

FRANK R. WOLF

10TH DISTRICT, VIRGINIA

COMMITTEE ON APPROPRIATIONS

SUBCOMMITTEES:

RANKING MEMBER—COMMERCE-JUSTICE-
SCIENCE

TRANSPORTATION-HUD

CO-CHAIR—TOM LANTOS
HUMAN RIGHTS COMMISSION



Congress of the United States
House of Representatives

June 2, 2010

241 CANNON HOUSE OFFICE BUILDING
WASHINGTON, DC 20515-4610
(202) 225-5136

13873 PARK CENTER ROAD
SUITE 130
HERNDON, VA 20171
(703) 709-5800
(800) 945-9653 (IN STATE)

110 NORTH CAMERON STREET
WINCHESTER, VA 22601
(540) 667-0990
(800) 850-3463 (IN STATE)

wolf.house.gov

TO: Deepwater Horizon Response, BP Global
FROM: Rep. Frank Wolf

RE: Gulf of Mexico Oil Spill

I would like to introduce Reflection Solutions and their affiliate Reflection Technologies, a Service Disabled Veteran Owned Business (SDVOSB). They are presently working together with Moleculoc, the manufacturer of a product which has been accepted by the EPA for use on water borne spills, and can also be applied at the shoreline for beach clean-up. These products are the result of relatively new scientific innovations which impart unique characteristics that provide distinct advantages in dealing with oil spills and their clean-up.

Given urgent nature of the unfolding situation in the Gulf of Mexico, and because this product may not yet be known to you, I thought you should be aware of the immediate availability, in large volume, of this innovative EPA-accepted solution specifically designed for rapid-deployment oil spill control and recovery, which could have immediate positive impact.

I would appreciate it if the appropriate individuals could discuss and possibly meet with the principals of Reflection to receive a briefing; they can be contacted at (703) 980-9573.

Sincerely,

Frank R. Wolf
Member of Congress

FRW:ap
Enclosure

Terry Wolters
(703) 403 3133 (m)
terry@reflectiontech.net

Reflection Technologies, LLC
www.reflectiontech.net

SDVOSB



Product

- The EPA has reviewed and indicates that this product meets the definition of a “sorberent” as specified in Title 40 of the Code of Federal Regulations (CFR), sections 300.5 and 300.915(g) of the National Contingency Plan (NCP): EPA-approved dispersant that detoxifies as well as adsorbs oil
- This product is an ‘alumina silicate’ formula, acting as a "Molecular Sieve," with the ability to selectively sort molecules based on a size exclusion process. This porous structure can accommodate a wide variety of cat ions, such as Na^+ , K^+ , Ca^{2+} , Mg^{2+} and others. These positive ions can readily be exchanged for others in a contact solution. This property of positive and negative ions, when used as a spill mitigation application, encapsulates the Hydrocarbon Molecules and electronically binds those molecules to the product.
- Additionally, this product confines petroleum molecules in small spaces, which causes changes in their structure and reactivity. The Hydrogen (prepared by ion-exchange), part of the Hydrocarbon molecule is then released harmlessly into the atmosphere. The new molecule is now inert.
- This product can be reused up to ten times (depending on viscosity) before being discarded to the landfill, and it meets or exceeds the Federal EPA "One Drop Rule".
- The standard grade can be used to mix with the heavy tar balls showing up on the beaches, reducing them quickly to a dry granular consistency which can then be recycled in the asphalt manufacturing process. The benefits are immediate and permanent with value added, not expense compounded.

Disbursement

Any number of scenarios, including below the level of the underwater cloud of oil.

- The fishing industry uses a biodegradable bag for baiting fish which can also be used to take our product to the bottom of the ocean where in a matter of seconds to minutes the bag dissolves and releases the product. Once released from the bag, it begins to encapsulate oil while it migrates back to the surface. On its way up, it adds buoyancy to the oil, thus helping to push it to the surface where it is skimmed for recycling.
- Again, the product, which is 100% inert mineral, is recycled as an asphalt aggregate so there will be little or no material heading for the landfill.
- This product works on the molecular level to break up and sequester harmful materials, and may even remove some of the chemicals that have been so harmful to the fish and other sea life.
- These products are deployable by almost any conceivable means, making them extremely flexible for a host of site specific challenges. They are completely safe for use by hand labor in the marshes and on the beaches, can be boomed, bagged, socked, spread loosely on the ground by hand or with seed and lime spreaders. They will spread easily by airdrop as a loose granular blanket to firm up the slick and help prevent its spread while it is collected from the surface. The previously mentioned dissolving bag solution is effective from tug and barge operations or the filled bags can be dropped from aircraft as well.

Availability and Non Chemical State

- We have the largest and highest quality source of material in the world, in quantities that exceed hundreds of billions of pounds which can be processed at a rate faster than the ability to transport it.
- Booms being used and have developed and filed for patents, two versions of adaptable floating curtain booms that are uniquely able to protect the bayous, marshes nesting grounds and shrimp beds and also help prevent the tar balls from reaching sensitive areas.
- We are able to manufacture and deliver miles of these products immediately.
- All products are strictly non chemical, will never biodegrade, and will never add or impart any harmful elements or constituents to the environment.
- The speed at which they work and the effectiveness of this product's performance, the environmental soundness and the value added propositions make us a perfect fit for this severe situation.