



ISCO NEWSLETTER

The Newsletter of the International Spill Response Community
Issue 346, 6 August 2012

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News

BALTIC REGION: FINLAND TO HOST THIS YEAR'S BALTIC SEA REGION OIL RESPONSE EXERCISE



Oil response vessel Halli in 2007. Balex Delta -exercise in Estonia. Photo: Jouko Pirttijärvi

This year's Balex Delta oil spill response exercise, which is held annually under the Convention on the Protection of the Marine Environment of the Baltic Sea Area (HELCOM), will be arranged in the coastal area of Helsinki, Finland.

Participants in the exercise coordinated by the Finnish Environment Institute SYKE will include vessels and crews from all Baltic Sea states and European Maritime Safety Agency (EMSA).

The exercise is designed to test the cooperation within and among national and international oil spill response organisations and vessels in the Gulf of Finland. All aspects of the oil spill response operations will be tested during the two-day exercise, from alarm procedures to the disposal of recovered waste. This year the exercise also includes the joint procedures with EU Commission's Humanitarian Aid and Civil Protection Unit, especially to test different support mechanisms offered by EU.

Finnish authorities and voluntary troops will conduct their oil response exercise on Tuesday 28 August, and the international exercise will begin on Wednesday morning 29 August once the large oil spill response vessels have arrived from the participating countries. [Read more](#)

EAST AFRICA: INDIAN OCEAN COUNTRIES ON TRACK TO PREVENT POLLUTION

July 31 - TANZANIA and other member states of the Western Indian Ocean (WIO) region have shown foresight in preventing major pollution incidents by finalising national reports.

The Surface and Marine Transport Regulatory Authority (SUMATRA) Acting Director General, Eng Eliona Simbo, said during the opening of WIO Maritime Highway Development and Coastal and Contamination Prevention project that the meeting aims at setting the economic valuation criteria.

"It is clear that this region is at risk of experiencing major pollution incidents from various sources including oil spills from ships and oil and gas exploration and extraction activities currently going on in the countries of the region," he said. Eng Simbo said that the concept of total economic value was generally recognised as the most suitable framework for the economic valuation of ecosystem services or of the impacts projects which changes the flow in quantity or quality of ecosystem services.

He said that it is appropriate to highlight suitable methodology for the region before proceeding to the economic valuation of ecosystem services or to estimating the economic impacts of incidents such as oil spills on the provision of these services.

"There is a great need to develop at regional level a common method for ecosystem valuation, as no economic values are consistently given to resources that are damaged during development projects or accidents," he said. Eng Simbo said that a common methodology would be used in the WIO region particularly by the nine participating countries in evaluating the impacts of such damage.

The participating countries include Comoros, Kenya, Madagascar, Mauritius, Mozambique, Seychelles, South Africa and Tanzania though South Africa, Mozambique and Seychelles are not present in the meeting currently taking place in Dar es Salaam. The WIO Maritime Highway Project is intended to produce a number of outputs including a common methodology for economic valuation of ecosystem for the region. *Tanzania Daily News* [Read more](#)

MEDITERRANEAN REGION: NEW VESSEL REINFORCES OIL SPILL RESPONSE IN WESTERN MED



EMSA's network of stand-by oil spill response vessels now includes the [Monte Anaga](#). Built in 2010, this tanker boasts a recovered oil storage capacity of 4 096 m.

The vessel belongs to the Spanish shipping company Naviera Altube and is based in Algeciras, Spain. This is a particularly sensitive area given its proximity to major transport routes transiting the Gibraltar Strait. The Monte Anaga, which is engaged in bunkering services, will enhance EMSA's oil spill response coverage in the Western Mediterranean Sea.

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EMSA Newsletter [Read more](#)

An oil recovery vessel with above average storage capacity

EUROPE: DEBATE GROWS ON EXPANDING MARES REGIONAL SERVER

At the tenth Mediterranean AIS expert working group on 26 June discussion centered on MARES, the Mediterranean AIS Regional Server, hosted by the Italian Coast Guard in Rome.

Since December 2008, MARES has contributed significantly to [SafeSeaNet](#), the EU's vessel traffic monitoring and information system. Users of the server – Cyprus, France, Greece, Italy, Malta, Portugal, Slovenia, Spain, Bulgaria and Romania – provide AIS information for their coastline to MARES which stores and forwards it to the central SafeSeaNet system operated by EMSA.

Currently discussions are focused on how MARES role can be extended to include the provision of data and services at regional level. The possible



News (continued)

areas covered under this new role are fisheries monitoring and vigilance, illegal immigration, and safeguarding and protecting the marine environment. The Italian Coast Guard's General Commandant Vice Admiral Pierluigi Cacioppo has praised EMSA's involvement in the project and believes the capabilities of MARES can be further enhanced. He underlined the Italian Coast Guard's commitment to the development of MARES following "a clear roadmap and political governance" *EMSA Newsletter* [Read more](#)

TIMOR SEA: 2009 OIL SPILL 'JUST AS DEVASTATING AS GULF OF MEXICO'

July 22 - A prominent US expert in oil spill recovery said in Kupang on Saturday that Indonesia needs to craft a program to deal with the lingering and largely over-looked effects of the 2009 Montara oil spill in the Timor Sea.

Dr. Robert Spies, who was the Chief Scientist for the Exxon Valdez Oil Spill Trustee Council, and who served as an adviser to US government after the BP Deepwater Horizon disaster in 2010, said the Timor Sea can still be restored, but only with "serious attempts" made by the Indonesian and Australian governments in coordination with the company who operated the Montara platform.

Serious attempts would include substantial money, much of which should come from Thai state-owned oil and gas company PTT Exploration and Production, Montara's primary operator. Spies said he's recently studied the impact of the Montara spill in the Timor sea, especially in Indonesian waters. He said the pollution caused by the Montara leak was just as severe as the Gulf of Mexico spill. *Jakarta Globe* [Read more](#)

ARCTIC: SHELL SCALES BACK ALASKA DRILLING PLANS

Update on the report in last week's Newsletter

August 2 - This week Shell began installing anchors at the site of its planned wells in the Chukchi Sea – a big step in moving their Arctic drilling plans forward. Despite this latest preparation, the oil giant has been forced to scale back their ambitious Arctic exploration plans due to delays in the construction of a required emergency spill containment vessel and last minute problems with air pollution permits. The company says these setbacks will allow for just two of the ten wells planned for the Beaufort and Chukchi seas to be completed this year.

Regulations require Shell to discontinue drilling operations in hydrocarbon-bearing zones by October 31st in the Beaufort Sea and by September 24 in neighboring Chukchi Sea. In addition the company will have to halt operations to allow native Alaskans time to hunt the bowhead whales that migrate through the area. A late ice season has also thwarted the plans to begin drilling operations in early July – a step that has now been pushed back to late August. *The Maritime Executive* [Read more](#)

CANADA: B.C. PREMIER WANTS NORWAY OIL SAFETY, BUT SOME SAY PIPELINES DON'T COMPARE

July 26 - Calgary-based Enbridge (TSX:ENB) has offered improvements to its Northern Gateway pipeline to boost safety beyond "state-of-the-art," but British Columbia Premier Christy Clark is looking at a standard much further afield.

Clark said that Norway, one of the world's largest exporters of crude oil, is a model for rigorous safety standards and is perceived to have among the highest spill management capacities in the world.

"We're looking to those models and saying, 'They've minimized the risk, they've figured out how to do this, maybe we can do the same,'" Clark said earlier this week.

According to Norway's independent regulatory body, the Petroleum Safety Authority, safety standards are authored and strictly enforced by oil companies, unions and the government. *The Tyee* [Read more](#)

PERU: MORE THAN 100 SICKENED IN PERU TOXIC MINING SPILL

August 3 - More than 100 rural Peruvians have been sickened by the spill of a toxic copper concentrate produced at one of the Andean country's biggest mines, authorities said Friday. The Ancash state regional health office said 140 people were treated for "irritative symptoms caused by the inhalation of toxins" after a pipeline carrying the concentrate under high pressure burst open in their community.

Most of the injured had joined in efforts to prevent liquid copper slurry from reaching a nearby river after the pipeline linking the Antamina copper mine to the coast ruptured last week in the village of Santa Rosa de Cajacay, said the community's president, Hilario Moran. *Newsday* [Read more](#)

USA: NITRIC ACID SPILL CAUSES NEIGHBORHOOD EVACUATION IN LACONIA



July 26 - Firefighters in [Laconia](#) were busy Tuesday trying to secure a local neighborhood after an electronics company reported a nitric-acid spill, according to [The Boston Globe](#).

The spill happened at ABC Fabricators just after 5 a.m. when a tank heating the acid became too hot and caused 275 gallons to spill inside the business. No one was inside at the time, but several streets were evacuated as a precaution.

According to the Fire Chief the tank "had a pressure valve on it that relieved some of the pressure, but the fumes tripped the fire alarm."

Due to the strong fumes firefighters went house to house to warn residents. The concern was that the acid could react with the wood structure and cause a fire that could affect the air in the neighborhood. [Examiner.com](#) [Read more](#) [Thanks to Don Johnson of ISCO Industry Partner, DG & Hazmat Group]

USA: SECTION OF MAJOR FUEL PIPELINE FROM CHICAGO TO GREEN BAY SHUTDOWN AFTER LEAK

July 19 - A section of a major fuel pipeline between Chicago and Green Bay has been shut down after a significant gasoline leak.

[Buckeye Partners](#) says it closed a 10-mile section of the West Shore pipeline when its equipment indicated a change in pressure about 10 miles northwest of Milwaukee, [WBAY-TV](#) reported.

The leak was reportedly detected just before noon on Tuesday. [Examiner.com](#) [Read more](#) [Thanks to Don Johnson of ISCO Industry Partner, DG & Hazmat Group]

BANGLADESH: SUNKEN TANKER SPILLING OIL IN MEGHNA

July 27 - Officials were alarmed on Friday as a sunken tanker continued to spill oil in the Maghna river. The Jamuna Oil Company (JOCL) tanker, MT Meherjan, carrying 700,000 litres of petrol and diesel had sunk in mid-river after a collision with a cargo vessel, Fazlul Haq-3, Wednesday night at Mehendigani Upazila. [Financial Express](#) [Read more](#) [Thanks to Don Johnson of ISCO Industry Partner, DG & Hazmat Group]

UK: WORLD WAR II NORTH SEA MINE OPERATION STARTS

The mine was first discovered in the North Sea back in 1993

August 2 - An operation to remove an unexploded World War II mine at a pipeline in the North Sea is under way.

The mine was discovered in 1993, at the Far North Liquids and Associated Gas System (Flags) pipeline, about 62 miles off Aberdeen.

Shell said an operation was under way, after risk assessments and approval.

Shell said: "Our priority is working to ensure a safe outcome, and we will provide more information once we have completed the operation." [BBC News](#) [Read more](#)



USA & CANADA: LAKE HURON – SUCCESS AT MIDNIGHT

Follow up to the report in ISCO Newsletter 344 - Photo received from Jeff Taylor of ISCO Corporate Member, Marine Pollution Control Corp.



Salvage master John Wellington surveying the dredge Arthur J, refloated on Lake Huron July 29.

The salvage operation to recover the dredge barge Arthur J has been successfully completed. ISCO Corporate Member, Marine Pollution Control Corp. has remained on site providing pollution response since the barge sank July 19. [Marine Pollution Control](#)

INDIA: OIL SPILLS SNUFFING OUT MANGROVES

August 2 - It's not just the August 2010 oil spill, but also recurring spills that have resulted in the death and absence of regeneration of mangroves. A report, 'Study on the impact of oil spill on the mangroves of Mumbai and Raigad coast', prepared by the Bombay Natural History Society (BNHS) states that the presence of oil in the soil is preventing mangrove seeds from germinating. The report was submitted to the Ministry of Environment and Forests in June.

According to the report, five of the eight locations severely affected owing to the massive oil spill include Colaba, Sewri, Gharapuri, Uran and Vashi (see box).

"The seedling survival and growth results obtained within (all) these sites depict that survival of germinating propagules (buds) that was a critical stage in the life cycle of mangrove species was affected by oil spills... However, repetitive incidences of oil flushes have caused incidental mortality in seedlings," read the report.

The report also states: "Repetitive oil spills directly hamper the recruitment of seedlings, which may endanger the entire mangrove population on affected coasts." *Hindustan Times* [Read more](#)

USA: ENBRIDGE OIL SPILL CLEANUP CONTINUES



Enbridge crews work around an excavated area Monday that contained a 24-inch section of pipe that leaked about 50,400 gallons of light crude oil into the surrounding fields Friday. / Courtesy Wisconsin Department of Natural Resources

August 2 - Enbridge employees and contractors continued working to clean up an oil spill and repairing a pipeline Wednesday about 10 miles southeast of the city of Adams.

At about 3:30 p.m. Friday, the pipeline, which runs from Superior to Griffith, Ind., began to leak, spraying oil into the air. Before it was stopped, the line leaked about 1,200 barrels, or 50,400 gallons, of oil into the surrounding New Chester pasture land field, and two homes were temporarily evacuated. Officials have said

they don't know what effect, if any, the spill will have on groundwater.

The repair of the 24-inch pipe was about 50 percent complete as of Wednesday morning, said Jennifer Smith, Enbridge public affairs adviser. The company also submitted its plan for restarting the line to the U.S. Pipeline and Hazardous Materials Safety Administration.

On Tuesday, the federal agency issued a statement that it was blocking Enbridge from resuming operations of the pipeline until it submitted the required plan. Federal officials were critical of the company, stating Enbridge would need to demonstrate why it should be allowed to continue to operate the Wisconsin pipeline. *Central Wisconsin Hub* [Read more](#)

USA: STUDY – OIL SPILL DISPERSANTS MAY HAVE HURT GULF FOOD CHAIN

August 1 - A study on possible effects of the 2010 BP oil spill indicates dispersants may have killed plankton — some of the ocean's tiniest plants and creatures — and disrupted the food chain in the Gulf of Mexico, one of the nation's richest seafood grounds. Scientists who read the study said it points toward major future effects of the spill. One called its findings scary.

For the study, Alabama researchers pumped water from Mobile Bay into 53-gallon drums, then added oil, dispersant or both in proportions found during the oil spill to simulate the spill's effects on microscopic water-life in the bay.

Over more than 12 weeks in 2010, BP's well spewed nearly 200 million gallons of oil into the Gulf of Mexico. The company used more than 1.8 million gallons of dispersants — more than 770,000 gallons of it at the oil's source on the ocean floor — to break up the oil into tiny droplets. Earlier research hadn't found significant problems for the environment and marine life, but dispersants had never before been used a mile underwater or in such large amounts.

The researchers found that, within days, the numbers of plant-like phytoplankton and ciliates — plankton that use hairlike cilia to move — increased under an oil slick. But they dropped significantly in the drums with dispersant or dispersed oil, while the numbers of bacteria increased. The study was published Tuesday in PLoS ONE, one of the peer-reviewed journals in the online Public Library of Science. *Insurance Journal* [Read more](#)

INDIA: EXXON VALDEZ ALLOWED ENTRY INTO INDIA SHIPBREAKING YARD

July 30 - A two-judge team headed by Altamas Kabir said the Oriental Nicety, formerly known as the Exxon Valdez, may enter the yard in Alang, on India's western coast, following a May decision by the Gujarat Pollution Control Board that denied the ship entry. The judges said the ship's owner or its agent will be responsible for disposing any toxic material found in the ship. *Bloomberg* [Read more](#)

STAFF CHANGES AT MARITIME NEW ZEALAND



In the picture: Paul Buisson, Senior Environmental Analyst

As some of you may know, Marine Pollution Response Service (MPRS) Manager Andrew Berry left MNZ in May, after around 18 months in the role. The team at MPRS now reports to Maritime Security and Incident Response Group Manager Renny van der Velde.

Many of you will know Renny through the work he does in coordinating MNZ's Maritime Incident Response Team (the MIRT).

Renny played a key role within the MIRT during the **Rena** response and has been working closely with the team at MPRS over the past month. *The Good Oil* [Read more](#)

NEW TECHNICAL TRAINING MANAGER AT OIL SPILL RESPONSE LTD

Sharon Burton, who was Technical Advisor at the Oil Spill Response Ltd. office in Aberdeen, has been promoted to the position of Technical Training Manager.

As a spill response specialist she has responded to spills in the UK, USA and Africa, participated in exercises and drills for a wide variety of clients, completed a secondment to MPRS at Maritime New Zealand and have arranged and conducted internal training programmes.

She has delivered and developed a wide range of courses on a range of oil spill related topics, at levels from operator to senior manager. I have written OPITO approved competency standards for external courses, and am an OPITO approved assessor and verifier. As the Principal Trainer, she was responsible for the management and mentoring of the Training Team. [Read more](#)



ITOPF APPOINTS CHINA LIAISON OFFICER



ITOPF has appointed Rose Ying as China Liaison Officer to promote ITOPF's presence and to develop working relations in China.

Rose is based in Shanghai and her role involves extending and strengthening ITOPF's network of contacts within government and industry, and organising meetings, seminars and training courses related to ITOPF's work.

Rose has eight years experience of liaising and promoting the work of foreign companies in China while employed at the commercial departments of the British, Australian and Swedish consulates in Shanghai. Her previous position was project manager for the China-Britain Business Council.

ITOPF News & Events [Read more](#)

ISCO News

INTERNATIONAL RESPONSE RESOURCE INVENTORY

Are you a response contractor, equipment manufacturer or spill response expert ?

If you would like to be kept up-to-speed on this IMO OPRC-HNS Technical Group initiative please advise ISCO the Secretary john.mcmurtrie@spillcontrol.org

ISCO is supporting this project introduced by the delegation of the US and has formed a group amongst its Corporate Members to monitor progress and help ensure that the international spill response community has an input into this important new development that is intended to improve resource availability during major spill or HNS events.

For more information, log into the ISCO website and go to the ISCO – "What's New" page.

2012 ANNUAL ONSHORE OIL SPILL RESPONSE EXERCISE ON LIAOHE OILFIELD

An article contributed by Helen Li of ISCO Corporate Member, Hong Kong Spill Response Technology Co. Ltd.



Liaohe Oilfield of CNPC holds 2012 annual onshore oil spill response exercise on July 12, 2012.

China Oil Offshore Emergency Rescue Response Center, Liaohe Oilfield of CNPC held the oil spill response exercise for improving the ability and efficiency of dealing with accidents.

Hong Kong Spill Response Technology Limited and the foreign expert (the manufacturer of amphibian vehicle) inspected and observed this exercise.

In the Imaginary accident a valve on an oil pipeline has been broken at 2:30 pm. More than 10 tons oil spilled into the sea and spread to the south-east of Liaohe oil -field by tide and polluted the beach.

The content of the drill include offshore response, protection of beach and oil recovery.

After receiving the signal for starting of the exercise, the emergency center of CNPC dispatched a rapid response team of workers with equipment to the accident site. According to judgement and analysis for this accident, responders quickly initiated an emergency response plan. Two emergency response towing vessels received the command at the earliest time and began to deploy the solid floatation oil booms and the inflatable oil booms to contain an oil spill at sea .

At the same time, more than 40 staff deployed beach sealing boom around accident site to protect the shoreline. The area is a type of mud beach with some sand and stones. This made it difficult for personnel to walk and move the equipment.



They wore full protective clothing and boots, and it proved to be a good exercise for moving and installing equipment on this beach.

In additional, two amphibian vehicles with skimmer systems demonstrated a new way to deal with the work. The responders were able to operate the equipment to recover oil from both water and land.

The exercise continued for a couple of hours and the conclusion was that the mission has been finished successfully.

During the drill, response personnel were tested and trained in severe conditions and in a difficult area. The team's professional knowledge, experience and approach to the work were found to fully meet the required basic abilities for responders.



In this issue of the ISCO Newsletter we are printing No. 88 in a series of articles contributed by Dr Douglas Cormack.

Dr Douglas Cormack is an Honorary Member of ISCO. As the former Chief Scientist at the British Government's Marine Pollution Control Unit and head of the UK's first government agency, the Warren Spring Laboratory, Douglas is a well known and highly respected figure in the spill response community. He is the Chairman and a founder member of the [International Spill Accreditation Association](#)

CHAPTER 88: KNOWLEDGE OF MECHANICAL RECOVERY

Having investigated the transfer rates achievable with the Renvac vacuum loader as reviewed in Article 87, WSL proceeded to investigate the relationship between airflow and partial vacuum pressure with the results tabulated below.

Renvac Connection	Vacuum mm Hg	Airflow l s ⁻¹
To air	50	354
To open hopper	88	312
To closed hopper and thence to air by a 30m x 100mm hose	250	263
To closed hopper and thence to oil by a 30m x 100mm hose	375	177
To closed hopper and thence to air by a 15m x 100mm hose	188	264
To closed hopper and thence to oil by a 15m x 100mm hose	325	201
To closed hopper and thence to air by two 15m x 100mm hoses	120	297
To closed hopper and thence to oil by two 15m x 100mm hoses	355	189

Thus, we see that that the controlling parameter is linear velocity of the transporting air; that the benefits of increasing hose diameter to decrease friction losses are consequently limited; and that hose-handling problems limit this approach in any case. In addition, it was found that air ingress was insufficient with a 25mm pipe; that a 152mm pipe was required; but that this placed half-way across the mouth of the hose-inlet significantly blocked the entry to pollutant. However, the solution to this problem was to arrange for the horizontal transfer hose to float with of its cross-sectional area partially in the air above the pollutant layer, for it to have an upward-vertical 25mm pipe to provide auxiliary air should the hose entry become totally submerged by wave action, and for a downward-vertical 25mm pipe to provide lubricant-water from beneath the layer of floating pollutant.

The next step was to design what was effectively a wave-responsive weir skimmer for the end of the horizontal floating hose of a deck-mounted Renvac vacuum loader, now perhaps better described as an air conveyer. Thus the hose-end skimmer was basically a fluted metal inlet to a 15m floating vacuum hose with 25mm air and water pipes projecting vertically from its respective upper and lower surfaces and with in-built positive buoyancy sufficient to maintain the pollutant/air interface about halfway up the horizontally fluted opening. Thus, while the wave-following characteristics of this low inertial mass hose-end fitting would be somewhat reduced by its attachment to the floating vacuum hose, the fitting itself is isolated from the deck-loaded high inertial mass pumping system, thus making it as free as possible from all movement restraining inertial mass of the floating hose and the deck-mounted puping system.. Having, thus designed this skimming/transfer system it remained only to combine it with the WSL prototype boom system of articles 74 and 76)..

This system had had its origin in an early sea trial of the separate tension line boom of Captain Erling Blomberg in which the intention had been to tow one end by *RV Seaspring* and the other by a hired fishing boat. However with the latter choosing not to operate in the prevailing weather, I asked Erling to cut down his boom to a length suitable for deployment from the jib of *Seaspring's* forward crane positioned horizontally and at right angles to the ship's centre-line. This was the means by which this boom length was deployed in recovering 9m³h⁻¹ of emulsion with a deck-mounted 10mm Spate pump at the Ekofisk Blow-Out. In the meantime, in order to encourage localised thickening of the pollutant layer, Erling had configured a small U with the innermost element of the larger U of his towed boom, by connecting the heads and feet of two of his curtain-spreader battens with short bridles. In addition, I had noticed that when a small amount of pollutant remained in this so-called oil-trap, it developed a circular motion, non-contiguous with the vertical curtain itself. This, in turn, suggested to me that the encountered water was not diving under the curtain at the tangential point normal to the forward motion of the trap but was escaping from a vortex created at the centre of the trap by this forward motion. Again, in support of this hypothesis, we observed this vortex to be destroyed and its indicative pollutant lost in the usual way, only when towing speed was increased to ~3 knots, this beneficent vortex subsequently being named Captain Blomberg's Circus.

1 The *Rational Trinity: Imagination, Belief and Knowledge*, D.Cormack, Bright Pen 2010 available at www.authorsonline.co.uk

2 *Response to Oil and Chemical Marine Pollution*, D. Cormack, Applied Science Publishers, 1983.

3 *Response to Marine Oil Pollution - Review and Assessment*, Douglas Cormack, Kluwer Academic Publishers, 1999.

Publications

CONCAWE REPORT: EUROPEAN DOWNSTREAM OIL INDUSTRY SAFETY PERFORMANCE

Statistical summary of reported incidents – 2011

In this eighteenth annual report on European downstream oil industry safety performance, 2011 statistics are presented on work-related personal injuries for the industry's own employees and contractors. Data were received from 34 CONCAWE Member Companies representing approximately 96% of the European refining capacity. Trends over the last eighteen years are also highlighted and the data are compared to similar statistics from related industries. This report also presents the third year of results for Process Safety Performance Indicators from CONCAWE members. CONCAWE [Read the report](#)

AUSTRALIA: CROIERG DISTRIBUTES NEW OIL SPILL BOOKLET TO MEMBERS

CROIERG has had an informative booklet titled "ANATOMY OF AN OIL SPILL" printed and distributed to the membership.

This booklet is a step-by-step account of an actual oil spill in Scotland and describes just how the events unfolded over the days involved. Very good learning and spill awareness material

CROIERG was given permission to publish this material by the International Oil Spill Organisation (ISCO). CROIERG News [Read more](#)

[Note from editor] The booklet was compiled from a short series of articles that appeared in recent issues of the ISCO Newsletter. Readers interested in obtaining a copy of the booklet should contact ISCO member, Brian O'Connor at eejoconn@bigpond.net.au or ISCO Secretary john.mcmurtrie@spillcontrol.org

US EPA: TECHDIRECT AUGUST 2012

TechDirect's purpose is to identify new technical, policy and guidance resources related to the assessment and remediation of contaminated soil, sediments and ground water. [Download this issue of TechDirect](#)

Events

ISAA MEETING – CHANGE OF DATE

Please note that the ISAA Steering Group Meeting will be held on **Wednesday 29th August** and NOT Tuesday 28th August as previously advised. The meeting is at the NIEA Lisburn office at the usual time of 10.30 a.m.

The Notice of Meeting and Agenda have been sent out to all stakeholders – if you have not received this, please contact the Administrator john.mcmurtrie@spillcontrol.org

AUSTRALIA: BULK TANKER EMERGENCY EVENT

The Australian National Bulk Tanker Association is again conducting their Bulk Tanker Emergency Response Event at the Melbourne Park Function Centre on Thursday September 6, 2012. The last twelve months have seen unprecedented demands placed on Australian emergency services, with floods and cyclones in Australia and devastating earthquakes in New Zealand and Japan. The ability to respond and to work with a multitude of agencies and different incidents has never been more in the spotlight.

This is the third annual Bulk Tanker Emergency Response Day under the banner of sharing lessons and improving outcomes. Jointly hosted by the National Bulk Tanker Association (NBTA) and the Australasian Fire and Emergency Service Authorities Council (AFAC) the day focuses on how to better manage emergency response with a focus on bulk tanker incidents. Register here ["Register Online"](#) or to view and download the program click: ["Bulk Tanker Emergency Response Event"](#)

UK: OFFSHORE EUROPE – CALL FOR PAPERS

The Society of Petroleum Engineers is delighted to invite you to submit your paper proposals for technical papers to be presented at the SPE Offshore Europe Conference and Exhibition 2013. The event will take place **3rd – 6th September 2013 at the AECC, Aberdeen.** [More info](#)

Events (continued)

IOPC 2012 MEETING DATES

The next meetings of the IOPC Funds' governing bodies will take place during the week of 15 October 2012 and will include the following sessions:

1992 Fund Assembly – Seventeenth session
1992 Fund Executive Committee – Fifty-sixth session
Supplementary Fund Assembly – Eighth session
1971 Fund Administrative Council – Twenty-ninth session [More info](#)

UK: CONFIRMED SPEAKERS AT 3RD MARITIME SALVAGE & CASUALTY RESPONSE CONFERENCE

London, 5-6 September, 2012 - Confirmed Speakers Include: Maurice Schreurs **Contracts Manager** SMIT Salvage Peter Townsend **Vice President, Senior Underwriter Hull & Liability** Swiss Re George Tsavlis **CEO** Tsavlis Salvage Kaushik Roy **HSE Manager / DPA / CSO** MOL LNG Transport (Europe) Morgyn Davies OBE **Chief Salvage and Mooring Officer** UK Ministry of Defence Paul Pisani **Director** Alpha Briggs Mediterranean Mauricio Garrido **President** T&T Bisso Jonathan Lloyd Jones **Managing Director** JLJ Maritime John Noble FNI **Managing Director (UK Office)** Donjon Marine Bridget Hogan **Publicist** The Nautical Institute Simon Rickaby **Managing Director** Braemar Howells [More info](#)

UK: MANAGING PROCESS SAFETY HAZARDS IN THE POWER UTILITIES SECTOR

Tuesday 25 September 2012 Academy of Medical Sciences, London

The power utilities sector has been implementing the guiding principles of process safety for several years. This conference will focus on practical applications, case studies, successes and lessons learned to maintain momentum on the process safety journey. Chaired by Derrick Farthing Eur Ing CEng FEI, former Director of Safety, Health and Environment for E.ON [More info](#)

UK: SUSTAINABLE BUSINESS AND EDIE ANNOUNCE CORPORATE WATER RISK 2012

London, 30 October 2012 - Registration is now open for Corporate Water Risk 2012, an event organised by Sustainable Business and edie for organisations from all sectors to gain practical and up-to-date guidance of the risks, responses and opportunities of water management in business. [More info](#)

AUSTRALIA: HAZMAT 2013 CONFERENCE & EXHIBITION – CALL FOR PAPERS

The Organising Committee is now accepting abstract submissions for Hazmat 2013. Papers may address any topical and current themes within the chemical management, dangerous good, hazardous materials or affiliated industries; however, preference will be given to those papers that address the conference theme.

A list of suggested topics is provided in the [Call for Papers brochure](#), however all submissions will be considered.

Company news

ISCO CORPORATE MEMBER, CI AGENT'S OIL SPILL MEMBRANE

August 5 - East Bergholt-based C I Agent Solutions has come up with a "green" membrane which may revolutionise the way utility and oil firms dispose of oil and other hazardous liquid waste.

The makers say the invention, which turns waste into solids, is set to save millions of pounds and sizeably reduce potential pollution threats. It was trialled at the Deepwater Horizon spill in the Gulf of Mexico.

Mark Dunk, UK Power Network's Civil Standards Manager said: "It's a legal requirement that we have secondary containment to prevent oil getting into the ground. We'll be monitoring this carefully and if it's as good as we hope it is, I will be pushing for us to use it more widely. I'm hopeful this is a really good opportunity for us to save money".

The membrane is designed and manufactured by the company, and its installation costs are roughly two-thirds the price of the current solution, a concrete bund installation.

Company news (continued)

Green Rhino is a sediment filtration system which is being used by utilities and civil and highway construction teams in and around site works and water and drainage system. It filters off silt, sediment and hydrocarbons to non-detect levels.

Mr Atkin said: "We have worked long and hard to ensure that we can fit our unique products to industry needs and it is now beginning to show sizeable benefits". *EADT24* [Read more](#)

ISCO CORPORATE MEMBER, RESOLVE MARINE GROUP TO REMOVE MV RENA WRECK FROM ASTROLABE REEF

August 3 - Florida based **Resolve Marine Group** has been awarded the contract by the Rena's owners and insurers to remove the vessel from the Astrolabe Reef, where she remains after running aground last October.

The first step will include the reduction of the wreck's bow that remains above water. The ship's insurer, Swedish Club, says the bow will be cut into sections and removed by helicopter.

Officials say Resolve has developed a plan that meets their environmental concerns in the delicate marine sanctuary.

The appointment of Resolve was announced today by Athens-based Konstantinos Zacharatos, director and legal counsel for the ship's owner, Costamare. *The Maritime Executive* [Read more](#)

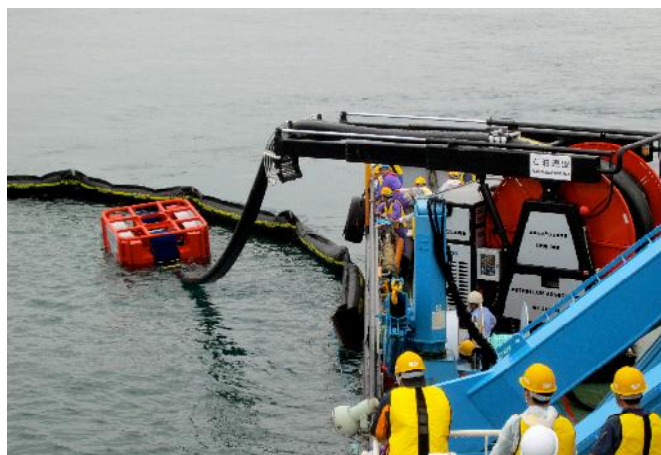
LONDON OLYMPIC PARK ENVIRONMENTAL CLEAN-UP USES BIOREMEDIATION TECHNOLOGY

The £6.09 billion development of the 200 hectare (500 acre) London 2012 Olympic Games Park has been one of the largest Brownfields regeneration projects in recent years. Located in Stratford in East London, the site was formerly an industrial estate with uses including: chemical, fertilizer, engineering works, landfills and depots leaving a legacy of soil and groundwater contamination.

In Situ Enhanced Bioremediation, a widely accepted and well understood natural biodegradation process was chosen to cleanup this portion of the site. This approach utilizes indigenous microbes to aerobically biodegrade petroleum hydrocarbons in-place

REGENESIS is proud to have supported environmental consultants, remediation contractors and regulators in successfully delivering the multi-billion pound, award winning, remediation for The London 2012 Olympic Games. For more info about this project contact Gareth Leonard gleonard@regenesisc.com

NEWS RECEIVED FROM AQUA-GUARD



July was an extremely busy month for Aqua-Guard as our teams attended several large offshore spill response exercises. The first was in Rio de Janeiro where Aqua-Guard's Latin American team launched the first of four, large RBS TRITON 300 URO offshore skimming systems from a clients purpose built Oil Spill Response Vessel. The second was an offshore exercise conducted by the Petroleum Association of Japan off Niigata where Aqua-Guard's team repeatedly deployed a recently supplied RBS TRITON 300 URO offshore oil skimming system over a three day period. Similar exercises took place in Venezuela and Korea all showing off Aqua-Guard's state of the art large offshore skimming systems (RBS TRITON 300 and 600 URO systems). For more information please contact Aqua-Guard Spill Response Inc at sales@aquaguard.com or visit our web site at www.aquaguard.com or our facebook page <http://www.facebook.com/pages/Aqua-Guard-Spill-Response-Inc/118143838230579>.

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