



ISCO NEWSLETTER

The Newsletter of the International Spill Response Community

Issue 270, 14 February 2011

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2011 WMU - IMO Conference on
Oil Spill Risk Management
Preparedness, Response and Contingency Planning
in the Shipping and Offshore Industries
7 - 9 March, Malmö, Sweden

International Oil Spill Conference
API • BOEMRE • IMO • IPECA • NOAA • USCG • USEPA
IOSC 2011
The Science of Oil Spill Response

May 23-26, 2011
Portland, Oregon

News

PIRACY SITUATION "UNACCEPTABLE" SAYS UN SECRETARY-GENERAL BAN KI-MOON

The escalating problem of piracy off the coast of Somalia is "completely unacceptable" and requires an urgent and coordinated response, United Nations Secretary-General Ban Ki-moon said at the launch (on 3 February 2011) of the International Maritime Organization (IMO)'s action plan to promote the 2011 IMO World Maritime Day theme: "Piracy: orchestrating the response"

IMO Secretary-General Efthimios E. Mitropoulos said "piracy and kidnapping have blighted the maritime community for too long and it is seafarers who bear the brunt." He added, "we believe that we can use the experience gained and the successes achieved in reducing piracy elsewhere to good effect in the current arena as well, but to do so requires a well orchestrated response."

Among other things, during 2011, IMO will focus on promoting further co-operation between and among States, regions and organizations in reducing the risk of attacks on ships through a variety of mechanisms including information-sharing; coordination of military and civil efforts; and development and implementation of regional initiatives, such as the IMO-led Djibouti Code of Conduct. [Read more](#)

TWO TANKERS ATTACKED IN LAST FEW DAYS

Report of February 8 - Pirates have boarded and taken control of an Italian oil tanker in the Indian Ocean, the Italian navy has said. The 105,000-tonne ship was carrying a load of crude oil from Marsa Bashayer in Sudan and was destined for Pasir Gudang port in Malaysia. [Read more](#) Two days later on February 10 it was reported that a supertanker carrying \$200 million worth of crude oil has been hijacked off the coast of Oman. The 333m (1,093ft) vessel was on its way from the Gulf to the Gulf of Mexico when it was attacked. Greece's Merchant Marine Ministry told the Associated Press that the ship was carrying 266,000 tons of crude oil. [Read more](#) The pirates aren't likely to be

News (continued)

the most safety-conscious people and, with bullets flying around, how long will it be before the outcome is explosion, fire, loss of life and a potentially massive pollution incident ?

EUROPE: EMSA TO CONTRACT MORE OIL SPILL RESPONSE VESSELS IN 2011



The Limassol, Cyprus-based M/V Alexandria is the most recent OPR vessel to be contracted by EMSA.

On 31 January, a tender for stand-by oil spill recovery vessels was launched for the Southern Baltic, Bay of Biscay, Central Mediterranean, Western Mediterranean and Black Sea. Open information meetings about the tender will be held during February in different cities. Details are available [on the EMSA website](#) in the *Procurement* section. The contract duration is four years with possibility of renewal. The deadline for applications is 16 March 2011.

U.S. ASKS EXXON, HELIX FOR DETAILS ON BLOWOUT FLEETS

February 4 - The U.S. offshore drilling regulator wants to know when the oil industry will be ready to handle out-of-control wells.

Lists of oil-containment equipment to be deployed when deep-water wells blow out must be provided to the government before the process of issuing drilling permits can move forward, the Interior Department's Bureau of Ocean Energy Management, Regulation and Enforcement said today in a letter to the oil companies assembling blowout-response fleets for the Gulf of Mexico.

Almost four months after a federal moratorium on deep-water exploration in U.S. waters was lifted, drilling remains off-limits because energy companies haven't proved they have ships and other equipment ready to handle catastrophic blowouts. [BP Plc's](#) disaster at the Macondo well in April killed 11 and led to the worst U.S. offshore oil spill.

Today's letter was sent to the [Exxon Mobil Corp.](#)-led Marine Well Containment Corp. and [Helix Energy Solutions Group Inc.](#), which are developing separate blowout-response systems. [Royal Dutch Shell Plc](#) and [Chevron Corp.](#) are among the companies participating in the Exxon group; the Helix effort caters to smaller explorers such as [Marathon Oil Corp.](#) and [Newfield Exploration Co.](#) [Read more](#)

USA: EPA SUBMITS DRAFT HYDRAULIC FRACTURING STUDY PLAN TO INDEPENDENT SCIENTISTS FOR REVIEW

February 9 - The U.S. Environmental Protection Agency (EPA) today submitted its draft study plan on hydraulic fracturing for review to the agency's Science Advisory Board (SAB), a group of independent scientists. Natural gas plays a key role in our nation's clean energy future and the process known as hydraulic fracturing is one way of accessing that vital resource. EPA scientists, under this administration and at the direction of Congress, are undertaking a study of this practice to better understand any potential impacts it may have, including on groundwater.

EPA announced its intention to conduct the study in March 2010 and use the best available science, independent sources of information, a transparent, peer-reviewed process and with consultation from others. Since then, EPA has held a series of public meetings across the country with thousands attending and the agency has developed a sound draft plan for moving forward with the study.

Hydraulic fracturing is a process in which large volumes of water, sand and chemicals are injected at high pressures to extract oil and natural gas from underground rock formations. The process creates fractures in formations such as shale rock, allowing natural gas or oil to escape into the well and be recovered. [Read more](#)

USA: OFFICIALS WARN U.S. AGAINST ANOTHER OIL DISASTER WITH ARCTIC OIL DRILLING

A retired Coast Guard admiral has warned that the United States is not well equipped to deal with another major oil catastrophe in Alaska just months after a massive oil spill in the Gulf of Mexico. Talking to reporters, retired Adm. Thad Allen said that of the three icebreakers that the U.S. Coast Guard has, only one was operational and would be able to respond if any disaster occurs on the northern coast of Alaska, which is covered with ice much of the year.

Former Alaska Lt. Gov. Fran Ulmer suggested that Washington must invest in the Coast Guard before considering drilling in the Arctic. "It's not an option; it's a mandatory next step for our country to take," said Ulmer. He was a member of a presidential commission that last month called for the government to take more efforts to prevent another Gulf of Mexico disaster in the future. [Read more](#)

NIGERIA-OIL AND GAS INDUSTRY: FG MOVES TO CHECK OIL SPILLS

The Federal Government has charged stakeholders in the oil and gas industry to come up with recommendations on the most effective and efficient regulatory framework to deal with catastrophic oil spills in the country. Minister of Petroleum, Mrs. Diezani

News (continued)

Alison-Madueke told the industry stakeholders at a recent safety workshop on offshore drilling organised by the Department of Petroleum Resources (DPR) in Abuja that such recommendations should ensure that there would be synergy among the existing government agencies. [Read more](#)

UK: AN OIL SPILL OFF SHETLAND COULD 'EQUAL GULF OF MEXICO DISASTER'

AN OIL spill off the coast of Shetland could equal that of the Gulf of Mexico disaster and spread as far as the Norfolk coast, an environmental report has claimed.

An investigation carried out by American oil drilling company Hess, which has lodged an application to drill a deep water well to the west of the island, revealed that a spill could last as long as ten weeks.

The oil industry played down the likelihood that an accident would ever occur, but environmental campaigners claimed such a spill could devastate wildlife in the area and impact tourism for years. Without intervention, Cambo 4 would flow for a period of two-and-a-half months, releasing an estimated 4.3 million barrels of crude oil, Hess admitted in the assessment, published as part of the company's drilling application. [Read more](#)

USA: ETHANOL EMERGENCY RESPONSE TRAINING INTRODUCED TO 9 SELECTED CITIES

[Safety](#) is the top priority for America's ethanol industry and those who transport and bring [ethanol](#) to the marketplace. It is with this commitment in mind that the Renewable Fuels Association (RFA) and numerous Clean Cities Coalitions (CCCs) are hosting a series of [Ethanol Safety](#) Seminars at several locations throughout the United States. These seminars are free. While primarily targeting first responders, hazmat teams, safety managers, and local emergency planning committees; they are also open to the general public.

As a part of the Alternative Fuels Trade Alliance, the RFA and CCCs are able to hold these Ethanol Safety Seminars through the \$1.6 million grant received from the U.S. Department of Energy (DOE). This grant has been used to raise public awareness and foster understanding of alternative fuels and advanced vehicle technologies across the country. The goal of these seminars is for attendees to gain a full ethanol emergency response [training](#) experience that they can put to use immediately in the field, as well as pass along to other first response teams. A majority of this training is based on the Complete Training Guide to Ethanol Emergency Response, a training package created by the Ethanol Emergency Response Coalition (EERC) that has been distributed throughout the United States and to several countries worldwide.

Already underway, the Ethanol Safety Seminars have been held in Harrisburg, PA and will be held at eight more locations in 2011 including Boston Metropolitan area, MA; Charlotte, NC; Houston and Beaumont, TX; Portland, OR; Stockton, CA; Indianapolis, IN and in Northeastern, OH. As over 50 percent of fire departments in the United States are volunteer based, each location will have a morning and afternoon session in order to accommodate schedules and reach as many participants as possible. Each safety seminar is conducted with the local Clean Cities Coordinator and is taught by a professional trainer with a background in firefighter/[hazmat](#) materials response. The RFA has been working diligently with the State Fire Academies to offer certificates of training or participation that can be used toward their local department's training requirements. [Read more](#) [Thanks to Don Johnston of ISCO Associate Member, DG & Hazmat Group, for passing on this information]

Technology

USA: STUDENTS' OIL TECHNOLOGY SHOWN AT SKYSONG

February 4 - A tiny, tubular material developed by a group of Brazilian graduate students could have a huge worldwide impact on petroleum production and oil-spill cleanup. This week, Rochel Lago, a professor in the chemistry department at Federal University of Minas Gerais, and his students are at SkySong, the [Arizona State University](#) Scottsdale Innovation Center, to present their discovery and learn about technology-transfer opportunities.

The students developed the material while working with nanotechnology, the study of manipulating matter on an atomic and molecular scale. "The nanotechnology we developed has several interesting properties," Lago said. "First, it's magnetic and second, it interacts well with water and oil. It will separate petroleum from water."

All offshore oil is extracted as an emulsion, which is water droplets dispersed in petroleum, so it must be separated before processing, he said. The material developed by the students takes only seconds to separate oil and water, and can be reused up to five times, he said. [Read more](#)

UK: 19P A LITRE 'PETROL' IN DEVELOPMENT

A British company has invented artificial petrol that emits no greenhouse gases and could cost as little as 19p per litre at the pumps. Cella Energy, the Oxfordshire-based firm that is developing the fuel, uses hydrogen, which is currently much cheaper than

oil. The first road tests of the as yet unnamed fuel are scheduled to take place next year. If everything goes to plan, then the miracle 'petrol' could be available in three to five years.

Chief executive of Cella Energy, Stephen Voller, said: 'In some senses, hydrogen is the perfect fuel. It has three times more energy than petrol per unit of weight, and when it burns, it produces nothing but water.' He also said that the fuel could be used in existing cars without the need for engine modifications: 'Early indications are that the micro-beads can be used in existing vehicles without engine modification. The materials are hydrogen-based, and so when used produce no carbon emissions at the point of use, in a similar way to electric vehicles.' [Read more](#)

People in the News

MR. TORBEN SKAANILD APPOINTED CHAIRMAN OF THE EXEC. BOARD OF THE WORLD MARITIME UNIVERSITY



The International Maritime Organization (IMO) and the World Maritime University (WMU) have announced the appointment of Mr. Torben Skaanild as new Chairman of the Executive Board of the University. Mr. Skaanild is the Secretary General of BIMCO and will replace Mr. Jan Kopernicki, who is retiring.

[Read more](#)

TITAN SALVAGE APPOINTS CAPT. RICH HABIB VICE PRESIDENT

Capt. Rich Habib has been appointed vice president of TITAN Salvage with responsibility for the company's overall performance, including operations, administration, finance and commercial activities. He is domiciled at TITAN's headquarters in Pompano Beach, Fla., and reports to Todd Busch, Crowley Maritime Corporation's senior vice president and general manager of technical services. TITAN is a Crowley subsidiary.



[Read more](#)

Cormack's Column



In this issue of the ISCO Newsletter we are printing No. 13 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](#).

HARMONISATION OF TECHNOLOGY AND MARINE ENVIRONMENT (PART 13)

Though total anthropogenic hydrocarbon inputs from shipping, offshore exploration/production and land-source operations are less than those photosynthesised by and for marine species prior to organism death, degradation and recycling, and less than those contributed by atmospheric rainout from land-source vegetation (c.f. article 12), their relative input-intensities are the determinants of their relative effects. Thus, we find that those from anthropogenic land-sources are greater than those from shipping or offshore activities *per se*; that these land-source inputs directly to a river are more intense than those conveyed by the river to the sea; and that bulk-releases to water surfaces are more intense than are discharges of water containing dispersed oil droplets whether to rivers or seas.

However, we have already noted that the intensity of bulk releases is reduced by spreading on water surfaces; that 100m³ spreads over 1km² to a thickness of 0.1mm and *pro rata*; that the intensity of input per m² is proportional to the layer thickness and not to the volume released; and that dispersion of a 1m² layer of 0.1mm thickness inputs 100ppm to the underlying 1m³ of water. Conversely, oil discharged as droplets in water may form surface slicks if the droplets are large enough to resurface according to Stokes' Law, though in such cases the resulting slick thickness is unlikely to reach 0.1mm because droplets too small to surface for retention in an API or ship-borne gravity separator are unlikely to surface in the sea, natural turbulence in the latter being greater than in the former (c.f. article 11).

Cormack's Column (continued)

Again, we have already noted that surface slicks disperse as droplets small enough not to resurface; that the ensuing concentrations are much lower than 100ppm even in the top m³ because dispersion is slow in inverse proportion to viscosity and because the larger droplets resurface; and that the intensity of input is progressively diminished by subsequent dilution of the droplets through ever greater depths of water while the thinning slick produces ever smaller droplets under constant levels of wave-induced agitation. Thus, having noted that discharges of water containing oil droplets may form slicks of various thicknesses, and that whether discharged thus or in bulk, all oil disperses as droplets by subsequent wave-agitation, with maximum possible relative intensities of oil inputs to the sea per km² of sea surface being as tabulated for the range of increasing slick thicknesses observable by eye.

Approx. Thickness	Approx. Volume/Area
0.02µm	0.02m ³ /km ²
0.1 µm	0.1m ³ /km ²
1.0 µm	1m ³ /km ²
50.0 µm	50 m ³ /km ²
0.1mm	100 m ³ /km ²

Having now related relative oil input intensities to volume/area ratios observable from the thinnest slick upwards, all of which are independent of the volumes released, I now refer to the concentrations of oil actually measured under slicks produced by wave action at sea. Results obtained as early as 1973 by the UK Ministry of Defence gave concentrations between 0.1 and 0.2ppm over a period of 24 hours under a slick of Kuwait crude discharged for this purpose, while later, the WSL team measured concentrations under a gas-oil slick (S.G 0.85 and boiling range 200-260° C) at depths between 1.5 and 10.5m as being 0.46 to 0.23ppm. Later, similar investigations with Ekofisk oil gave concentrations ranging from 2.11 to 0.2ppm for depths ranging from 2 to 15m over a period of 21 hours while the slick itself lost about 20-25% of its weight by evaporation in 2 hours and about 30% in 8hours, while the non-volatile fraction decreased by half in about 12 hours and again by half in a further 12 hours through natural dispersion as droplets.

Again, at the Ekofisk Blowout in 1976, the WSL team measured concentrations of oil in the depth range of 1-4m 50 hours after the well was capped as being in the range of 0.245 to 0.005ppm (5ppb) as the degree of sheen-visibility decreased with increasing distance of 3 to 20 nautical miles from the source-platform, while the subsequent surface clearance by natural dispersion was observed to be consistent with a half-life of 10-12 hours as had earlier been observed for deliberate releases of Ekofisk oil. Thus, it was early concluded that the concentrations of non-volatile oil components naturally dispersed in sea water are low because of rapid spreading and slow dispersion; that the latter is slower still, the more viscous the oil; that Ekofisk oil is among the most rapidly dispersing oils; and that species-extinction/ecological-disaster must arise from releases of such oils if it is to arise at all, the input-intensity being greatest for the most rapidly dispersing oils.

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.

Events

Events are listed here as soon as possible after they are notified to ISCO and will usually only be featured once in this column. To find a more comprehensive listing of upcoming events, including ones previously announced in this column, click [HERE](#)

ISAA "ALL-IRELAND" ACCREDITATION SCHEME STEERING GROUP MEETING

This meeting will take place at the office of the Northern Ireland Environmental Agency, Lisburn, Northern Ireland at 2.00 p.m. on Monday 21 February, 2011. The meeting agenda has been circulated to all stakeholders.

OFFSHORE ARABIA 2011 – ENVIRONMENTAL AWARDS

Offshore Arabia 2011 is proud to announce the "Environmental Awards" that will be running in conjunction with the Offshore Arabia Conference and Exhibition which will be held from the 28 - 30 of March 2011. The 'Environmental Awards' provide an opportunity to honor companies that have contributed towards the protection, safety and betterment of the environment. These awards have received acclaim on both regional and international levels. The Environmental awards ceremony will take place on the evening of 28th march, as part of a prestigious dinner that will host regional and international VIP's, dignitaries and prominent leaders of the industry. This will be a truly high level event, celebrating the importance of working towards the environmental goals committed to by the industry. [More information](#)

The Award Categories are:

- **Excellence in Environmental Applications**
Documentation and special training in the field of HSEQ with a special emphasis on the process used and applied to ensure total workforce compliance, prevention measures and total reliability. The use of environmentally friendly products and the application of the industry's best-practices.
- **Excellence in Capability & Response**
Contingency planning, response strategies, preparedness in response to incidents, waste management and capability.

Availability of in-house oil spill equipment, trained personnel and other logistics materials.

- **Excellence in Environmental Projects and Products**

Undertaking of sustainable projects in the environment, coastal protection, air pollution controls, renewables, general environment protection and conservation. Manufacturing, and/or specially designed projects/or products that help in minimizing environmental impact, and/or are more effective in eliminating any pollution.

- **Excellence in Environmental Technology**

Manufacturing, and/or the utilization of the latest technologies, that attain the desired objectives of protecting the environment and helping to minimize any possible adverse impact. The use of state-of-the-art technology.

- **Excellence in Incident Command Structure**

The application of the various systems of oil spill management with clear and defined responsibilities for an effective Incident Command System(ICS).

- **Regional Environmental Personality**

Those individuals that have had an important impact on, and made a positive contribution to, the regions environment. It covers leadership, strategy, commitment, enhancement of environmental excellence.

OIL ON THE WAVES CONFERENCE- APRIL 20TH, 2011 - DEN HELDER, THE NETHERLANDS

On 20 April 2011, one year after the oil disaster with the oil drilling rig Deepwater Horizon in the Gulf of Mexico, an international symposium will be taking place in Den Helder, the Netherlands about what the consequences of an oil disaster could be for the North Sea and Wadden Sea. The symposium will deal with the learning moments for the Dutch situation and will go into the question whether the Netherlands is prepared for a possible disaster and how industry and government/authorities would collaborate in this case. The symposium is intended for businesses, policymakers, researchers, environmental and nature organisations and other interested parties. During the symposium an information and trade exhibition will also take place where organisations and businesses from the marine environment industry and the oil spill clean-up industry can present their services and products. [More information](#)

INTERTANKO ANNUAL EVENT, 10-11 MAY 2011, ATHENS

INTERTANKOs Annual Event will feature a Tanker Seminar on Wednesday 11 May 2011 that will present an array of top speakers providing the latest regulatory insights straight from the source, as well as the latest on the oil and tanker markets, piracy, ballast water management, and more from top speakers. [More information](#)

THE 14th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL REMEDIATION AND RADIOACTIVE WASTE MANAGEMENT

September 25-29, 2011 at Reims, France - ICEM promotes a broad global exchange of information on technologies, operations, management approaches, economics and public policies in the critical areas of environmental remediation and radioactive waste management. The conference provides a unique opportunity to foster cooperation among specialists from countries with mature environmental management programs and those from countries with emerging programs. Attendees include scientists, engineers, technology developers, equipment suppliers, government officials, utility representatives and owners of environmental problems. [More information](#)

Correspondence

COMMENTS ON THE NEW NEWSLETTER FORMAT

From Don Johnston, DG & Hazmat Group, Australia – “The new format of the Newsletter looks great, very, very impressive and very professional”.

From B. J. O'Banion-Daniel, CI Agent, USA – “The January 31st issue of the newsletter looked fantastic. It was professional in appearance, was easy to read, and full of great articles. It has come a L-O-N-G way”.

From Michael Hebb, Pol-E-Mar, Canada – “I receive your weekly e-mail and I regularly read with interest your weekly ISCO Newsletter. I don't normally concern myself with commenting/critiquing, as I feel the world has far too many critics. I offer only my comments on the new format of the newsletter. I believe that the new format, in a printed form is probably quite attractive, makes good use of the white space and is easy to read and follow. In the electronic .pdf format that I receive and read, the new format neither easy to read or follow. Reading an article requires scrolling up and down the page, following the columns from top to bottom, bottom to top, left to right, and right to left. Overall, the new format does not appear to be well thought out for those who enjoy the electronic version. I hope that these comments will be of some use and/or interest. I look forward to continuing to read the newsletter, hopefully in a format that is optimized to be read on my computer”.

Correspondence (continued)

Reply from Editor – Thanks for sending in your comments. I too was very pleased with the new format, especially when I looked at a hard copy print-out. I've given it some thought and have to say I have sympathy with the views expressed by Michael Hebb. I think most people will have to scroll up and down as he describes. I looked at some other e-newsletters and noted that they generally avoid columns for this reason. Columns look nice but, on balance, I think Michael's comments are valid. I have therefore discontinued the columns, except for the first page.

I very much welcome receiving constructive criticism and look forward to more suggestions for improving the Newsletter.

ISCO Announcements

REMINDER – SPECIAL OFFER OF FREE ADVERTISING WILL END ON 28 FEBRUARY

See page 1 of this Newsletter. During January 2011 the ISCO website received 636 visitors who viewed 1,737 pages. The Directory links also appear in every edition of the Newsletter, reaching an estimated 6,000 readers each month.

Company News

RESOLVE SALVAGE & FIRE IS USCG APPROVED FOR OPA90 SALVAGE & MARINE FIREFIGHTING COMPLIANCE



RESOLVE Salvage & Fire (Americas), the emergency response division of international maritime emergency services contractor RESOLVE Marine Group, announced today that the U.S. Coast Guard has approved RESOLVE to help oil tanker vessel owners comply with new OPA90 requirements by the February 22, 2011 deadline.

The USCG has already begun issuing Interim Operating Authorizations (IOA) for tank vessels that cite RESOLVE in their OPA90 Vessel Response Plans. With an IOA in hand, RESOLVE client vessels will be permitted to continue carrying petroleum cargoes in U.S. waters after February 22, when the new, more stringent OPA90 regulations become effective. Vessel owners who have not yet filed Vessel Response Plans can comply with

the impending USCG requirements by citing RESOLVE as their Salvage and Marine Firefighting responder and still expect timely approval of their plans by the deadline. [More information](#)

RUTTER SECURES \$US 1.3 MILLION ORDER FOR OIL SPILL DETECTION SYSTEMS

Canadian based Rutter Technologies, a division of Rutter Inc. (TSX: RUT), has entered into an agreement to provide its Oil Spill Detection and Management Systems for deployment in the U.S. offshore oil industry. This latest commitment is in addition to an original system which was sold for service in November 2010. Delivery will begin immediately, and is anticipated to be completed in April 2011.

Rutter President and CEO, Fraser Edison, says "this purchase by Marine Spill Response Corporation (MSRC) is intended to enhance offshore skimming capabilities during night time operations as well as during times of decreased visibility." Edison says "the majority of these units will be deployed on boats and barges operating in the Gulf of Mexico, potentially opening new doors for Rutter's oil spill technology to opportunities in the United States." [More information](#)

Products and Services

US EPA APPROVES VERUSOLVE MARINE 200 HP FOR SURFACE WASHING AGENT

VeruTEK Technologies recently announced that VeruSOLVE Marine 200 HP, has fulfilled the requirements contained in Title 40 of the CFR section 300.915 of the National Oil and Hazardous Substance Pollution Contingency Plan, and is now listed as a Surface Washing Agent on the NCP Product Schedule. [More information](#)

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