EPA Approves Little Sioux Corn Processors for Cellulosic Ethanol using Edeniq’s Technology

Little Sioux Corn Processors is the third Edeniq customer plant to receive an EPA cellulosic ethanol registration

VISALIA, Calif. January 25, 2017 – Edeniq, Inc., a leading cellulosic and biorefining technology company, and Archer Daniels Midland Company (“ADM”) today announced that the U.S. Environmental Protection Agency (“EPA”) has approved Little Sioux Corn Processors’ (“Little Sioux”) registration of its 150 million gallon per year Marcus, Iowa, ethanol plant for cellulosic ethanol production. Under the terms of its license agreements with ADM and Little Sioux, Edeniq uses its Pathway Technology to measure the amount of cellulosic ethanol produced, and provides the required information to register for D3 cellulosic RINs with the EPA.

Little Sioux is the third plant to receive a cellulosic ethanol registration from the EPA after deploying Edeniq’s Pathway Technology. The plant uses ADM’s Clintozyme™ enzyme to convert lower value corn fiber, which is typically sold as a feed ingredient, into higher value fuel ethanol through an enzymatic process. Registered plants can access D3 RINS, which are worth over $2.50 per gallon in 2017.

“Our customers are at the forefront of cellulosic biofuel production in the United States,” said Brian Thome, President and CEO of Edeniq. “And thanks to the efforts by the EPA in their approval process, our customers are now receiving registration approvals in a shorter time frame, allowing them to generate value from our technology more quickly.”

“We have been able to demonstrate that ADM’s Clintozyme enzyme can provide improved economics and higher yields for ethanol producers, and we are pleased that Little Sioux is now able to take advantage of this technology,” said Del Cahill, general manager, BioAdvantaged Products at ADM.

Steve Roe, Little Sioux’s General Manager, stated “We trialed ADM’s Clintozyme cellulase enzyme to increase our ethanol and corn oil yield. We saw positive overall corn to ethanol conversion rates, increased corn oil yields, lower btu’s per gallon, and decreased fouling of piping and evaporator equipment. When we accessed the Edeniq Pathway Technology through the license, Edeniq put the pieces together to allow us to produce D3 RINs, thereby increasing shareholder value.”

“Our team is adding resources to move plants through commercial validation trials and the EPA registration process as quickly as possible, as the current customer backlog has now grown to more than 15 plants,” said Cam Cast, Chief Operating Officer of Edeniq. “These resources will also help us continue to offer the highest level of support to our existing customers, including Little Sioux. We would like to thank the EPA, Little Sioux and ADM teams for their ongoing partnership.”
Edeniq’s Pathway Technology is the lowest-cost solution for producing and measuring cellulosic ethanol from corn kernel fiber utilizing existing fermenters at corn ethanol plants and has produced up to 2.5% cellulosic ethanol, up to a 7% increase in overall ethanol yield, and additional corn oil recovery. Edeniq is the leader in developing analytical methods to quantify cellulosic ethanol co-produced with conventional ethanol. Edeniq’s EPA approved validation and turnkey registration process provide a solution for generating D3 RINs and other regulatory credits associated with cellulosic ethanol.

**About Edeniq, Inc.**

Edeniq has developed leading processes for producing low-cost cellulosic sugars and cellulosic ethanol. Edeniq’s capital light and operationally efficient solutions can be easily integrated into existing biorefineries that produce ethanol, other biofuels, biochemicals, and/or bio-based products. Edeniq currently sells or licenses its technologies to biorefineries in the United States. Edeniq was founded in 2008 and is headquartered in Visalia, California with a field office in Omaha, Nebraska. More information can be found at [www.edeniq.com](http://www.edeniq.com).

**About ADM**

For more than a century, the people of Archer Daniels Midland Company (NYSE: ADM) have transformed crops into products that serve the vital needs of a growing world. Today, we’re one of the world’s largest agricultural processors and food ingredient providers, with more than 32,300 employees serving customers in more than 160 countries. With a global value chain that includes 428 crop procurement locations, 280 ingredient manufacturing facilities, 39 innovation centers and the world’s premier crop transportation network, we connect the harvest to the home, making products for food, animal feed, industrial and energy uses. Learn more at [www.adm.com](http://www.adm.com)