

Celanese Receives 2013 Oil & Gas Award for Celstran[®] CFR-TP Based Composite Pressure Pipe

West Coast Manufacturer of the Year

Florence, Ky., Sulzbach, Germany, Shanghai, PR China, Nov. 12, 2013 – [Celanese Corporation](#) (NYSE: CE), a global technology and specialty materials company, was named the Oil & Gas Awards [2013 West Coast Manufacturer of the Year](#) for a new composite pressure pipe that features [Celstran[®] CFR-TP](#).

As one of 48 [West Coast](#) finalists, Celanese was chosen by the 2013 Oil & Gas Awards [judges](#) for the innovative [Fiberflex[®]-11](#) composite pressure pipe that uses Celstran continuous fiber reinforced thermoplastic composites (CFR-TP). The lightweight pressure pipe system is manufactured by [Composite Fluid Transfer LLC](#) of Kilgore, Texas, with multiple options for robust connections and is designed for general water transport infrastructure applications.

Michael Ruby, global composites business manager of Celanese, [accepted the award](#) during the [Oil & Gas Awards](#) — West Coast regional award gala dinner on Oct. 24 at the Marriott at the Convention Center in Bakersfield, Calif.

In naming Celanese as Manufacturer of the Year, the Oil & Gas Awards judges commented: “Of all these products, none of them can compare to a 30’ flowback line that 2 men can carry. This would eliminate the need for a crane or other equipment to move the piping on site.”

“Hydraulic Fracturing plays such an important role in the Oil & Gas market. Celanese has created new piping systems that are easier and safer to handle. The new products have helped to decrease material and installation costs providing huge savings for companies.”

The composite pressure pipe, which won a prestigious Innovation Award in the “Pipes & Water Management” category on Oct. 2 during the JEC Americas 2013 in Boston, incorporates Celstran CFR-TP continuous fiberglass reinforced high-density polyethylene (HDPE) thermoplastic composite tape. It is wound around a specially designed, extruded thin-wall HDPE thermoplastic liner and heat consolidated by a proprietary process developed by Composite Fluid Transfer. The pipe construction adds an outside layer of HDPE film manufactured by Valéron Strength Films to protect the system from both ultra-violet and abrasion damage.

At 4.26 pounds per foot, the Fiberflex-11 pipe is lighter than comparable diameter and pressure rated composite and plastic pipe. Two people in the field can easily lift and carry the pipe, which avoids the high cost of using large unloading equipment, increases safety and minimizes work site damage and reclamation costs. A 30-foot section weighs only 128 pounds vs. the same length of 12-inch HDPE SDR 9 pipe that weighs 655 pounds, making it 80 percent lighter. The Fiberflex-11 pipe system also offers several robust coupling/connector options, including a two-bolt patent-pending quick coupling design.

Composite Fluid Transfer’s Fiberflex-11 pipe — 10.5-inch inner diameter, 11.1-inch outer diameter pipe rated at a 250 pounds per square inch operating pressure — is specifically designed for general water transport infrastructure, including distribution systems, oil and gas operations, hydraulic fracturing feed water and produced water, large irrigation systems, tank farm operations and dewatering systems. A key strength is the adaptability of the product to meet fluid transfer market demands outside of the oil and gas industry.

It can easily be altered to operate at higher pressures, in tougher environments, at higher temperatures, with larger diameters, and with any type of piping system connections. For example, the burst pressure of the finished pipe can be increased as necessary from the current design, which delivers a burst pressure of 500 pounds per square inch (psi) by varying the number of layers of Celstran CFR-TP tape consolidated on to the thin wall HDPE pipe liner. The flexibility of the product and supporting process innovation allows for a continuous evolution of the piping solution to meet an ever-expanding set of market and application requirements.

Celanese was just one of 10 companies to be named a finalist in the Southwest, Midcontinent and West Coast Oil & Gas Awards regions, which annually recognize the outstanding achievements made within the upstream and midstream sectors of the Oil & Gas Industry. The awards are a platform for the industry to demonstrate and celebrate the advances made in the key areas of corporate social responsibility, the environment and health and safety

About Celanese

Celanese Corporation is a global technology leader in the production of differentiated chemistry solutions and specialty materials used in most major industries and consumer applications. With sales almost equally divided between North America, Europe and Asia, the company uses the full breadth of its global chemistry, technology and business expertise to create value for customers and the corporation. Celanese partners with customers to solve their most critical needs while making a positive impact on its communities and the world. Based in Dallas, Texas, Celanese employs approximately 7,600 employees worldwide and had 2012 net sales of \$6.4 billion. For more information about Celanese Corporation and its product offerings, visit www.celanese.com or our blog at www.celaneseblog.com.

About Composite Fluid Transfer LLC

Composite Fluid Transfer, LLC has manufacturing operations at Synergy Park of Kilgore, Texas. For more information regarding Composite Fluid Transfer or composite pipe products, contact Chris Taylor at 406-565-7053.

About Valéron Strength Films

Valéron Strength Films, with locations in Houston (TX), Essen (Belgium) and Shanghai (China), is the single source supplier of Valéron® film, a unique cross-laminated, flexible specialty film with unique mechanical properties that can be found in a number of very demanding applications worldwide such as construction, specialty packaging and print media. Valéron Strength Films is a Division of Illinois Tool Works Inc. (NYSE: ITW), a Fortune 200 company based in Glenview, IL with net sales of \$17 billion USD and more than 65,000 employees worldwide. For more information, please visit our website: www.valeron.com.

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Fiberflex® is a registered trademark owned by Composite Fluid Transfer LLC.

Valéron® is a registered trademark owned by Valéron Strength Films division of Illinois Tool Works Corporation.

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Forward-Looking Statements

This release may contain "forward-looking statements," which include information concerning the company's plans, objectives, goals, strategies, future revenues or performance, capital expenditures, financing needs and other information that is not historical information. When used in this release, the words "outlook," "forecast," "estimates," "expects," "anticipates," "projects," "plans," "intends," "believes," and variations of such words or similar expressions are intended to identify forward-looking statements. All forward-looking statements are based upon current expectations and beliefs and various assumptions. There can be no assurance that the company will realize these expectations or that these beliefs will prove correct. There are a number of risks and uncertainties that could cause actual results to differ materially from the forward-looking statements contained in this release. Numerous factors, many of which are beyond the company's control, could cause actual results to differ materially from those expressed as forward-looking statements. These factors include the inability to obtain regulatory approvals of the transaction and satisfy conditions on the proposed terms and schedule and the possibility that the transaction does not close. Other risk factors include those that are discussed in the company's filings with the Securities and Exchange Commission. Any forward-looking statement speaks only as of the date on which it is made, and the company undertakes no obligation to update any forward-looking statements to reflect events or circumstances after the date on which it is made or to reflect the occurrence of anticipated or unanticipated events or circumstances.

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2013 Oil & Gas Award Winner — Innovative Fiberflex[®]-11 pipe from Composite Fluid Transfer incorporates Celstran[®] CFR-TP continuous fiberglass reinforced high-density polyethylene (HDPE) thermoplastic composite tape from Celanese, which is wound around and heat consolidated to a specially designed, extruded thin-wall HDPE thermoplastic liner.



Lighter With Robust Options — A 30-foot section of Fiberflex[®]-11 pipe that features Celstran[®] continuous fiber reinforced thermoplastic composites (CFR-TP) weighs only 128 pounds vs. the same length of 12-inch HDPE SDR 9 pipe that weighs 655 pounds. The pipe system offers several robust coupling/connector options, including a two-bolt patent-pending quick coupling design.



Easy to Lift — Two people in the field can easily lift and carry a 30-foot section of Fiberflex[®]-11 pipe that features Celstran[®] continuous fiber reinforced thermoplastic composites (CFR-TP) from Celanese.