

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), **Lord Peter 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 Dalglish** (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 Osman Tarzumanov** (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 Psaraftis** (Greece), **Captain D. C. Sekhar** (India), **Mr Dan Arbel** (Israel), **Mr Sanjay Gandhi** (Kenya), **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).

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International news

For more information on the events featured below, click on the banner



Oil Spill India 2016
4th International Conference & Exhibition

11th & 12th August 2016,
JW Marriott, Sahar, Mumbai, India

CONTAMINATION
EXPO SERIES 2016

12 & 13 OCT 2016
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HELCOM CONDUCTS ANNUAL OIL SPILL RESPONSE DRILL IN THE BALTIC SEA



June 22 - Ten cubic meters of popcorn played the leading role of a large oil slick today offshore Klaipeda, Lithuania, in the annual Baltic Sea pollution response exercise Balex Delta 2016. Fourteen ships from eight Baltic coastal states formed the HELCOM fleet simulating real life disaster response in a collision between an oil tanker and a trawler, involving a risk of damaging the nearby highly sensitive nature areas with 5,000 tons of crude oil. HELCOM says a large-scale national onshore exercise was organized simultaneously for deployment of the clean-up units as well as coordination between all the actors involved.

The largest maritime counter-pollution drill of its kind in the Baltic Sea area – and one of the largest worldwide – has been a regular HELCOM practice for almost thirty years, in one of the most vulnerable and busiest sea areas in the world. All HELCOM member states take turns in hosting the annual exercise.

Igor Kuzmenko, Chief Coordinator of the exercise was pleased with the proceedings. "Today we set up a full-scale oil recovery operation at the site of the accident, and for the first time some countries' response vessels, from Denmark, Finland, Latvia and Poland, arrived straight to the spill area, 'on call', for added realism. The ships were successfully deploying oil containment booms and skimming equipment", he said.

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International news (continued)

June 22 - A Dutch foundation developing an advanced clean-up system to rid the world's oceans of plastic has unveiled its first ever prototype to be launched later this week in the North Sea. The Ocean Cleanup Foundation, founded by now 21-year-old Boyan Slat when he was just teenager, unveiled its North Sea prototype on Wednesday before main sponsors Boskalis and the government of The Netherlands.

The prototype will be installed in the North Sea approximately 12 nautical miles off the Dutch coast, where it will remain for a period of 12 months. The objective is to test how The Ocean Cleanup's floating barrier fares in extreme weather at sea, even more severe than the types of conditions that a full-scale version of the system may encounter. Once installed, the prototype will be the first ocean cleanup system ever tested at sea.

The foundation says that the 100 meter-long barrier segment to be deployed will help validate the survivability of the system, while sensors will track every motion of the prototype and the loads it is subjected to. The data gathered will enable engineers to develop a system fully resistant to severe conditions during the cleanup of the so-called Great Pacific Garbage Patch, a enormous area of the northern Pacific Ocean where an insurmountable amount of trash has accumulated in mid-ocean gyres. *gCaptain* [Read more](#)

NAMEPA INCREASES MEMBERSHIP

June 21 - Carleen Lyden-Kluss, Co-Founder and Executive Director of North American Marine Environment Protection Association (NAMEPA) announced today that GTT North America (GTT) and O'Brien's Management Response (O'Brien's) have joined NAMEPA as new members. The marine industry continues to focus on ensuring a sustainable marine environment. GTT and O'Brien's show their commitment by joining NAMEPA and the efforts to "Save Our Seas".

"GTT is committed to operational efficiency and compliance with international maritime regulations. GTT works with customers, employees and partners to teach best practices in environmental policy. O'Brien's work in emergency response management encompasses regulatory compliance, safety training and support services to the marine industry. Both GTT and O'Brien's focus on promoting sound environmental practices and shows this desire to do so by taking action and joining NAMEPA", stated NAMEPA's Carleen Lyden-Kluss. *The Maritime Executive* [Read more](#)

International news (continued)

The annual HELCOM Balex Delta was hosted this year by the Maritime Rescue Coordination Centre of the Lithuanian Navy. The shore operation was coordinated by Klaipeda City Fire and Rescue Service. More than forty persons, many from outside the region, signed up as observers of the exercise.

The aim of Balex Delta is to test the alarm procedures and the response capability of the HELCOM countries. Cooperation between combating units as well as staff functions are tested and trained for. Communication between the involved units during the exercise is also practiced by all the participating countries, as well as the interaction between offshore response units and shoreline clean-up units. *Port News* [Read more](#)

DUTCH FOUNDATION UNVEILS PROTOTYPE SYSTEM TO RID THE WORLD'S OCEANS OF PLASTIC



The Ocean Cleanup Foundation's prototype floating barrier sits in front of the MV Union Bear, which later this week will install the prototype in the North Sea. Credit: Ocean Cleanup Foundation.

Incident reports from around the world

RUSSIA: AUTHORITIES RESPOND TO BUNKER SPILL IN VLADIVOSTOK

June 20 - Russia's Federal Service for Supervision of Use of Natural Resources (Rosprirodnadzor) Friday said it responded to a bunker spill at the Port of Vladivostok, Russian media reports.

The spill was said to have been linked to a fuel transfer operation from a FESCO floating oil storage vessel, BZS "BBS-5".

In responding to the spill, Rosprirodnadzor says it deployed booms, but a film of oil still managed to spread to a large area of the waters of the Golden Horn Bay, extending from the fishing port to Tsarevich. *Ship & Bunker* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

PHILIPPINES: GROUNDED BULK CARRIER REFLOATED FROM FAMOUS REEF

June 20 - A Panamanian-flagged bulk carrier has been refloated after running aground on at a world-famous diving site off Cebu, Philippines last week.

The ship, MV Belle Rose, was refloated Saturday morning and moved to an anchorage off the coast San Fernand, Cebu under its own power. According to reports a salvage team from Malayan Towage and Salvaging Corp. used three tugs to pull the vessel into deeper water where they then tested the ships engines and further inspected the hull for damages. No oil spill has been reported. *gCaptain* [Read more](#)

MAURITIUS: GROUNDED BULKER SPILLS FUEL



June 20 - On Sunday, Mauritania's Minister of Civil Service and Administrative Reforms Alain Wong personally dove the site of the grounded bulker Benita to investigate the condition of the vessel.

"I am not satisfied with the salvage. It could be done more quickly," he told Mauritius' Daily Challenge. Wong is an honorary member of the Mauritius Scuba Diving Association and the first and only person to complete the 108 nm round Mauritius open sea swimming marathon.

Social media images posted Monday showed oil on the beaches near the Benita. Local medial outlet Lexpress posted video showing an oil boom deployment and cleaning crews at work. "Cleaning is in progress. Buoys have been placed to contain the oil," said a National

Coast Guard spokesman. *The Maritime Executive* [Read more and watch video](#)

June 21 - Fuel Lightering Begins on Grounded Bulker

On Monday, pumping equipment was airlifted aboard the grounded bulker Benita to facilitate lightering of her fuel to shoreside tank trucks. However, operations at the site near Le Bouchon, Mauritius were suspended for the day due to rough conditions.

Pumping resumed Tuesday, and 17 of the 125 tonnes of fuel aboard were removed, local media said. The operation is expected to be completed by the end of this week at the latest.

A local oil processing company will handle the bunkers shoreside, and the vessel's insurers will bear the cost of the fuel lightering. *The Maritime Executive* [Read more](#)

June 24 - Salvage Continues for Wrecked Cargo Ship in Mauritius

Salvors of the wrecked MV Benita in Mahebourg, Mauritius have reported progress with the salvage and environmental protection operation after the ship ran aground a week ago after an incident involving one of the ship's crew members.

Five Oceans Salvage reported Friday that the operation to remove the remaining fuel oil from the vessel's tanks continues to be a priority, with 80 of the 145 tonnes on board having been pumped into specialized one tonne containers for transfer to shore. At time of update 53 of the containers been transported to shore via helicopter. Five Oceans also reported no further oil sheens have been observed, however booms and other antipollution measures remain in place as a precaution. *gCaptain* [Read more](#)

USA: CALIFORNIA - OIL SPILL LEAVES 'GOOEY MESS'—AND A REMINDER OF BIG OIL'S DANGERS

June 23 - An oil spill has reportedly leaked thousands of gallons of crude from a pipeline into a canyon in Ventura County, California, fire officials said Thursday—in what environmentalists say is a reminder of the dangers of coastal fossil fuel operations.

Incident reports from around the world (continued)

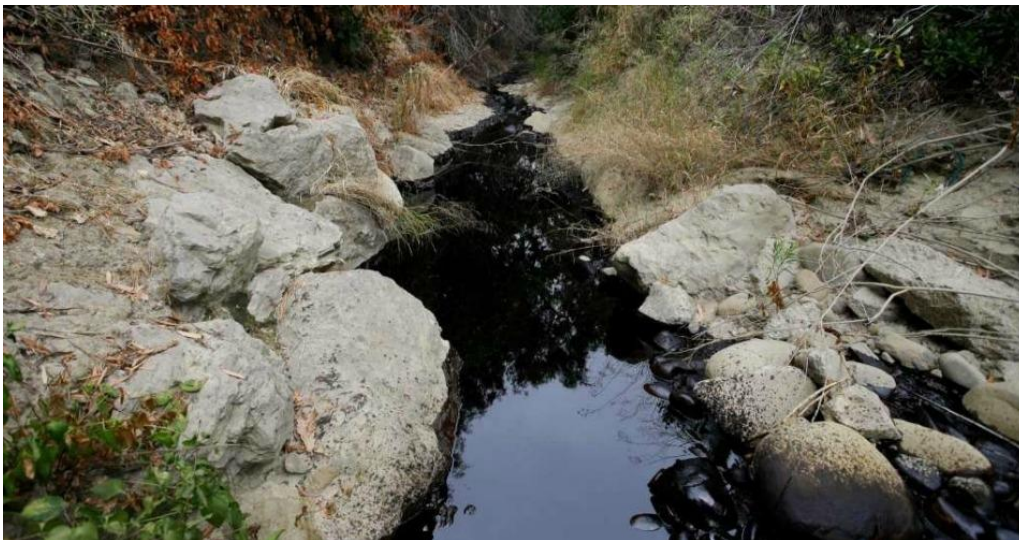


Photo: Oil spreads throughout Ventura County's Prince Barranca ravine. (Photo: AP)

The leak spilled at least 29,000 gallons, or 700 barrels, as emergency crews used hoses to suck up the "gooey mess" that was created when the oil formed a small lake in a gorge known as Prince Barranca, the Los Angeles Times reported.

The operating line has been shut down. The LA Times notes that it is the 10th time in 10 years that the pipeline company, Crimson Pipeline, has had its pipes break or fail.

CommonDreams.org
[Read more](#)

NEW ZEALAND: DIESEL SPILL ON LAKE PUPUKE EFFECTS WILDLIFE

Photo: Black swans lapping in the oil covered Lake Pupuke shore.

June 23 - Diesel that has seeped into Lake Pupuke behind North Shore Hospital is being attributed to heavy rain overwhelming stormwater filters.

A Waitemata District Health Board spokesman says initial investigations suggest the source of the spill is a diesel fuel storage tank used to power the hospital in the event of a power cut.

"It is not yet known how much diesel has seeped out but the volume is believed to be relatively small. The seepage has been fully contained and poses no further threat to the lake," he says. *Stuff.co.nz* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]



USA: CALIFORNIA - VENTURA OIL SPILL MISSES THE OCEAN, BUT DAMAGE ON LAND IS UNCLEAR



Photo: The spill was reported early Thursday morning, prompting firefighters and hazardous materials teams to launch a massive containment and cleanup operation in Ventura County. Photo by Capt. Mike Lindbergh/VCFD/Twitter

June 23 - Before the sun rose Thursday, Kirk Atwater's wakeup call was a noxious breeze that filled his bedroom with fumes.

He stepped out of his ranch that overlooks an arroyo in the Ventura hills and saw a creek of thick, black goo traveling through the canyon that was dry just the day before.

A pipeline valve had somehow opened and sent thousands of gallons of crude oil down into an arroyo that flows through the city of Ventura and reaches the ocean near the Ventura Pier. [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group] *Los Angeles Times* [Read more](#)

Incident reports from around the world (continued)

June 23 – 700 barrels of oil spilled from pipeline near Ventura, California

Firefighters and other emergency personnel were faced with a major environmental hazard in Southern California on Thursday after a pipeline broke and began leaking hundreds of barrels of crude oil, authorities said.

Initially, officials said as many as 5,000 barrels of crude may have spilled in the Ventura area -- located about 65 miles west of downtown Los Angeles. Later, though, that [estimate was reduced](#) to 700 barrels, which is equal to nearly 30,000 gallons. *UPI.com* [Read more](#)

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

AUSTRALIA: IMO ADOPTS NEW TRAFFIC SEPARATION SCHEMES OFF WESTERN AUSTRALIA'S COAST

June - On 1 December 2016 two new Traffic Separation Schemes (TSS) will come into effect off the south-west coast of Western Australia.

Australia's proposal to establish the schemes was approved by the International Maritime Organization's (IMO) Navigation, Communications and Search and Rescue Sub-Committee earlier this year and adopted by its Maritime Safety Committee in May.

A TSS is similar to a highway for cars. That is, it separates opposing streams of traffic by establishing traffic lanes and separation zones. The two schemes, off Cape Leeuwin and Chatham Island in the state's south-west, aim to increase navigational safety by reducing the number of head-on situations and improve environmental protection by keeping ships away from the coast line. *AMSA Aboard* [Read the whole text and other reports in the June 2016 issue of AMSA Aboard](#)

CANADA: VANCOUVER TAKES LEGAL ACTION TO BLOCK KINDER MORGAN PIPELINE PLAN

June 20 - The City of Vancouver said on Monday it had taken legal action against the Canadian energy regulator's approval of Kinder Morgan's Trans Mountain pipeline expansion, which would increase the number of oil tankers passing through city waters.

In a statement posted on the city's website, Mayor Gregor Robertson called the review by the National Energy Board (NEB) "flawed and biased" and said that it ignored scientific evidence on the consequences of a major oil spill and the impact of greenhouse gas emissions.

The city filed its application for judicial review at the Federal Court of Appeal in Vancouver on Friday. The suit aims to quash the NEB's recommendation in favour of Kinder Morgan's plan to nearly treble capacity on the pipeline, which carries crude from Alberta to a port in Metro Vancouver.

The regulator said last month that it had found the C\$6.8 billion (\$5.31 billion) project, which would boost capacity from 300,000 barrels per day to 890,000 bpd and the number of oil tankers in Vancouver waters nearly seven-fold, would not cause significant harm to the environment.

But critics, who say the project will hasten the development of Alberta's oil sands and worry about the impact of an oil spill on Canada's west coast, were quick to pledge action against the regulator's decision. *Rigzone* [Read more](#)

GUYANA: UNITED STATES AIDING CIVIL DEFENCE COMMISSION WITH OIL SPILL PLAN

June 18 - The Civil Defence Commission (CDC) will be meeting with US authorities to develop Standard Operating Procedures (SOPs) for oil spills as part of its preparedness and response effort in the event of a disaster, GINA said.

CDC Deputy Director General Kester Craig said CDC officials will meet with the US Southern Command on June 27 to focus on what is required to develop a national plan and Standard Operating Procedures on oil spills.

=Craig said that the CDC has been in discussion with oil companies such as Repsol and CGX reviewing their "comprehensive oil response plan".

Guyana has a national disaster risk reduction platform that works with stakeholders to develop national disaster risk reduction programmes. *Stabroek News* [Read more](#)

USA: HUDSON RIVER OIL SPILL WOULD BE DIFFICULT TO CLEAN UP

June 19 - The Hudson River may still become a major corridor for the shipment of thick, tar sands oil from Canada despite moves last year by New York officials that many thought stopped those efforts.

At issue is a key air permit needed by an oil terminal in Albany to transfer heavy crude from railcars to barges that would travel down the Hudson and past some of New Jersey's most densely populated communities on their way to refineries. Although oil spills by tankers have decreased in recent decades, environmentalists and some local officials say heavy crude represents a significant threat to the Hudson because it is extremely difficult, if not impossible, to fully clean up. *Daily Freeman News* [Read more](#)

USA & CANADA: ENBRIDGE INVESTS \$7M IN SAFETY EQUIPMENT FOR STRAITS



Picture: Placed atop a barge like vessel, a bucket skimmer is moved into place by a mechanical arm such as an excavator. (Photo: Enbridge Energy)

June 21 - Heightened scrutiny over the safety of its oil and liquid natural gas pipelines beneath the Straits of Mackinac has Enbridge Energy touting a new \$7 million investment in spill control and recovery equipment.

The Alberta-based energy company will station new high-tech equipment in the area that marks the boundary of Lake Michigan and Lake Huron as a precaution against a potential rupture in the 63-year-old twin lines known as Line 5. Despite decades in place, the lines are facing increased debate and opposition due, in part, to the 2010 rupture of

another Enbridge line near Kalamazoo. That line, Line 6B, eventually released 840,000 gallons of heavy crude oil into a creek, with much of it reaching the Kalamazoo River. With lessons in-hand from that experience, Enbridge is now touting its efforts to prepare for the possibility of another disaster.

At the heart of the company's efforts is the addition to two new types of booms — both designed to capture oil released into the open-water environment of the Great Lakes:

- High-speed skimmers: V-shaped floating booms can operate in heavier currents of open water and can be towed by boats.
- Bucket skimmers: Placed atop a barge like vessel, a bucket skimmer is moved into place by a mechanical arm such as an excavator. It allows recovery teams to work up against an ice edge, or in the midst of broken or pack ice.

"Obviously, the Straits of Mackinac is a very special area," said Stephen Lloyd, a senior manager of emergency response for Enbridge. *The Detroit News* [Read more](#) [Thanks to ISCO Committee Member, Marc K. Shaye, Hon.FISCO]

June 21 - Enbridge Getting Cleanup Equipment Just in Case of Oil Spill

A Canadian company that owns twin oil pipelines in the area where Lakes Huron and Michigan converge said Monday it will spend \$7 million over the next two years on additional equipment that could be deployed quickly in the event of a spill, while insisting prospects are remote that it ever will be needed there.

Enbridge Energy, based in Calgary, Alberta, said its purchases would include skimming and containment devices that would help crews recover oil quickly in open water and even during icy conditions in the Straits of Mackinac, a nearly 5-mile-wide waterway that separates Michigan's two peninsulas.

"In the very unlikely event that we have to respond to a pipeline incident, we're ready," said Stephen Lloyd, a senior manager of emergency response with the company.

Enbridge announced the equipment buys as it kicked off a three-day public relations tour in northern Michigan, to include "open-house" barbecues in six towns featuring presentations and exhibits designed to convince residents the pipeline known as "Line 5" has never leaked, is in good shape and poses no risk to the scenic area and its tourism-based economy.

Line 5, which carries nearly 23 million gallons of light crude oil and liquefied natural gas daily, runs underground across northern Wisconsin and the southern tier of Michigan's Upper Peninsula before dividing into two sections that extend across the bottom of the Straits of Mackinac, as deep as 270 feet. From there, it continues underground to refineries in Sarnia, Ontario. *ABC News* [Read More](#)

Other news reports from around the world (continued)

USA: COASTAL STATES STUDY OIL SPILL RESPONSES

June 22 - Washington and Oregon environmental regulators said Tuesday that regional coordination and planning exercises such as drills aided in their response to the fiery train derailment along the Columbia River earlier this month.

The Northwest officials briefed their counterparts from other states on the June 3 train accident in Mosier, at the annual meeting of the Pacific States/British Columbia Oil Spill Task Force in Seattle.

The task force — consisting of members from British Columbia, Alaska, Washington, Oregon, California and Hawaii — collects and shares data on oil spills, works together on oil spill prevention projects and promotes regulatory safeguards.

They were in Seattle to share knowledge and update each other on their spill response programs and other projects.

Dale Jensen, Washington's Ecology spills program manager, says the Oregon derailment is a reminder of how vulnerable the region is to oil spills and underscores the need for states and federal agencies to continue to work together to improve spill prevention and response.

In British Columbia, regulators said they have effectively used drones to assess the extent of a tanker truck crash that spilled diesel fuel near Mount Robson National Park. Wes Shoemaker, Deputy Minister of British Columbia Ministry of Environment, said drones can be an effective tool to assess downstream effects of a spill. *The Register-Guard* [Read more](#)

USA: PRESIDENT OBAMA SIGNS BILL WITH GREAT LAKES PIPELINE PROTECTIONS

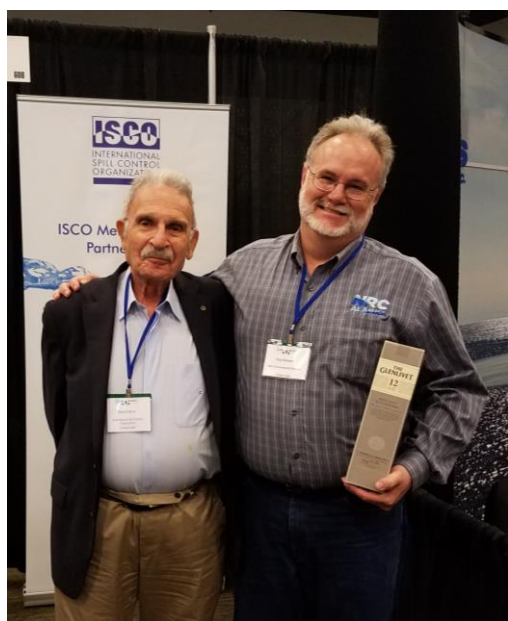
June 22 - As expected, President Barack Obama signed into law on Wednesday a pipeline safety reauthorization bill that includes higher standards for pipelines in and around the Great Lakes and will require detailed plans for responding to potential oil spills under heavy ice cover.

Several of the measures included in the new bill were pushed by Michigan's members of Congress specifically to deal with concerns about potential pipeline ruptures around the Great Lakes and the threat environmentalists believe is posed by Enbridge's Line 5 at the bottom of the Straits of Mackinac.

[The U.S. Senate gave final passage to the legislation early last week](#) after the bill came back to that chamber with changes made by the U.S. House. The House Energy and Commerce Committee, along with the Transportation and Infrastructure Committee, moved the bill with bipartisan support. *Detroit Free Press* [Read more](#) [Thanks to ISCO Committee Member, Marc K. Shaye, Hon.FISCO]

ISCO News

ISCO AT CLEAN PACIFIC IN SEATTLE



In the picture – ISCO President, David Usher (on left) and W. Paul Nielsen III, Director of Sales & Marketing for NRC Alaska (on right) who won a bottle of fine Glenlivet Scotch Whisky in the traditional draw at the ISCO booth.

ISCO President David Usher and Membership Director Mary Ann Dagleish were at Clean Pacific in Seattle last week.

David and Mary Ann were pleased to meet up again with so many old friends. "It was great to have the opportunity to catch up with members and for the first time meet new members who have recently joined the organization".

With new developments under way, including the work of the joint ISCO-BIMCO Working Group on creating a new standard international contract to speed up emergency response, there was plenty to speak about.

A lot of attention was given to rail transport of oil – recent spill events, need for risk reduction and improvements in response preparedness.

David expressed his satisfaction with a very successful event. "There was a good mix of government and private sector attendees. As always, it was great to see so many old friends and make new ones. There was a high level of interest in ISCO's work and I was pleased to be able to answer many questions".

The next major event in the US will be Clean Gulf, taking place in Tampa, Florida on 1-3 November 2016.

NEW STAFF APPOINTMENTS AT ITOPF



June 21 - ITOPF welcomed two new staff members earlier this month. Jo Woodward joins as PA to the Managing Director and Technical Director. Jo has worked extensively as a Board level PA and has spent a large part of her career working for large hotel and retail organisations. She has supported a range of Directors and has experience in operations, finance, legal and HR. She will be responsible for enabling Karen and Richard to focus more on the strategic activities of ITOPF.

We also welcomed Lucy Stocka who joins us as HR & Pensions Administrator to cover for Claire Keogh when she goes on maternity leave later this month. Lucy holds a master's degree in politics and social science and is CIPD qualified HR Practitioner. Her role is to provide administrative support to ITOPF's staff and the management team in the areas of HR, the pension scheme, health & safety and insurances. <http://www.itopf.com>

Special feature

SHORELINE CLEAN-UP – PART 24

A series of articles contributed by Mark Francis of Oil Spill Solutions



Mark Francis has been involved with the oil industry since 1975. He attended his first oil spill in 1976, the Tanker Elaine V incident. He became head of response for inland spills within the UK for British Petroleum E & P in 1980 for 10 years responding to well, storage tank and pipeline spills throughout the UK. Over the next 25 years he continued to build his international operations experience and has also specialised in spill response training, delivering IMO and other courses in more than 20 countries.

Shoreline Clean-up (Continued)

Beach cleaning machines



These machines come in various sizes and can be very effective for the removal of tar balls especially on long stretches of beach.

Some types of beach cleaning machines take a “cut” of the beach surface and take this up on a moving conveyor screen.

Generally the systems work with revolving or agitating steel screens with differing hole diameters. When the sand and tar balls are picked up the clean sand is returned by gravity to the beach and the tar balls and any other rubbish are held inside.

When full it is towed to an area where it is emptied and contents are separated before final disposal.

Special feature (continued)



Now let's look at a beach cleaning option used during the Deepwater Horizon spill. Instead of using the machines which collect the tar balls and debris, sift the sand and replace it where it was we remove the sand with a few tar balls but wash it before replacing it, not always in the same place.

Intensive washing of sand removes any life (yes it is clean but it is also dead) and may suffocate life on the shoreline which it covers. This may take longer to recover.

Reworking sediment

Sometimes we have the opportunity to transport the sediment to a surf zone of the beach, so that with the rise of the tide, together with force of the breaking waves, a natural washing of the sediments takes place.

This technique is more appropriate for sand with a larger grain size or gravel that is lightly contaminated.

This technique also results in greater aeration of the sediment, besides mixing the sediment with the subsurface.

This movement of sediment is generally done with tractors and causes the compaction of the sediment, and the possibility of burying some organisms.

This movement of contaminated sediments can result in oil films on the water. This reworking can expose some organisms and have an adverse influence on their survival.



To be continued in next week's newsletter

Correspondence

FROM JOHN BRINKMAN – FURTHER COMMENT ON THE SORBENTS DEBATE

"Regarding the "swelling" component discussed in our ISCO correspondence I thought you might appreciate the graphic within the linked video attached?

It illustrates in no uncertain terms what we are talking about with respect to "swelling" - <http://youtu.be/y0f3YXPQ2Iq>

The demonstration liquid in the video is mineral spirits representing the aliphatic family of organic liquids, such as diesel fuel and jet fuel. Aromatic solvents such as BTEX et al the swelling is even more dramatic as is the volume capacity and speed of imbibition/absorption. Other examples are located alongside the you-tube site". John S. Brinkman, President www.imbiberbeads.com

Publications

USA: LOCAL EMERGENCY MANAGEMENT PROGRAM ASSESSMENT TOOL AND COMPANION GUIDE

June 19 - Local emergency managers who are worth a hoot often think about how their program matches up against other similar programs around the nation. While you might have a "gut assessment" there is nothing like having a tool to measure your program against a standard or checklist. See the link below for just such a tool, "Local Emergency Management Program Assessment Tool and Companion Guide."

The person who did the project work to put this together was Diane Newman. Diane was my deputy at King County Emergency Management and then also the deputy at Seattle's Office of Emergency Management. Two words that I'd use to describe Diane are "practical" and "common-sense." Thus, what she put together in the form of the checklist is not some pie-in-the-sky document from an entity with no local emergency management practical experience. Emergency Management [Read more](http://mil.wa.gov/uploads/pdf/PLANS/LocalEmergencyManagementAssessmentTool%20pdf.pdf)
<http://mil.wa.gov/uploads/pdf/PLANS/LocalEmergencyManagementAssessmentTool%20pdf.pdf>

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

AMSA Aboard	News from the Australian Maritime Safety Authority	June 2016
AMSA On Scene	Australia: National Plan for Marine Environmental Emergencies	March 2016
ASME EED EHS Newsletter	News and commentary on HSE issues from George Holliday	Most recent issue
Bow Wave	Sam Ignarski's Ezine on Marine & Transport Matters	Current issue
Cedre Newsletter	News from Cedre in Brittany, France	April 2016
Celtic and Biogenie enGlobe Newsletter	Technical Information on Polluted Site Remediation	Spring 2016
CROIERG Enews	Canberra & Regions Oil Industry Emergency Response Group	Current issue
EMSA Newsletter	News from the European Maritime Safety Agency	June 2016 issue
Environmental Technology Online	Environmental Monitoring, Testing & Analysis	June 2016 issue
IMO News Magazine	News from the International Maritime Organization	No 1, 2016
IMO Publishing News	New and forthcoming IMO publications	June 2016
Intertanko Weekly News	International news for the oil tanker community	No 26, 2016
IPIECA eNews	Int'l Petroleum Industry Environmental Conservation Assoc'n	February 12 issue
JOIFF "The Catalyst"	Int'l Organisation for Industrial Hazard Management	January 2016 issue
MOIG Newsletter	News from the Mediterranean Oil Industry Group	Quarter 1, 2016 issue
NOWPAP Quarterly	News from the North West Pacific Action Plan	Quarter 1, 2016 issue
OCIMF Newsletter	News from the Oil Companies International Marine Forum	May 2016 issue
Pollution Online Newsletter	News for prevention & control professionals	June 15, 2016 issue
Sea Alarm Foundation Newsletter	Oiled wildlife Preparedness and Response news from Sea Alarm	Autumn 2015 issue
Technology Innovation News Survey	News from US EPA – Contaminated site decontamination	May 1-15, 2016
The Essential Hazmat News	Alliance of Hazardous Materials Professionals	Feb 29, 2016 issue
Transport Canada Newsletter	News and articles re transport of dangerous goods in Canada	Winter 2014 issue
USA EPA Tech Direct	Remediation of contaminated soil and groundwater	June 1, 2016
USA EPA Tech News & Trends	Contaminated site clean-up information	Spring 2016 issue
WMU Newsletter	News from the World Maritime University	March 2016 issue

Your editor depends on regular receipt of updated links for listed publications. If these are not received, relevant entries may be discontinued.

Events

SINGAPORE: INTERNATIONAL SAFETY AT SEA CONFERENCE – 30-31 AUGUST, 2016

Organised by the Maritime and Port Authority of Singapore, the International Safety@Sea Conference, which will be held from 30 August to 1 September 2016, is a platform for industry practitioners across different sectors of the maritime industry to share best safety practices at sea. This initiative is part of the Safety@Sea Week, which aims to enhance safety in Singapore port waters by raising safety awareness and instilling a safety-first culture. Safety@Sea Week 2016 runs from 29 August to 2 September.

[More info](#)

UK: 7th MARITIME SALVAGE & CASUALTY RESPONSE – 7-8 SEPTEMBER, 2016

"Responding to the increasing Salvage & Wreck Removal engineering challenges of today"

The increasing pressure to deliver ever more complex engineered solutions + Technical risk assessment process and the commercial considerations + Assessing, designing, implementing and learning simultaneously on the job + Looking at some of the solutions that were used, and those that were not! [More info](#)

SINGAPORE: SALVAGE & WRECK ASIA – 13-15 SEPTEMBER, 2016

Gain insight into salvor survival strategies, the future of LOF and obtaining places of refuge.

[More info](#)

Events (continued)

UK SPILL: FREE SPILL SCIENCE SEMINAR AT OSRL, SOUTHAMPTON, 18 OCTOBER 2016

UKSpill is holding a new seminar about the Spill Science in new Technology and Impacts on Oil Spills, following its involvement in EU funded projects KillSpill and Netmar. The seminar is hosted by OSRL at Southampton, and attendance is free, numbers are limited, book by emailing info@ukspill.org Full details of the seminar will be posted on the website and sent to members shortly.

Key speakers will be Professor Kalogerakis, KillSpill Leader, Professor Joao Sousa, Netmar Leader, Professor Russell Wynn from the National Oceanography Centre, and Professor Tom Hutchison from Plymouth University.

UPCOMING EVENTS SUMMARY

COUNTRY	2016	TITLE OF EVENT	LOCATION
For more information click on Title of Event			
Panama	June 27	EcoCanal 2016, NRT-ACP Drill	Panama
FRANCE	July 11-12	MARPOCS Project Meeting	Brest
LIBERIA	August 1-4	W'shop on Conting'y Planning & Sensitivity Mapping	Monrovia
NIGERIA	August 2-3	National Workshop on Oil Spill Modelling	Abuja
INDIA	August 11-12	Oil Spill India	Mumbai
SINGAPORE	August 30-31	International Safety at Sea Conference	Singapore
UK	September 7-8	7th Maritime Salvage & Casualty Response	London
INDIA	Sept. 12-14	International Rivers Symposium	New Delhi
SINGAPORE	Sept 12-14	Salvage and Wreck Asia	Singapore
NORWAY	Sept 12-16	International NOSCA Oil Spill Technology Seminar	Bodo
SINGAPORE	Sept. 13-15	Salvage & Wreck Asia Conference	Singapore
INDIA	Sept. 22-24	India Clean Seas Conference 2016	Goa
FRANCE	October 10-14	Sea Tech Event 2016	Brest
UK	October 12-13	The Contamination Expo Series 2016	London
UAE	October TBA	EI Middle East HSE Technical Forum	Abu Dhabi
UK	October 18	UK Spill – Spill Science Seminar	Southampton
USA	November 1-3	Clean Gulf 2016	Tampa FL
USA	November 1-4	Emergency Preparedness, Hazmat Response Conf.	Pittsburgh
MALTA	November 2-3	JOIFF Fire & Explosion Hazard Mgmt. Conference	St. Julians
UAE	November 7-10	Abu Dhabi Int'l Petroleum Exhibition & Conference	Abu Dhabi
	2017		
USA	May 15-18	International Oil Spill Conference	Long Beach CA
To request posting of an event of interest to the Spill Response Community please send details to the Editor			

Training

UK: EI PROCESS SAFETY TRAINING – HAZARDOUS AREA CLASSIFICATION – 8-10 NOVEMBER

This 3-day training course will teach delegates how to identify areas where flammable zones can arise and how to subsequently control these ignition sources. Core content: -

- Introduction to legislation and standards
- Properties of flammable materials
- Key area classification concepts
- Techniques of area classification
- Ventilation
- Impact of external variables to area classification

[More info](#)

UK: OSRL - SHORELINE CLEAN-UP ASSESSMENT TECHNIQUE (SCAT) – 13-15 SEPTEMBER

Due to popular demand we have scheduled dates for this course. A very well-established response technique, SCAT has been successfully used in many major spills. The course is not just theory, it includes extensive field surveys and practical sessions. Southampton, UK. 13-15 September. More Info - Oil Spill Response Limited stevewoods@oilspillresponse.gov-c.com

Training (continued)

FRANCE: REAL OIL BEACHMASTER – BREST, 20-22 SEPTEMBER

Experience working with real oil on a beach at CEDRE's state-of-the-art facility.

Brest, France. 20-22 September. More Info - Oil Spill Response Limited stevewoods@oilspillresponse.qv-c.com

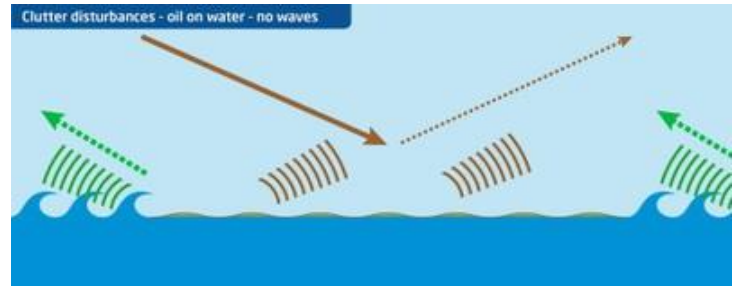
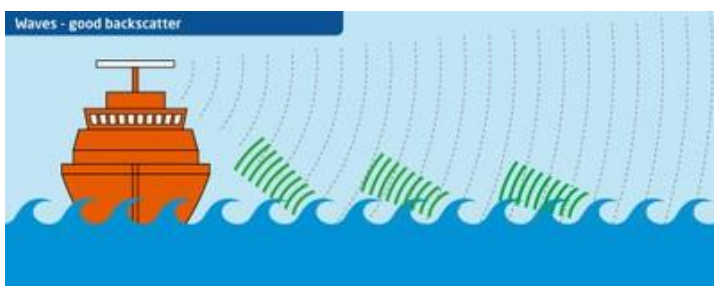
ENVIRONMENTAL RADAR TRAINING - BASIC BACKGROUND ON RADAR

The following received from ISCO Member, Nortek BV. - Oil spill detection – how does it work?

Oil is lighter than water, which is why it floats. Oil also spreads out a lot on water – just a few litres of oil can spread over an area of water the size of a football pitch. The reason for this is that the surface tension of oil is low, so its molecules have a relatively low attraction to each other.

The sea surface has small waves on it, known as capillary waves. These are the very short and brief waves that you see on the water when there is a light breeze, or when you throw in a stone. A radar signal reflects well from these small waves. This is because the wavelength of the radar signal is similar to that of these capillary waves.

Capillary waves will usually be present on water where there is no oil. But, where the surface is covered with oil, there will be no capillary waves, because the surface tension of oil is so much lower.



So, to cut a long story short, a water surface covered with oil will not return a radar signal. On a radar screen, the water surface with no oil on it shows up as green, while parts covered with oil show up as black. [More info](#)

Company news

ISCO MEMBER, DESMI ACTIVE IN REMOVING PLASTIC FROM THE OCEAN



In the picture: Neelie Kroes, StartupDelta (former EU commissioner), Boyan Slat, Founder of The Ocean Cleanup, and Henrik Sørensen, Group CEO at DESMI

The Ocean Cleanup, based in the Netherlands, has launched a containment boom to be tested in the North Sea. The boom, which is 100 m long, is designed, produced and delivered by DESMI. DESMI is proud to be part of this project that supports the values, which DESMI considers important. DESMI has a history going back more than 180 years and for more than 30 years DESMI has delivered equipment for spill collection.

“Plastic in the world oceans is a serious problem and we want to be involved in initiatives that can remove this plastic from the ocean in the future. It is our future and the future of our children and grandchildren that we need to think about”, says Henrik Sørensen, CEO of the DESMI group. Globally DESMI is involved in several projects within spill collection over the years. Whether it is about spill collection at sea or in rivers, DESMI is an active player.

Henrik Sørensen, CEO of the DESMI group and Henrik Knudsen, CEO of DESMI Ro-Clean A/S took part in the launch of the boom in the Netherlands today and the fight against plastic in the oceans has begun. During the launch, Henrik Sørensen gave a speech and talked about how a young and entrepreneurial organization like The Ocean Cleanup and an experienced organization like DESMI is a good match. The right attention has been given to the project - cleaning oceans of plastic, and Henrik Sørensen concluded “This is a good cocktail. Cleaner oceans, better environment, and two fantastic companies joining forces – I am sure that this will be a huge success for humans, animals, and our global environment”. <http://www.desmi.com/pumps.aspx>

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