

## 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.

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## International news

### CEDRE RECEIVES THE 2015 GREEN STAR AWARD



From left to right: **Gilbert Le Lann** (CEDRE), **Sarah Costa** (Women's Refugee Commission), **Patrick Appert** (Ambatovy)

On 1 June 2015 in Oslo, Gilbert Le Lann, Director of the Centre of Documentation Research and Experimentation on Accidental Water Pollution, received the Green Star Award in the Response category presented by Mrs Mette Løyche Wilkie, Director of the Division of Environmental Policy Implementation, United Nations Environment Programme.

The United Nations Office for the Coordination of Humanitarian affairs (OCHA), the United Nations Environment Programme (UNEP) and Green Cross International established the Green Star Awards in 2007 to recognize environmental emergencies excellence in three categories, preparedness and prevention, response and environment and humanitarian action.

The Centre of Documentation, Research and Experimentation on Accidental

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## International news (continued)

Water Pollution was chosen to receive an award this year for its efforts in responding to environmental emergencies, in particular for deploying experts to Philippines in the aftermath of the typhoon Yolanda in November 2013 and to Bangladesh in the aftermath of the Sundarbans oil spill in December 2014.

Since 2006 Cedre has been mobilized 6 times to respond to environmental emergencies in the UNEP/OCHA framework: in the south of Lebanon in 2006, Kertch Strait and South Korea in 2007, the Philippines in 2008 and 2013 and more recently Bangladesh in December 2014. Most of these missions were jointly organized with the European Commission.

This award, which is the United Nations highest award for Environmental Emergencies, is an international recognition for Cedre which was established 36 years ago in the aftermath of the Amoco Cadiz oil spill.

Cedre [See source document and view video of the award ceremony](#)

## RESEARCH AND MARKETS: OIL SPILL MANAGEMENT MARKET - GLOBAL INDUSTRY ANALYSIS, SIZE, SHARE, GROWTH, TRENDS, AND FORECAST 2014 - 2020

June 9 - [research/2kvk98/oil\\_spill](#)) has announced the addition of the "[Oil Spill Management Market - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2014 - 2020](#)" report to their offering.

The global oil spill management can be divided into pre- and post-oil spill management scenarios. Pre-oil spill management deals with utilization of technologies to prevent oil spills. Post-oil spill management deals with different methods employed to contain, manage or clean an oil spill. Increasing seaborne and pipeline transportation of crude oil and chemicals around the world is one the major factors influencing the oil spill management market. Moreover, stringent regulations pertaining to the utilization of safety devices and technologies while drilling or transporting crude oil is an additional factor augmenting the oil spill management market.

Yahoo Finance [Read more](#)

## Incident reports from around the world (in chronological order)

### USA: TANK TRAILER SPILLS 6000 GALLONS OF DIESEL NEAR COOK INLET, CLEANUP UNDERWAY

May 26 - Clean up and assessment work continues following a diesel spill in southern Cook Inlet over the weekend. The vessel in question is currently tied up in Seldovia, on the southern Kenai Peninsula.

The 116-foot landing craft, Thor's Hammer, was traveling from [Seward](#) to [Bristol Bay](#) when it encountered rough seas between [Gore Point](#) and [Nuka Island](#), which is in [Kachemak Bay State Park](#). Winds were reported in that area at 25 knots with seas to six feet Friday night.

Steven Russell is an environmental program manager with the [Alaska Department of Environmental Conservation](#). He says the vessel itself wasn't damaged, but its cargo was "They had a 9,000 gallon tank trailer onboard the vessel and it moved. It didn't necessarily break loose, but it shifted and punctured the tank trailer in two places." [Kbbi.org](#) [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group] See also June 3 [Homer Tribune](#) [Read more](#)

### GERMANY: NORTH SEA SHIP EVACUATED OFF GERMANY AMID BLAST FEARS

Photo: The Purple Beach caught fire en route from Immingham in north-east England to Germany



May 27 - The 192m-long (630ft) ship had been heading from Immingham on the north-east coast of England to Brake, south of Bremerhaven, when it caught fire. It was still well alight on Wednesday and authorities said there was a danger it might explode.

"There's no danger to the environment yet," maritime official Michael Friedrich said, although there were fears that could change. [BBC News](#) [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

Update: May 29 - [ichannel.com](#) [Read more](#)

## Incident reports from around the world (continued)

### KUWAIT: OIL LEAK DISCOVERED AT KUWAIT'S MINA ABDULLAH REFINERY

June 1 - Kuwaiti National Petroleum Company (KNPC) announced that a leak had been discovered in a water treatment unit tank at its Mina Abdullah refinery, the state news agency reported. The agency said workers had activated plans to control the leak and sought the help of specialised companies. *Trade Arabia* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### USA: HAZARDOUS MATERIAL SPILLS INTO CLINTON RIVER; TRAVELED THROUGH PONTIAC INTO ROCHESTER HILLS

June 3 - The Auburn Hills Fire Department is investigating a fuel spill into the Clinton River. It happened just after 3 p.m. in Auburn Hills near the area of Auburn Court and Auburn Road.

The department responded to a report of an unknown substance floating on top of the river. They determined it was petroleum-based. Right now, it is believed the substance is in Pontiac where the Clinton River is covered. *WXYZ* [Read more & watch video](#)

### CHINA: TANKER CARRYING 32 TONS OF NAPHTHA CRASHES INTO SHANXI RESERVOIR, 10 TONS LEAKED INTO WATER



June 4 - A tanker loaded with 32 tons of naphtha, a flammable hydrocarbon liquid mixture, overturned into a Hanzhong reservoir in Shanxi province on Monday night. The driver from the truck was found dead and another is reportedly still missing.

The [20-meter-long tanker](#) had separated from the rest of the truck and was found floating at the surface of the water, leaking an estimated 10 tons of naphtha. The driver of the truck was already dead when firefighters arrived with cranes to lift the damaged truck out of the water.

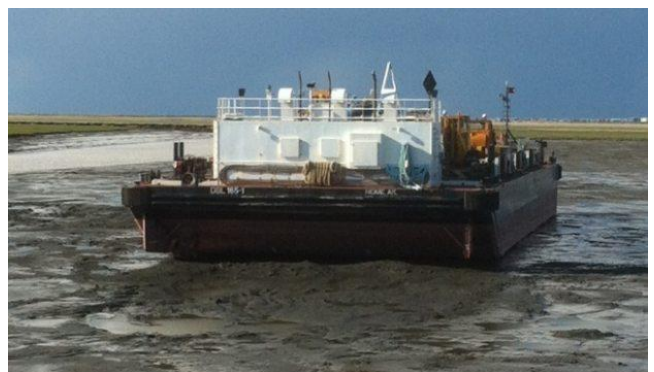
[The Hanzhong City Environmental Department](#) is still awaiting results from samples taken from the reservoir to test the water quality. Meanwhile, large amounts of absorbent materials have been used to soak up the spill. *Shanghaist.com* [Read more](#)

### USA: FUEL BARGE GROUNDS IN S.W. ALASKA; COMPANY SAYS VESSEL IS BUILT FOR IT

*Photo: The barge DBL165-1 rests grounded in the mud of the Kongiganak River near Bethel, Alaska, June 4, 2015. Coast Guard personnel are monitoring response efforts to remove the barge from the mud.*

June 5 - The barge DBL165-1 grounded Wednesday with 50,000 gallons of jet fuel, 17,000 gallons of diesel fuel and 1,000 gallons of regular unleaded fuel aboard while being pushed by the tug vessel Nanchik. Attempts at re-floating the barge at high tide have failed.

An examination of the barge revealed no damage to the tanks or hull. A Coast Guard C-130 Hercules plane crew from Air Station Kodiak conducted an over flight of the vessel. No pollution or injuries have been reported. *Safety4Sea* [Read more](#) Another report in [Alaska Dispatch](#) [Read more](#)



### USA: REFUGIO OIL SPILL RESPONSE PROGRESS UPDATES

June 6 - Shoreline Cleanup Assessment Technique teams, made up of scientists trained in evaluating oil coverage on shorelines, survey beaches and report on their status. The survey results drive where cleanup operations will occur. Survey work includes looking at the high and low tide areas, examining the area below the sand, down to two feet, and checking all of the rock and other beach structures for oiling.

June 7 - Shoreline Cleanup Assessment Technique (SCAT) teams at the Refugio Incident have assessed 96.5 miles of shoreline. As of June 7, about 44 percent has met its cleanup goals. These areas are mostly sandy beaches with some rip rap (stone or other material used to support shorelines and banks). Most of these areas have only trace amounts oil on them which is less than 1 percent. Clean areas will continue to be monitored for re-oiling which may occur, especially with the natural oil seeps in the area. Cleanup continues on other parts of the shoreline, especially cobble and rock areas which require hand crews, and in the excavation area in the vicinity of the initial release. The work will continue until the cleanup goals for those areas have been met.

## Incident reports from around the world (continued)



June 8 - Source: Unified Command for Refugio Oil Spill:

Shoreline Cleanup Assessment Technique (SCAT) teams updated the survey results for shoreline in the Refugio Incident. Of the 96.5 miles of shoreline surveyed in Santa Barbara County, 75 percent have met cleanup goals. Clean areas will continue to be monitored for re-oiling which may occur, especially with the natural oil seeps in the area. Teams will also continue to take samples.

Cleanup continues on other parts of the shoreline, especially cobble and rock areas which require hand crews, and in the excavation area in the vicinity of the initial release. ([See video on rock cleaning](#)) The work will continue until the cleanup goals for those areas have been met.

For more information contact: Joint Information Center (805) 770-3682

[www.refugioresponse.com](http://www.refugioresponse.com) [reply@refugioresponse.com](mailto:reply@refugioresponse.com) [Edhat.com](http://Edhat.com) The above reports have been abridged. To see the unabridged reports, SCAT survey map, more photos and video click on [Read more](#)

See also another report in *Winnipeg Free Press* [Read more](#)

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### USA: SLOW OIL LEAK DISCOVERED ON TRANS-ALASKA PIPELINE

June 6 - Alyeska Pipeline Service Co. and state authorities are responding to a slow leak of crude oil discovered in a buried section of the 800-mile trans-Alaska pipeline.

The Alaska Dispatch News reported (<http://bit.ly/1KM9qF3>) that a joint near Pump Station 10 between Glennallen and Delta Junction spilled an estimated 10 gallons of oil, according to a Friday incident report from the Alaska Department of Environmental Conservation. The leak was discovered during standard maintenance last Friday. *The Washington Times* [Read more](#)

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### UK: OIL COMES THROUGH DRAINS AFTER SECOND SPILLAGE AT BOTTESFORD BECK, LINCOLNSHIRE

June 7 - An investigation has been launched by the Environment Agency after a major oil spill in the Bottesford Beck for the second time this year. The slick of oil affected more than two kilometres of the Beck, which is Scunthorpe's main drain. *Scunthorpe Telegraph* [Read more](#)

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### INDIA: ODISHA STATE VERIFIES IMPACT OF OIL SPILL ON SOIL, WATER



June 9 - A team of the Odisha State Pollution Control Board verified the oil spill caused by leaks in the pipe line of oil refinery of IOCL here as miscreants had reportedly damaged the pipeline at certain points.

The team inspected the spot and studied the adverse impact on soil, river water, mangrove and marine species on Monday. Frequent oil pilferage from the pipe line of oil refinery of IOCL has poised a threat to marine species and mangrove forest in coastal areas.

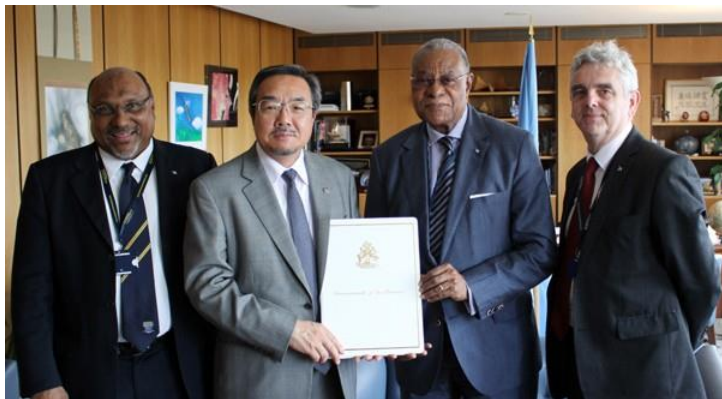
Petroleum products like diesels, petrol and kerosene are being supplied from vessels to the area. The four lane pipelines of IOCL which stretch about 15 kms from the oil berth to Oil Refinery project of IOCL is along a isolated area here

making it vulnerable to theft or damage by miscreants.

These miscreants are active and often try to steal petroleum products by cutting the pipe lines. Nearly five to six theft cases have been registered. It is alleged that miscreants siphon off petroleum products worth thousands of rupees. On Sunday the gang cut a pipeline of IOCL at Kaudia River bed of Paradip area and placed a valve to extract fuel. *The Statesman* [Read more](#)

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

### BAHAMAS: BAHAMAS ACCEDES TO WRECK REMOVAL CONVENTION



The Bahamas has become the 22nd Contracting State to the [Nairobi International Convention](#) on the Removal of Wrecks. High Commissioner H.E. Eldred Bethel, Permanent Representative of the Commonwealth of the Bahamas to IMO, today (5 June) met IMO Secretary-General Sekimizu to deposit the instrument of accession to the Convention.

The Convention, which entered into force in April this year, places strict liability on owners for locating, marking and removing wrecks deemed to be a hazard and makes State certification of insurance, or other form of financial security for such liability, compulsory for ships of 300 gross tonnage and above. The 22 Contracting States now represent 37.64% of world merchant shipping tonnage. *IMO Press Release*

### CANADA: 2006 ALERT FUEL SPILL CLEANED USING BIOREMEDIATION TECHNIQUES

June 2 - The success of a bioremediation project in the High Arctic may lead to a cheaper and simpler way to clean up fuel spills.

In 2006, a fuel line broke at Canadian Forces Station Alert, spilling 22,000 litres of diesel fuel. The Department of National Defence partnered with the National Research Council of Canada to clean it up using bioremediation technologies.

Bioremediation uses naturally occurring microorganisms in the soil to break down the diesel into less toxic or non-toxic substances. At Alert, nutrients (phosphorous and nitrogen) and oxygen were mixed into the soil to increase the consumption of the petroleum hydrocarbons by microorganisms already present. *CBC News* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### CANADA: SPILLS ON THE RISE IN B.C.

Jun 3 - There were 3,786 reports of dangerous goods spills in B.C. in 2014 — from French fry oil to mining tailings to frack water - Last April, 100,000 litres of crude oil and produced water spilled somewhere in Northeast British Columbia.

Several months later, another 400,000 litres of produced water — a salty by-product of the fracking process that contains trace amounts of hydrogen sulfide and crude oil — poured into the environment in the Peace Region.

As oilfield spills in the Peace Region go, the two were some of the largest in 2014. They were among the several thousand spills listed in a database obtained by Alaska Highway News through a Freedom of Information request. *Times Colonist* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### CANADA: KINDER MORGAN EXPANSION INCLUDES TRIPLING OIL SPILL CLEANUP STAFF



*Kinder Morgan is prepared to pay Western Canada Marine Response Corporation \$100 million to enhance oil spill cleanup capacity on the West Coast if the Trans Mountain pipeline expansion goes through. The enhanced plan would include five new bases on the coast, 100 new WCMRC staff and shorter oil spill response times. Photograph By Larry Wright*

June 5 - If the Kinder Morgan pipeline expansion goes through, the company plans to invest \$100 million in marine oil spill response plans, which include opening five new bases in B.C., 100 new staff and cutting spill response times in half. "As part of the expansion, there's a commitment to have an enhancement of (Western Canada Marine Response Corporation)'s existing resources," said Kinder Morgan's Mike Davies. "It would result in doubling of planning standards for response capacity."

WCMRC's main base is in Burnaby. The Kinder Morgan plan includes five new bases, some of which will be operating 24 hours. The locations have not been finalized yet, but WCMRC is considering areas near Deltaport, Nanaimo, Sidney, Sooke and Ucluelet. *Burnabynow.com* [Read more](#)

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

### CANADA: TRANSPORT CANADA PROPOSES CHANGES TO STRENGTHEN THE SAFE TRANSPORTATION OF DANGEROUS GOODS

June 5 - Today, the Honourable Lisa Raitt, Minister of Transport proposed new amendments to the Transportation of Dangerous Goods Regulations that would enhance reporting requirements and expand data collection. The proposed amendments would apply to the transportation of dangerous goods in all transportation sectors.

The proposed amendments would broaden the scope of the original reporting requirements and help improve emergency response and risk analysis through stronger, more comprehensive data collection. This additional information would allow Transport Canada to establish more effective regulations in the future. *NewsWire.ca* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### CHINA: TRAINING SEMINAR IN SHENZHEN, CHINA

June 4 – News received from ITOFF: In May, ITOFF presented at a four day training seminar for oil spill on-scene commanders in Shenzhen, China. The course was organised by the Chinese Ministry of Transport and was run jointly by ITOFF with the involvement of Dalian Maritime University, the MSA Yantai Oil Spill Response Technical Centre (Maritime Safety Administration) and the Shanghai MSA.

The seminar was divided into three days of formal presentations and a half day exercise, with course attendees split between representatives from a number of MSA regions and a number of Chinese SPROs (Ship Pollution Response Organisations). Dr Ann Zhang and Dr Joe Green attended as speakers, with assistance from Rose Ying for translation, course facilitation and logistics as well as to assist with the preliminary organisation of the seminar. *ITOPF* [Read more](#)

### FRANCE: POLLUPROOF AT-SEA TRIALS

June 9 - As part of the **Polluproof** project (funded by the French National Research Agency **ANR**), a team from Cedre took part in trials in the Mediterranean Sea, with support from the French Navy, aimed at validating the feasibility of detecting a drifting chemical slick using sensors onboard 3 planes, including the French Customs' **POLMAR** plane.

This task, coordinated by **ONERA** and implemented in collaboration with the Canadian agency **DRDC**, was the opportunity to test the capacity of several sensors, including the traditional UV-Vis (ultraviolet-visible) and IR (infrared), to detect the presence of 6 very different chemicals (vegetable oil and refined products) *Cedre Newsletter* [Read more](#)

### INDIA: ACID SPILLS FROM TANKER SPELLS PANIC IN DURGAPUR

June 3 - Panic gripped Durgapur on Tuesday morning after hydrochloric acid spilled from a tanker that was being loaded inside the state owned Durgapur Chemicals Limited (DCL) and the spillage mixed with pond water.

The panic heightened after residents saw dead fish floating in the pond. What was worse, the affected pond is linked with a canal that is being used to transport water to the Durgapur civic body's water treatment plant at Angadpur. *The Statesman* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### INDIA: MUMBAI, JNPT GET FACILITY TO CLEAR HARBOURS OF OIL SPILLS

June 6 - City's coast line can expect minimal damage to the environment in case of oil spill. The shipping minister inaugurated India's first Tier I Oil Spill Response facility that will cover around 400 sq kilometers of water front in and around Mumbai's harbour.

The facility is in accordance with the National Oil Spill Disaster Contingency Plan (NOS-DCP) prepared by the Indian Coast guard. The facility was inaugurated at the hands of the shipping minister Nitin Gadkari to coincide with the World Environment Day. *The Times of India* [Read more](#)

### INDIA: POLLUTION PANEL ISSUES ULTIMATUM TO INDUSTRIES POLLUTING THE GANGA

June 9 - The government has set end of June as the new deadline for industries along the Ganga to install an online pollution reporting systems, failing which they would be shut down.

The internet-based reporting systems, which would help the Central Pollution Control Board (CPCB) monitor emissions and effluent discharge, is one of the biggest initiatives taken by the Modi government to clean Ganga, considered one of the 10 most polluted rivers in the world. *Hindustan Times* [Read more](#)

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

### INDIA: CABINET NOD TO INDIA JOINING CONVENTION ON OIL SPILL DAMAGES

June 10 - The union cabinet on Wednesday approved the Ministry of Shipping's proposal for India to join the Bunker Convention to ensure compensation for damages caused by spills of oil when carried as fuel in ship bunker.

The decision was taken at the cabinet meeting chaired by Prime Minister Narendra Modi.

"The union cabinet today (Wednesday) approved the Ministry of Shipping's proposal for India's accession to the International Convention on Civil Liability for Bunker Oil Pollution Damage, 2001, (Bunker Convention) of the International Maritime Organisation [IMO]," an official release said.

It said that the cabinet also decided to amend the Merchant Shipping Act, 1958, to give effect to the Bunker Convention, Nairobi Convention and Salvage Convention. *Daijiworld.com* [Read more](#)

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### NIGERIA: OIL SPILL: SHELL WILL PAY N30M TO FOUR COMMUNITIES IN DELTA STATE

June 7 - A Supreme Court on Friday has ordered the Shell Petroleum Development Company (SPDC) of Nigeria Limited to pay a compensation of N30,288,681 to four communities in Delta State, over oil spillage incidents.

The four communities – Obotobo, Sokebolo, Ofogbene (Ezon Burutu) and Ekeremor Zion (Ezon Asa) – had, through some of their leaders, instituted separate suits against the oil company before the then Bendel State High Court in 1983.

A High Court in the then Bendel State had in a judgment on May 27, 1997, asked Shell to pay the sum of N4,095,085 to Obotobo; N13,278,306 to Sokebolo; N7,392,589 to Ofogbene (Ezon Burutu) and N5,522,701 to Ekeremor Zion (Ezon Asa). But Shell were dissatisfied with the judgement and took the case to the court of Appeal. *Nigerian Reviews* [Read more](#)

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### SOUTH KOREA: SEOUL CITY SPEEDS UP U.S. BASE POLLUTION PROBE

June 1 - Seoul City has accelerated its probe into the suspected pollution of the U.S. military base in the capital as part of its efforts to seek the source of oil leaks, officials said Monday.

The Seoul Metropolitan Government said it obtained 18 underground water samples among 32 boreholes in Yongsan Garrison in central Seoul last week. The central government will look into whether the samples contain toxic volatile substances such as benzene, xylene and toluene.

Korean environment officials suspect that the oil leaks, which were detected in 2001 around Noksapyeong Station near the U.S. base, originated from Yongsan Garrison. *The Korea Herald* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

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### USA: EPA, HAWAII AND MILITARY REACH PLAN TO PREVENT FUEL LEAKS

June 1 - The U.S. Environmental Protection Agency and the Hawaii state Department of Health on Monday announced a tentative deal with the military to better prevent and detect leaks from 20 giant fuel storage tanks near Pearl Harbor.

The proposed agreement announced Monday commits the Navy to installing improved technologies at the Red Hill. *Military Times* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

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### USA: ENBRIDGE REACHES 2ND DEAL OVER 2010 MICHIGAN OIL SPILL

June 8 - The company responsible for a major oil spill in southwestern Michigan has reached an agreement with the federal government on environmental repairs, a month after a separate deal with the state.

The government said Monday that about \$4 million will cover a variety of projects, including the restoration of 175 acres of oak savanna in Fort Custer State Recreation Area and wild rice beds along the Kalamazoo River.

The Enbridge Energy spill released more than 800,000 gallons of oil from a broken pipeline in 2010. It spoiled approximately 40 miles of the Kalamazoo River and Talmadge Creek.

Five years later, state regulators say any remaining oil is minimal and at the bottom of the river or in the banks. *The Washington Times* [Read more](#)

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

### USA: LOOKING BACK AT THE MEGA BORG OIL SPILL 25 YEARS AGO THIS WEEK

June 8 - On June 8, 1990, the Norwegian oil tanker Mega Borg suffered an explosion while undergoing operations in the Gulf of Mexico, just 50 miles from the Texas coast. Millions of gallons of oil soon leaked into the sea, necessitating a massive cleanup operation.



All this happened just over a year after the catastrophic Exxon Valdez oil spill off the coast of Alaska. That spill resulted in 11 million gallons of crude in the Pacific Ocean.

The Mega Borg suffered a pump room explosion as it was lightering Angolan crude oil to another ship, bound for a Pasadena refinery. It could have been a much worse oil spill had the tanker spilled the nearly 40 million gallons that it was hauling. Fast-working fire crews and Coast Guard officials worked to fight the blaze on site for days.

To assist officials in the massive cleanup of the five million gallons of oil spilled, 100 pounds of oil-eating bacteria were used on open waters for the first time, with the microbes tasked to remove the oil by natural processes. The bacteria work to turn toxic petroleum compounds into water, carbon dioxide and harmless fatty acids. The job was

a success, although many people along the Gulf Coast of course contended with tar balls washing up on the shore. *Chron.com*  
[Read more](#)

### USA: OBAMA ADMINISTRATION ISSUES FINAL RULE ON “WATERS OF THE UNITED STATES”

June 9 - The U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency have issued a final rule revising the definition of “Waters of the United States” under the Clean Water Act that will impact many segments of the U.S. economy.

The final rule's expansive definition of “tributary” and the categorical inclusion of adjacent waters and wetlands within the 100-year floodplain of a tributary will make it easier for the agencies to regulate large areas of the landscape without the need for site specific evidence demonstrating a significant nexus to a navigable water.

The final rule could also sweep in isolated features, such as vernal pools and prairie potholes, located a great distance from navigable waters, particularly impacting the arid West. *HKLaw.com* [Read more](#)

*Note from editor: The above excerpt represents the highlights only of a long and detailed analysis published by Holland and Knight*

## People in the news

### BEN WASHBURNE - NEW STRATEGIC ACCOUNT MANAGER FOR OSPREY SPILL CONTROL

Ben Washburne is now Osprey Spill Control's Strategic Manager for Europe, Scandinavia, Russia, Azerbaijan, Turkmenistan, Georgia, Iran, Saudi Arabia and the UAE. Ben comes to Osprey with a Masters in International Business Relations from Bilkent University in Ankara, Turkey and achieve Cum Laude with a double major of International/World politics and Diplomacy and German Studies in undergrad studies. Ben has lived in Germany, Turkey, United States, and Guatemala.

## ISCO News

### YOU ARE INVITED TO COME TO ISCO BOOTH 106 AT CLEAN PACIFIC IN VANCOUVER

The Conference and Exhibition opens tomorrow and runs from 15- 18 June at the Vancouver Convention Centre.

ISCO President, David Usher, and Membership Director, Mary Ann Dalglish, are looking forward to welcoming you and will be ready to answer your questions about ISCO, what it is doing for the spill response community and its current new initiatives in support of the organization's continuing development.





## FIELD TRIALS TO EVALUATE INLAND AND SHORELINE SUBSURFACE OIL DETECTION USING CANINE TEAMS

A short article contributed by Dr Ed Owens, President of Owens Coastal Consults (OCC) and the Owens Response Group (ORG) International. He has 45 years of experience in spill response and training worldwide. Results of the trials will be presented during the Clean Pacific Conference this week.



Field trials to evaluate the ability of trained oil detection dogs to locate subsurface oil and clear non-oiled areas were conducted by Owens Coastal Consultants and K2 Solutions at the K2 K9 Training Center in Jackson Springs, North Carolina, USA, 1-4 June, 2015. The trials were undertaken as part of an American Petroleum Institute (API) Joint Industry Task Force (JITF) Oil Spill Preparedness and Response program to evaluate the current state-of-the-art in Subsurface Oil Detection and Delineation technologies in support of pipeline, inland and shoreline oil spill response.

Two canine teams were trained for the project by K2 Solutions using a Texas Intermediate crude oil. A total of 21 tests involved 704 targets and all tests were conducted "blind", that is; the dog handler did not know the location of the oiled targets. Two primary test types were conducted: (1) a Wide Area Search pattern for (a) detection of a single subsurface oil target in large areas; and (b) "clearance" of a non-oiled areas; and (2) delineation tests using a series of 50 prepositioned plastic tubes within a 1,250m<sup>2</sup> area which contained either small traces of oiled sediment at a range of depths up to 90cm, unoiled sediments, or blanks.

The dog teams found every Wide Area Search target with no false alerts in 7 surveys. The average time for the Wide Area Search tests, over areas of approximately 0.5 hectare, was 3 minutes: this type of High Confidence-Low Risk survey is equivalent to 2km/hour or on the order of 15-25 linear km/day for 100% coverage of a 50-m wide shoreline or pipeline alignment.

Fourteen (14) delineation tests involved six different configurations to represent either continuous, discontinuous, isolated, or pipeline alignment subsurface oiling. Several (20) missed target or "false" hits occurred due to survey coverage or experimental procedures, but only one unexplained missed target and one unexplained false alert during the delineation tests cannot be attributed to experimental procedures or search pattern issues. In other words, 99.7 % accuracy. From an effort/benefit analysis perspective the average time for the fourteen 1,250m<sup>2</sup> delineation tests was eleven (11) minutes for 100% ground coverage. Typically a SCAT team would be able to complete 1 or 2 pits during that period in an area of this size.

The results of the field trials will be presented at a poster session during Clean Pacific in Vancouver, BC, June 16-18. For further information contact [ed@owenscoastal.com](mailto:ed@owenscoastal.com)

## Publications

### SPOTLIGHT ON MARINE LITTER

This new book gives an overview of the current state of research and of research gaps concerning litter in our oceans: "Marine Anthropogenic Litter" will be released by Springer-Verlag as an Open Access publication in June 2015.

The editors, Melanie Bergmann and Lars Gutow from the Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research (AWI) and Michael Klages from the University of Gothenburg's Sven Loven Centre for Marine Sciences, brought together experts from around the globe to contribute to the book. Estimates of the amount of litter in the world's oceans, its distribution, effects on humans and biota, and prevention strategies are just some of the complex topics addressed in the book's 16 chapters

"There is already quite a substantial body of research on marine litter. Following the 'discovery' of the great garbage patches and microplastics, the subject steadily gained momentum - which made it even more obvious to us how little we currently know about the location and distribution of litter in the oceans," explains AWI biologist Melanie Bergmann

To ensure that interested members of the public can also find comprehensive information on the subject, the editors and authors have made the book freely available on the Internet as an Open Access publication. [DOI: 10.1007/978-3-319-16510-3](https://doi.org/10.1007/978-3-319-16510-3).  
*Terra Daily* [Read more](#)

## Publications (continued)

### USA: HOW TO BETTER PREPARE YOUR COMMUNITY FOR A CHEMICAL EMERGENCY: A GUIDE FOR STATE, TRIBAL AND LOCAL AGENCIES

This guide provides an overview of the EPCRA requirements for State Emergency Response Commissions (SERCs), Tribal Emergency Response Commissions (TERCs), Local Emergency Planning Committees (LEPCs), and Tribal Emergency Planning Committees (TEPCs). These requirements include emergency planning, emergency release notifications, and hazardous chemical inventory reporting.

[How to Better Prepare Your Community for a Chemical Emergency: A Guide for State, Tribal and Local Agencies \(PDF\)](#)

(10 pp, 126 K)

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

<a href="#">AMSA Aboard</a>	News from the Australian Maritime Safety Authority	May 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	May 2015
<a href="#">Celtic Biogenie enGlobe Newsletter</a>	Latest Remediation and related technology news	Spring 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	June 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	May 2015 issue
<a href="#">IMO News Magazine</a>	News from the International Maritime Organization	No 1, 2015
<a href="#">IMO Publishing News</a>	New and forthcoming IMO publications	May 2015
<a href="#">Intertanko Weekly News</a>	International news for the oil tanker community	No 23 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	April 2015 issue
<a href="#">MOIG Newsletter</a>	News from the Mediterranean Oil Industry Group	16 April 2015 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	May 2015 issue
<a href="#">Pollution Online Newsletter</a>	News for prevention & control professionals	June 10 issue
<a href="#">Sea Alarm Foundation Newsletter</a>	News from the Sea Alarm Wildlife Protection Organisation	Spring 2015 issue
<a href="#">SAC News</a>	Oil spill related and other news from Alaska	April 2015
<a href="#">Technology Innovation News Survey</a>	From US EPA - Contaminated site decontamination	April 16-30 2015
<a href="#">The Essential Hazmat News</a>	Alliance of Hazardous Materials Professionals	March 23 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	June 1 2015 issue
<a href="#">USA EPA Tech News &amp; Trends</a>	Contaminated site clean-up information	Spring 2015 issue

## Training

### MIDDLE EAST: SWIRE EMERGENCY RESPONSE SERVICES ANNOUNCE TRAINING PORTFOLIO UPDATES

SWIRE EMERGENCY RESPONSE SERVICES has updated its training portfolio for the second half of 2015 – offering additional course to the IMO I, II & III courses currently delivered at their training facilities in Dubai, Singapore or at Client's own locations.

SERS deliver the following courses to fulfil the IMO levels I, II and III training standards in Oil Spill Response.

- Operational Staff (IMO Level 1)
- Supervisors and On-Scene Commanders (IMO Level 2)
- Senior Management Personnel (IMO Level 3)

In addition, SERS now offers the following courses.

- An Introduction to Emergency / Incident Management (1 to 2 Days)
- Hazardous Material Response Awareness (1 Day)
- Hazardous Material / Hazardous and Noxious Substance Responder (5 Days)
- Aerial Surveillance (1 to 2 Days)

SERS can also provide tailored training courses designed around the specific needs of a Company or Organisation. For more information and a call back please email [info@swire-ers.com](mailto:info@swire-ers.com)

For further details on the above and to book any of Swire Emergency Response Courses, please click here - [www.swire-ers.com](http://www.swire-ers.com)

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