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News Release

FOR IMMEDIATE RELEASE

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Fluid Quip Technologies' Flint Hills Resources Project Named Ethanol Producer Project of the Year

Cedar Rapids, Iowa – Ethanol Producer Magazine recently named its 2019 Project of the Year award to the Fluid Quip Technologies' Maximized Stillage Co-Products (MSC™) installation at Flint Hills Resources Fairmont Nebraska facility.

The project transformed the Flint Hills facility with the largest co-product technology system in the ethanol industry, creating a new revenue stream for the plant. MSC™ technology produces high-value protein animal feed from a portion of the distillers grains produced during the ethanol production process. Flint Hills Resources branded the 50% protein product NexPro™ and has already begun marketing the product worldwide.

“The MSC™ project at Flint hills in Fairmont, NE is exactly what a project of the year should be; this technology has been a game changer in the biofuels industry, transforming ethanol facilities into revenue machines with a \$.10-.20 /Gal uplift on EBITDA. The Fairmont project has also been the largest single co-product technology bolt on project ever completed in the ethanol space”, says Neal Jakel, VP Strategy and Development, Fluid Quip Technologies. Jakel continued, “We are very proud of what our team has produced here and with the partnership we have begun with the FHR team; not only as a plant producer of the 50% protein product, but also as one of our preferred marketers of the protein for other facilities as they come online.”

The unique properties of the MSC protein make it an excellent ingredient for aquaculture, pet food, and poultry. The first FQT MSC system began commercial operations in 2009 and many years of development work has been completed on the product and markets. Flint Hills Resources has contracted with Fluid Quip Technologies to provide a second MSC system at the Flint Hills Resources Shell Rock facility to increase production of protein and improve plant margins.



About Fluid Quip Technologies

Fluid Quip Technologies is a premier process engineering and technology development firm headquartered in Cedar Rapids, Iowa. FQT has provided technologies for more than 2.1 billion gallons per year of biofuels production worldwide. The engineering and technical leadership team have been developing and implementing new technologies and process solutions applicable to the biofuels and biochemical markets for more than 30 years. FQT provides fully integrated solutions and services to dry-grind ethanol and biochemical facilities which include green field plant design, process optimization, yield improvement technologies, new co-product technologies, and turn-key capital project solutions.

About Flint Hills Resources

Flint Hills Resources, LLC, through its subsidiaries, is a leading refining, chemicals and biofuels company with operations primarily in the Midwest and Texas. Its manufacturing capability is built upon six decades of refining experience, and the company has expanded its operations through capital projects and acquisitions worth more than \$11 billion since 2002. Flint Hills Resources' subsidiaries produce and market gasoline, diesel, jet fuel, asphalt, ethanol, biodiesel, liquefied natural gas, olefins, polymers, intermediate chemicals, as well as base oils, corn oil and dried distillers grain.

Flint Hills Resources operates ethanol plants in Arthur, Fairbank, Iowa Falls, Menlo and Shell Rock, Iowa, Fairmont, Nebraska, and Camilla, Georgia. The plants have a combined annual capacity of 820 million gallons of ethanol.

The refining business operates refineries in Minnesota (Rosemount) and Texas (Corpus Christi), with a combined crude oil processing capacity of more than 600,000 barrels per day. The petrochemical business includes production facilities in Illinois and Texas. The asphalt business produces and markets product in the Midwest. A subsidiary owns an interest in a lubricants base oil facility in Louisiana.

The company is based in Wichita, Kansas, and its nearly 4,900 employees strive to create value for customers and society. More information about the company is available at FHR.com.

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