</sup> December 2015**. All the applications will be reviewed by our committee in January 2016, with the intention to name the Award winner in late February. Candidate could contact us at [RDaward@itopf.com](mailto:RDaward@itopf.com) if they have any questions regarding the application.

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November 3 - Seven days after an oil slick washed up on the beaches of Prachuap Kiri Khan province, authorities have yet to identify anyone behind the spill.

Gov. Thawee Narisirkul told reporters today officials are still working to find out who leaked the oil on Oct. 27, which blackened a number of beaches along 10 kilometers of coast, including the popular resort town of Hua Hin. The governor said his office has already filed criminal charges against the unidentified ship, and officials are gathering evidence about the damage caused by the oil spill from local hotels, resorts and restaurants for further criminal and civil action. *Khaosod English* [Read more](#)

## AUSTRALIA: CLEANUP EXPERTS WORK ON OIL SPILL CAUSED BY SUNKEN FISHING BOAT IN GEELONG

November 5 - A fishing boat has sunk on Corio Bay in Geelong, causing a minor oil spill. Emergency services were called to the pier this morning. The Environment Protection Authority is overseeing the cleanup. *ABC News* [Read more](#)

## USA: 1,000 BARRELS OF CRUDE OIL SPILL FROM OKLAHOMA PIPELINE

November 6 - A Tulsa-based pipeline company said Friday that about 1,000 barrels of crude oil spilled from a pipeline in rural Oklahoma. Bruce Heine, a spokesman for Magellan Midstream Partners, said in an email Friday that the oil was released about 6 p.m. Thursday from a Magellan pipeline that stretches from Enid to Ponca City. The pipeline was quickly shut down and the oil has been contained. Heine said Magellan plans to recover the oil and clean up any affected soil. He added that repairs to the pipeline would begin later Friday. *Al Jazeera* [Read more](#)

## MEXICO: SALVAGE GETS UNDERWAY FOR BULK CARRIER WRECKED IN MEXICO

November 6 - Mexican officials are just getting to work on the effort to clean up and scuttle a bulk carrier that wrecked along the country's rocky Pacific coastline last month during Hurricane Patricia. According the environmental authority PROFEPA, work has begun to prepare the ship for the removal of all 11,484 liters of oil, 489 cubic meters of diesel and other contaminants.

## Incident reports from around the world

### USA: OREGON - 400+ GALLONS OF DIESEL SPILL INTO WILLAMETTE RIVER

October 26 - Spill happened Monday around 5 a.m. near the Kinder Morgan Bulk Terminal in Vancouver - The Coast Guard says more than 400 gallons of diesel were spilled into the Willamette River north of Portland. *KOIN.cm* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### BULGARIA: PIPELINE LEAK CLOSE TO BULGARIA'S TSENINO

November 1 - A signal over a pipeline leak near the village of Tsenino, municipality of Nova Zagora, district of Sliven, was submitted at about 5:20 a.m. on Saturday, the Ministry of Interior District Directorate in Sliven announced.

The leak was caused by a ploughing agricultural machine that damaged the pipeline. The area has been closed off. *Focus Information Agency* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### THAILAND: A WEEK LATER, AUTHORITIES CLUELESS ABOUT WHO CAUSED HUA HIN OIL SPILL



Picture: Workers clean up Hua Hin beach on Oct. 30, 2015

## Incident reports from around the world (continued)



As of this week, a helicopter and barge were on scene to begin the work of removing hazardous materials from the ship – things like paints, solvents and batteries – and to prepare for the arrival of a vessel from Panama that will be used to transfer the oil.

The agency says that no oil spill has been detected since the initial grounding. Authorities have decided that the ship is beyond repair and will need to be scuttled in the area. [gCaptain](#) [Read more](#)

[This report updates the previous report given in last week's ISCO Newsletter]

## Other news reports from around the world (countries listed in alphabetical order)

### DJIBOUTI: OIL SPILL RESPONSE WORKSHOP HELD IN DJIBOUTI

*United States Africa Command Image - Attendees at the Djibouti Oil Response Workshop pose for a group photo.*

November 6 - An Oil Spill Response Workshop, co-hosted by the United States Africa Command Environmental Security Program and the Camp Lemonnier environmental office, was held Sept. 27-28 in Djibouti.

This workshop brought together key stakeholders to address appropriate procedures when a significant oil spill occurs to minimize impacts on maritime safety and security as well as sensitive areas such as human health, environmental, economic, and cultural sites. More than 30 stakeholders participated in the workshop including representatives from U.S., Djiboutian, and French military and government agencies and representatives from academia and the oil industry. *United States Africa Command* [Read more](#)



### INDIA: GSPCB TO DISCUSS CHANGES IN OIL SPILL DISASTER PLAN

November 3 - The Goa state pollution control board (GSPCB) will review the Goa state oil spill disaster contingency plan in view of the Indian Coast Guard's national oil spill disaster contingency plan which has brought special focus on the tar ball effect. The board will hold a meeting with stakeholders on Wednesday to make necessary changes in the Goa state oil spill disaster contingency plan.

The Indian Coast Guard (ICG) has released the national oil spill disaster contingency plan to establish an effective system for detection and reporting of spills. The objective of the plan is to establish adequate measures for preparedness for oil and chemical pollution in Sea. TOI had run an extensive campaign on tar balls on the beaches of Goa polluting the environment.

*The Times of India* [Read more](#)

### KENYA: THOUSANDS SUFFER IN KENYA PIPELINE OIL SPILL AFTERMATH



November 6 - Over 800 schoolchildren are among thousands in a Kenyan village suffering from health problems due to a drought caused by an oil pipeline spill, residents have told Anadolu Agency.

Six months back, a pipeline belonging to the state-owned Kenya Pipeline Company Ltd. ruptured, spilling oil into the Thange River that ended up contaminating key water sources in Kenya's Thange village in Makueni County, located some 187 kilometers east of the capital Nairobi.

Since then, thousands of residents in the area, including hundreds of students at Thange Primary and Secondary schools have been complaining of head, chest and abdominal pains after prolonged use of the contaminated water. *AA.com* [Read more](#)

## Other news reports from around the world (continued)

### NIGERIA: SHELL FAILING TO CLEAN NIGERIA OIL-SPILL SITES, AMNESTY SAYS

November 4 - Royal Dutch Shell Plc has failed to clean up four oil-spill sites in the crude-producing Niger River delta, three of which an under-resourced Nigerian regulator dealing with leakages said had been decontaminated, Amnesty International said in a report on Tuesday.

At Shell's Bomu Well 11, Amnesty researchers found blackened soil and oil layers on the water 45 years after a spill took place, despite the company saying it cleaned the area in 1975 and 2012. At the three other sites, certified as clean by the National Oil Spill Detection and Response Agency, or Nosdra, researchers also found soil and water contaminated close to where people lived, the rights group said. [Bloomberg](#) [Read more](#) [Thanks to Walter Putman, MPC]

### NIGERIA: OIL SPILL KILLS 15 IN RIVERS STATE NIGERIA

November 7 - About 15 persons have been confirmed dead in Emago/Kugbo community in Abua/Odual Local Government Area of Rivers State, following the recent oil spill that occurred in the area, at one of the facilities of Nigerian Agip Oil Company (NAOC). This was disclosed yesterday, by Omini Walson-Asaco, spokesman of the community before the members of Rivers State House of Assembly Committee on Environment, held at the Assembly Complex in Port Harcourt.



The House of Assembly Committee had summoned the management of the Italian oil giant, on the heels of a petition from the lawmaker representing Abua/Odual Constituency, the Deputy Speaker, Marshall Uwom, requesting the House to intervene in the matter. At the meeting, which had in attendance representatives of the community and Agip company, the spokesman of Emago/Kugbo community, accused the company of insensitivity to the plight of the people.

Dr. Walson-Asaco said that the spill was caused by an explosion, pointing out that Agip had not carried out remediation and clean-up of the area.

Responding to the allegation, the Government Relations Manager of Agip, Ijuwe Albert, told the Committee that the spill was an act of sabotage. According to him, the act of "using explosives" on Agip's facilities had returned in the

area, noting that the company had recorded several cases of sabotage with explosives and other destructive devices on their pipelines. [VivianGist.com](#) [Read more](#)

### SYRIA: THE SYRIAN CIVIL WAR IS A TOXIC CATASTROPHE IN THE MAKING

November 5 - The Syrian civil war's colossal destruction of infrastructure and years' worth of spent ammunition and discarded weaponry will likely leave a lasting and dangerous environmental legacy in the country, which could sicken its citizens for years to come, according to new research.

In a [report](#) released Wednesday, the Dutch non-profit PAX said the conflict will in all probability "have a disastrous impact on the environment and public health," but cautioned that determining its ultimate toll will require a concerted effort to track the devastation.

While the threat of pollution from the Islamic State's small scale oil productions — and their frequent destruction — is smaller relative to the oil fires set in Iraq during the first Gulf War, PAX reported that Syria's heavy crude oil is higher in potentially noxious substances, making it "a particularly problematic soil and water contaminant." [Vice News](#) [Read more](#)

### THAILAND: HUA HIN OIL SPILL - SEA VIGIL TO BE TIGHTENED

November 4 - Ships over 12 nautical miles off coast and their logbooks to be checked after recent oil spill - The Marine Department and related agencies have been asked to step up inspections at sea and examine the logbook of ships, as part of measures to stop ships dumping fuel.

However, a top official of the Natural Resources and Environment Ministry admitted on Monday that it was too late to catch those responsible for the recent oil spill that contaminated the shore from Samut Sakhon to Prachuap Khiri Khan provinces. There was no solid proof to identify the ship responsible for the damage, the official added.

Ministry permanent secretary Kasemsant Jinnawaso said there had been discussions with the Marine, Pollution Control, and Marine and Coastal Resources departments to work out ways to prevent further problems from ships that dump or "leak" oil. [Thai Visa Forum](#) [Read more](#)

### THAILAND: RECENT OIL SPILL 10 TIMES LARGER THAN ONE IN 2013

November 6 – The latest oil spill in Prachuap Khirikhan's Hua Hin district and nearby areas has affected a larger area than the spill that hit Rayong's Koh Samet in 2013, causing incalculable damage to marine ecology.

## Other news reports from around the world (continued)

The Marine and Coastal Resources Research and Development Institute said that oil spills happen often in Thai seawaters, as 13 were reported between September 2014 and last month. Seven of the oil spills occurred in Rayong, where a major industrial port is situated.

Institute director Pinsak Suraswadi said the affected area from the oil spill this time was more than 100 square kilometres. It is 10 times larger than the severe oil spill in Rayong in 2013, which covered around 11 square kilometres. *The Nation* [Read more](#)  
[Thanks to Walter Putman, MPC]

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### USA: HAWAII - RED HILL FUEL SPILL POSES THREAT TO WATER SUPPLY, OFFICIALS CONCLUDE

November 1 - Nearly two years ago, when one of the Navy's Red Hill fuel tank leaked 27,000 gallons of jet fuel, officials were quick to conclude that the spill did not reach the area's water source.

"I have high degree of confidence that petroleum products from this incident have not migrated from the Red Hill tank facility towards the Red Hill well aquifer," Capt. Mike Williamson said in January 2014.

But on Friday, the head of the Honolulu Board of Water Supply said the contamination did in fact hit the aquifer and that readings from monitoring wells had spiked in April. Ernie Lau, the board's manager and chief engineer, said that in April the monitoring well closest to the leaking tank detected fuel contamination levels higher than those recorded in January 2014 when the leak occurred.

What's unusual is that the tank had been empty for more than a 18 months. "That indicates signs of petroleum contamination that is pretty high," said Lau. "The groundwater aquifer, which contains the water, is contaminated to various levels from petroleum contaminants below and near the facility." *Hawaii News Now* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

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### USA: TRANSCANADA REVERSES COURSE, ASKS STATE DEPARTMENT TO PAUSE KEYSTONE REVIEW

November 4 - Pushing for seven years to have the U.S. government give the go-ahead to its massive Keystone XL Pipeline, Calgary, Canada-based TransCanada on Monday asked for a pause in the process.

The pipeline giant in a letter to Secretary of State John Kerry requested suspension of the assessment of the \$8 billion project, arguing it would allow the department to await the results of a separate review in Nebraska, Kallanish Energy finds.

Experts see the owner-operator's move taking President Obama off the hook, allowing a smoothing over of ruffled feathers between the U.S. and Canada, giving the next President the job of saying yeah or nay.

While newly elected Canadian Prime Minister Pierre Trudeau favors the pipeline, he has said rebuilding ties with the U.S. is a top foreign policy priority. Trudeau, who is expected to meet Obama later this month at a Group of 20 summit in Turkey, has emphasized the need for Canada to boost its environmental performance to win favor for pipeline proposals, including Keystone. *Kallanish Energy* [Read more](#)

#### November 4 - TransCanada calls on US State Department to delay Keystone XL

TransCanada Corp. is taking a new approach to the potential development of the Keystone XL pipeline. The Canadian-based firm has sent a letter to the U.S. State Department to pause on its review of the pipeline.

"We are asking the State department to pause its review of Keystone XL based on the fact that we have applied to the Nebraska Public Service Commission for approval of its preferred route in the state," said Russ Girling, president of TransCanada. According to Girling, TransCanada made the decision to apply to the Nebraska PSC following legal challenges in the state over the constitutionality of the statute under which Nebraska Governor Heineman approved the route in 2013. *The Bakken Magazine* [Read more](#)

#### November 4 - Obama Administration to decide Keystone XL

On November 4, the U.S. State Department formally denied a request from TransCanada to delay a review of the proposed Keystone XL pipeline. The Obama Administration can now be expected to make a final decision on the project before the next elections in 2016. The U.S. State Department found that it was most appropriate "to continue the review" without delay, spokesman John Kirby told a news conference on Wednesday.

TransCanada had requested a delay the federal review of the cross-border pipeline project pending results from a state-level permitting process. The Nebraska state review is expected to take considerable time, and waiting would push any final decision past the 2016 presidential elections. *The Maritime Executive* [Read more](#)

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## ISCO WELCOMES NEW MEMBERS

ISCO is pleased to announce that the following new members have joined the organization -

**Tactical Maritime Solutions**, based in Bateau Bay, New South Wales, Australia, has joined as a new Corporate Member. Managing Director and Master Mariner Captain Graham Edgley has over 40 years' experience in the maritime industry, including 25 years directly involved with marine oil spill response.

**Matthew Sommerville**, based in London, UK has joined ISCO as an Individual Member. After leaving the army in 1988 Matthew worked with the UK Government's Warren Spring Laboratory for 6 years during which he became Higher Scientific Officer then, with the WSL re-organisation, joined AEA Technology for a further 3 years as Principal Consultant, Marine and Freshwater Dept. This was followed by 6 years with Briggs Marine Environmental Services as Technical Manager / Head of Response Capability where his work included an extended period of managing the company's operations in Azerbaijan. From 2004 onwards he gained further international experience in postings with SEACOR, ARAMCO, OSRL, IOPC Funds and most recently as Regional Co-ordinator of Shell's Europe, Middle-East and Africa Team. As announced in last week's ISCO Newsletter, Matthew has, after 27 years work in the oil spill field, he has just launched his new consultancy company "Spectrum Spill Services".

## Case history

### FLINTERSTAR OIL SPILL RECOVERY

**Ridderkerk, November 2015 - In the last week of October, heavy fuel oil has been removed from the wreck of the Flinterstar (built in 2002). Belgian and Dutch authorities were involved in the clean-up.**



The tanks of the Flinterstar were pumped empty during the last week of October. The salvage of the Flinterstar is scheduled for next spring.

During the accident and the pumping, oil recovery vessels were present, recovering a total of 1185 m3 of oil and water mixture. Natural reserve was threatened by this incident, but the oil recovery was successful.

The recovery was done in 3 weeks. Oil spill control vessels were cooperating with the salvage team that pumped out the oil that was left in the cargo carrier "Flinterstar". Koseq Sweeping arms were involved during the clean-up, resulting in a successful amount of oil recovered from the sea surface.

The Oil Spill Recovery Vessels stayed present during the whole process of pumping the oil tanks of the Flinterstar empty. The vessels involved in the recovery were not all dedicated oil recovery vessels. One was a dredging vessel on which sweeping arms were installed.

Earlier in October, Dutch flagged vessel "Flinterstar" of 9000 DWT collided with LNG carrier Al- Oraiq off the Belgian coast, resulting in the Flinterstar sinking and leaking oil from its tanks.

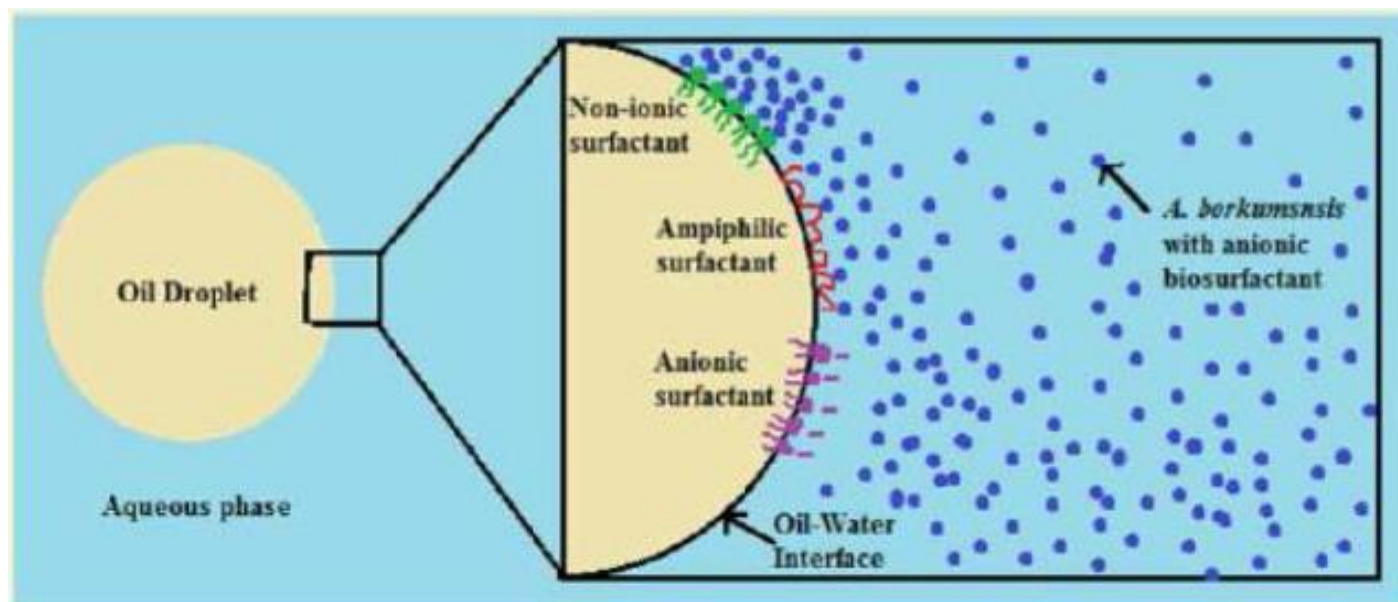
The released oil by the Flinterstar was recovered by Sweeping Arms. Koseq designs and manufactures oil pollution recovery equipment suitable for operation up to 2 meters wave height. In this case Offshore Rigid Sweeping Arm systems with a length between 12 and 15 meters were used. [Thanks to Annette Bosch of ISCO Corporate Member, Koseq BV] [www.koseq.com](http://www.koseq.com)

### STUDY: DIFFERENT DISPERSANT SURFACTANTS HELP AND HINDER OIL-DEGRADING BACTERIA

November 3 - Scientists studied the interactions of the oil-degrading bacterium *Alcanivorax borkumensis* with oil across oil-water interfaces that had varying amounts of different surfactants.

They found that not all surfactants aid the bacteria's natural oil degradation processes. The surfactant Tween 20 worked synergistically with the bacteria and increased the available oil interface, allowing for more bacterial growth and oil degradation. Other surfactants inhibited the bacteria's adherence to oil, limiting its biodegradation capacity. They published their findings in *Langmuir*: [Interaction of \*Alcanivorax borkumensis\* with a surfactant decorated oil-water interface](#).

Dispersants are used to break up oil into discrete droplets and increase the available surface area for bacteria adhesion, which is a vital process in biodegradation. *A. borkumensis* live on surface waters in the vicinity of oil rigs and natural oil seeps. Its population grows in response to oil influxes such as happened during the *Deepwater Horizon* spill. Scientists from Brown University and the University of Rhode Island conducted this study to help fill a research gap about dispersant effects on the bacteria community. The team recorded changes in this bacteria's growth rate, lag time, and number density at the oil-water interface containing low to high levels of these surfactants: CTAB (cetyltrimethylammonium bromide), lecithin (L- $\alpha$ -phosphatidylcholine), SDS (sodium dodecyl sulfate), AOT (dioctyl sulfosuccinate sodium salt), and Tween 20. They used Corexit EC9500A at the "recommended" 1:20 volume ratio in the oil.



The study authors depict the interaction of *A. borkumensis* with dispersant surfactants at the oil-water interface. (Image used by permission from Arijit Bose)

Researchers observed that low levels of negatively charged (anionic) surfactants repelled *A. borkumensis* from the oil-water interface. However, when low levels of the neutrally charged (nonionic) surfactant Tween 20 were used, the lag time for bacterial growth decreased by half and their growth rate nearly doubled compared to the control case with no surfactant. The growth rates of *A. borkumensis* in the presence of Corexit EC9500A was no different than the control. The researchers also found that stable emulsions of Tween 20 and oil were formed at higher concentrations of Tween 20, increasing the available area for bacteria attachment. Bacteria growth was initially slow at these higher concentrations but, after presumably producing biosurfactant of their own, the bacteria were able to degrade oil at a faster rate than they did at lower Tween 20 levels.

The team recommended further investigation into the use of different surfactants such as Tween 20 to treat future oil spills.

The study's authors are [Michelle Bookstaver](#), [Arijit Bose](#), and [Anubhav Tripathi](#).

This research was made possible in part by a grant from the [Gulf of Mexico Research Initiative \(GoMRI\)](#) to the University of Rhode Island, Brown University and University of Florida for their project [Multifunctional Colloidal Particles as Dispersants for Maximizing Biodegradation of Crude Oil](#).

The [Gulf of Mexico Research Initiative \(GoMRI\)](#) is a 10-year independent research program established to study the effect, and the potential associated impact, of hydrocarbon releases on the environment and public health, as well as to develop improved spill mitigation, oil detection, characterization and remediation technologies. An independent and academic 20-member Research Board makes the funding and research direction decisions to ensure the intellectual quality, effectiveness and academic independence of the GoMRI research. All research data, findings and publications will be made publicly available. The program was established through a \$500 million financial commitment from BP. For more information, visit <http://gulfresearchinitiative.org/>.

[Thanks to Dr Merv Fingas, Hon.FISCO and SAC News]

## Links for recent issues of other publications (in alphabetical order)

<a href="#">AMSA Aboard</a>	News from the Australian Maritime Safety Authority	October 2015 issue
<a href="#">ASME EED EHS Newsletter</a>	News and commentary on HSE issues from George Holliday	Most recent issue
<a href="#">Bow Wave</a>	Sam Ignarski's Ezine on Marine & Transport Matters	Current issue
<a href="#">Cedre Newsletter</a>	News from Cedre in Brittany, France	September 2015
<a href="#">Celtic Biogenie enGlobe Newsletter</a>	Latest Remediation and related technology news	Autumn 2015 issue
<a href="#">CROIERG Enews</a>	Canberra & Regions Oil Industry Emergency Response Group	Current issue
<a href="#">EMSA Newsletter</a>	News from the European Maritime Safety Agency	November 2015 issue
<a href="#">Energy Institute eBulletin</a>	News from the Energy Institute	April 2015 issue
<a href="#">Environmental Technology Online</a>	Environmental Monitoring, Testing & Analysis	October 2015 issue
<a href="#">IMO News Magazine</a>	News from the International Maritime Organization	No 3, 2015
<a href="#">IMO Publishing News</a>	New and forthcoming IMO publications	October 2015
<a href="#">Intertanko Weekly News</a>	International news for the oil tanker community	No 42 2015
<a href="#">IPIECA eNews</a>	Int'l Petroleum Industry Environmental Conservation Assoc'n	February 12 issue
<a href="#">JOIFF "The Catalyst"</a>	Int'l Organisation for Industrial Hazard Management	October 2015 issue
<a href="#">MOIG Newsletter</a>	News from the Mediterranean Oil Industry Group	Most recent Issue
<a href="#">NOAA update</a>	Oil spill response news from NOAA OR&R	April 2015
<a href="#">OCIMF Newsletter</a>	News from the Oil Companies International Marine Forum	October 2015 issue
<a href="#">Pollution Online Newsletter</a>	News for prevention & control professionals	November 4 issue
<a href="#">Sea Alarm Foundation Newsletter</a>	Oiled wildlife Preparedness and Response news from Sea Alarm	Spring 2015 issue
<a href="#">SAC News</a>	Oil spill related and other news from Alaska	Nov 5 issue 2015
<a href="#">Technology Innovation News Survey</a>	From US EPA - Contaminated site decontamination	September 16-30 2015
<a href="#">The Essential Hazmat News</a>	Alliance of Hazardous Materials Professionals	October 19 issue
<a href="#">Transport Canada Newsletter</a>	News and articles re transport of dangerous goods in Canada	Winter 2014 issue
<a href="#">USA EPA Tech Direct</a>	Remediation of contaminated soil and groundwater	Nov 1, 2015 issue
<a href="#">USA EPA Tech News &amp; Trends</a>	Contaminated site clean-up information	Summer 2015 issue
<a href="#">WMU Newsletter</a>	News from the World Maritime University	October 2015 issue

## Events

### USA: NO SPILLS ANNUAL CONFERENCE TO OFFER STUDENT SCHOLARSHIP

This year the No-Spills Scholarship Committee is again offering the annual \$500 scholarship opportunity for students interested in attending the 2016 conference. The scholarship winner will be offered free admission and lodging to attend the conference in addition to the scholarship award. The scholarship will be awarded on Monday, January 4th, the first day of the conference.

Please feel free to share this news with family members, friends and co-workers. More info, including a scholarship information flyer available at <http://www.no-spills.org/Pages/2016-Conference-Scholarship.aspx>

Scholarship Applications are available for download here. Deadline for scholarship submittal is Friday, November 20, 2015.

### TURKEY: MOIG HAS RELEASED AGENDA FOR REGIONAL AND NATIONAL OIL SPILL RESPONSE CAPABILITY AND COOPERATION WORKSHOP



ISCO Industry Partner, the Mediterranean Oil Industry Group (MOIG) has just released the final agenda for the Workshop entitled "Regional and National Oil Spill Response Capability and Cooperation" scheduled to be held over 17-19 November 2015 in Sheraton Hotel in Adana-Turkey in cooperation with BIL and NRC.

More info and Reservations Email: [info.moig@planet.tn](mailto:info.moig@planet.tn) Phone: +216 71888439

#### Day One - Tuesday November 17th

08:15 - 09:00 Registration

09:15 - 09:45 Opening Address & Welcome Remarks, Mahmoud Kamour (Chairman, MOIG) & David Cook (Vice President, NRC)

#### Session 1 - Regional and National Response Capacity Building

Chairpersons - Henne Hennis - Shell, Mahmoud Kamour - MOIG

09:45 - 10:10 MOIG Framework and Update of 2015 Activities (Houcine Mejri, MOIG)

10:10 - 10:35 Regulation 5312 - Development of a National Oil Spill Response Capability (TBA, Republic of Turkey Ministry of Transportation Maritime Affairs and Communication)

#### Session 2 - Contingency Planning and Legislation & Spill Preparedness

Chairpersons - Yassine Mestiri - ETAP, David Cook - NRC International

10:35 - 11:00 National Emergency Response System, for Turkey (Nesibe Obuz, Republic of Turkey Ministry of Environment and Urbanisation)

11:00 - 11:25 BTC Pipeline, Preparedness and Emergency Response Capabilities (Bulent Inanc, BIL)

11:25 - 11:50 Legal Framework for the Protection of the Marine Environment from Exploration and Production Activities in the Mediterranean Sea / Case of Tunisia (Hedi Herichi, ETAP)

11:50 - 12:30 Reflection on Spill Preparedness: What Macondo Changed for Shell / Position of an Oil Major (Henne Hennis, Shell Support to Members)

#### Session 3 - Regional and National Response Capacity Building

Chairpersons - Kerem Kermeli - MEKE Marine, Frands Jensen - DESMI



Development of Tier 2 Oil Spill Response Centers

13:45 - 14:10 Development of Tunisia Tier 2 Co-ordination Centers (Yassine Mestiri, ETAP)

14:10 - 14:35 Oil Spill Response Centers Development (Richard Byrnes, IEMS)

14:30 - 15:00 Design, Establishment & Delivery of National & Regional Shared Response Services (David Cook, NRC International)

#### **Session 4 - Oil Spill Preparedness, Capability & Integrated Response**

Chairpersons - Capt. Richard Byrnes - IEMS, Richard Hill – Markleen

15:20 - 15:45 NOC Libya Oil Spill Preparedness and Capability in the Region (Jamal Baghni, NOC).

15:45 - 16:10 Gap analyses of response preparation in Turkey and Mediterranean Sea (Kerem Kemerli, MEKE Marine)

16:10 -16:35 Regional Spill Response Capability in the Mediterranean (Derrick Pisani, AOST)

16:35 - 17:00 Case Study of Integrated Response Efforts between Government and Industry (Demir Aksehirli, NRC Turkey)

#### **Day Two - Wednesday November 18<sup>th</sup>**

#### **Session 5 - Oil Spill Response Services and New Technologies**

Chairpersons - Demir Aksehirli - NRC Turkey, Malek Kallel – SEREPT

08:30 - 08:45 Recap on Previous Day

08:45 - 09:15 Developments in the Mediterranean Region in the Field of Oil Spill Preparedness and Response (Gabino Gonzalez, REMPEC)

09:15 - 09:45 Proven OSR Equipment and the Latest Innovative Developments (Frands Jensen, Desmi)

09:45 - 10:15 New Marine Terminal, Port & Harbour Protection Systems (Richard Hill, Markleen)

10:15 - 10:45 Oil Spill Response Experiences of Meke in Turkey and the Region (Kerem Kemerli, MEKE)

#### **Session 6 - National & Regional Emergency Response Exercises**

Chairpersons - Gabino Gonzalez - REMPEC, Derrick Pisani – AOST

11:00 - 11:25 Black Sea Commission - Member State Regional Oil Spill Exercise Programme (UIA)

11: 25 - 11:50 Examples of Emergency Response from the Eastern Mediterranean Region (Paul Xiradakis, OSRA)

11:50 - 12:15 Tunisia Tier 2 Exercise (Richard Byrnes, IEMS)

12:15 - 12:40 Ashtart Major Emergency Exercise; FPSO disconnection and drift (Malek Kallel, SEREPT)

12:40 - 13:00 Overview of Ceyhan Tier 2 OSR base Visit On Day 3 (Capt. Erol Mordonlu, NRC Turkey)

The afternoon has been left free for you to explore Adana and the local area

#### **Day 3 - Thursday November 19<sup>th</sup>**

#### **Session 7 - Ceyhan Marine Oil Loading Terminal Visit**

Chairpersons - Demir Aksehirli, Capt. Erol Mordonlu - NRC Turkey

08:00 – 10:00 Base Visit and Inland Spill Response Demo

10:00 – 12:15 Marine, Shoreline Oil Spill Response & Wildlife Rehab Demonstrations

12:15 - 12:45 Visit to BIL Incident Command Centre & Fire Control Centre

#### **Session 8 – Discussion**

Chairpersons - Mahmoud Kamour, Houcine Mejri - MOIG, David Cook - NRC International

14:45 – 1700 Open Floor to Share Ideas and Recommendations; Presentation to New MOIG Members, Thanks to Local Partners & Workshop Photograph; Closing Remarks 16:30 - 16:45



[Cargo Risk Management Seminar](#): 7 - 8 December, Dexter House,  
[Salvage & Wreck Removal Main Conference](#): 9 - 10 December, Grange City Hotel  
[Salvage Contracts in Practice Tutorial Day](#): 11 December, Grange City Hotel

London, 7-11 December 2015

- Case study corner discussing the AMADEO 1 and the GOODFAITH
- Panel sessions on places of refuge, comparing salvage contracts and industry consolidation
- Fireside chat – a day in the life of an underwriter
- Contracts working group – what is the alternative to LOF?
- Rapid response panel with the H&M insurance market
- Ports of refuge perspective on receiving the FLAMINIA

View the conference [agenda](#)    View the tutorial day [agenda](#).

Featuring an expert speaker line up including TMC Marine, Minton, Trehane & Davies, Braemar and Zurich Engineering. See the early speaker line up [here](#).

Join 200+ attendees and 40+ speakers from 20+ maritime nations in London at the 18th Annual [Salvage & Wreck Removal Conference](#) for 5 days of unparalleled networking opportunities, industry discussions and case study updates.

## UPCOMING EVENTS SUMMARY

COUNTRY	2015	TITLE OF EVENT	LOCATION
For more information click on Title of Event			
USA	Nov. 10-12	<a href="#">Clean Gulf Conference &amp; Exhibition</a>	New Orleans
TURKEY	Nov. 17-19	<a href="#">Regional Oil Spill Response Workshop</a>	Adana City
GERMANY	Nov 18	<a href="#">BIMCO's Annual Conference &amp; Awards Dinner</a>	Hamburg
BELGIUM	Nov. 18-19	<a href="#">PEFTEC Exhibition &amp; Seminars</a>	Antwerp
USA	Nov. 19-20	<a href="#">Pipeline Safety Trust Conference</a>	New Orleans
BELGIUM	Dec. 7	<a href="#">MSP &amp; Marine Env. Conference</a>	Brussels
UK	Dec. 7-11	<a href="#">Salvage &amp; Wreck Removal Conference</a>	London
UK, N. IRELAND	Dec. 15	<a href="#">ISAA Meeting and Christmas Luncheon</a>	Hillsborough
<b>2016</b>			
USA	Jan. 4-6	<a href="#">No Spills Annual Conference</a>	Acme, Michigan
UK	Feb 9	<a href="#">UK Spill Members' Meeting and Dinner</a>	London
UK	Feb 15-19	IMO Pollution Prevention & Response S/C'ttee.	London
UK	Feb 17-18	<a href="#">Society of Maritime Industries Conference</a>	Hull
SAUDI ARABIA	Feb 22-24	<a href="#">PetroEnvironment 2016</a>	Dammam
UK	April 18-22	IMO Marine Environment Protection Committee	London
AUSTRALIA	May 2-6	<a href="#">Spillcon 2016</a>	Perth, WA
USA	June 21-23	<a href="#">Clean Pacific Conference &amp; Exhibition</a>	Seattle, WA
To request posting of an event of interest to the Spill Response Community please send details to the Editor			

## Company news

### INDIA: ACCREDITATIONS HELD BY VIRAJ CLEAN SEA ENTERPRISES

ISCO Corporate Member, Viraj Clean Sea Enterprises advises that its Training Facility now holds Accredited Status awarded by the Nautical Institute which is the internationally recognised authority for assessment of marine oil spill response training. In addition, Viraj CSE has been accredited by the Consultancy Development Centre of the Indian Government's Ministry of Science & Technology for providing Consultancy for Oil Spill Risk Assessment and Contingency Planning. <http://www.virajcse.com/home.html>

### UK & IRELAND: LATEST AWARDS OF ISAA ACCREDITATION

**Environmental Damage Management Ltd.** in Belfast, Northern Ireland has successfully completed oil spill response accreditation assessment and has been awarded certification for Freshwater Level 2, Groundwater Level 3 and On-land Level 3.

**Dyno-Rod Ltd.** in Belfast, Northern Ireland has successfully completed oil spill response re-accreditation assessment. The company's existing certification for Freshwater Level 2 has been re-validated and its On-land certification has been upgraded to Level 3.

### CORPORATE MEMBER, NORTEK BV, WINS ORDER FROM CHEVRON BRAZIL



OSD Radars on 3 vessels, additional sensors, Oil Spill Detection, Hydrography  
SeaDarQ Online with Viewers on the Vessels, the FPSO, central office, authorities  
Installation in summer 2015

Nortek B.V. received an order from Chevron Brasil Upstream Frade Ltda. in Brazil to install an Oil Spill Monitoring and alarming system on the Frade field FPSO and three accompanying vessels. The system will consist of several [Nortek SeaDarQ radars](#) with automatic oil spill detection, combined with Infrared Sensors and auxiliary sensors. The new [Nortek SeaDarQ Online](#) system will be used for data distribution, alarming and display at the FPSO, the vessels and in the main office of Chevron Brazil in Rio de Janeiro

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