

CBM water treatment plant reduces treatment cost by half

ANAHEIM, Calif. and GILLETTE - Catalyx Fluid Solutions division has announced its first plant for Yates Petroleum Corp. to treat discharge water from coal bed methane (CBM) wells has begun production after successfully passing the Wyoming Department of Environmental Quality (DEQ) water quality tests.

Located near Gillette, the plant employs a new proprietary ion-exchange technology that the company claims will clean the water more cost efficiently and with less waste byproduct than other existing methods.

The multi-million dollar plant is the first of three phases and part of a five-year, \$20-22 million contract with Yates. It currently has a capacity to treat 30,000 barrels per day (BPD) of coal bed water and can be operated continuously at 120 percent of capacity.

"The high level of sodium and other contaminants in the water discharged from CBM production is a major environmental issue that has stymied CBM production in many areas," said Juzer Jangbarwala, CTO of RG Global, parent company of Catalyx Fluid Solutions (CFS). "We are extremely pleased to report that the CFS water treatment plant is producing water which is completely safe for irrigation and discharge into nearby bodies of water."

The plant uses a patent-pending technology to reduce treatment costs by more than 50 percent. Tests are being conducted on a crystallization process from the saturated waste to completely eliminate waste discharge from the plant, and produce a usable commodity (sodium sulfate) from the treatment system's waste and used in paper making, detergent, dye, paint filling, metal smelting, glass industry, leather manufacturing, as well as energy storing and conserving materials etc.

The plant removes sodium, barium, iron and other inorganic contaminants present in the water that is extracted from the coal beds underground. Its automated 24/7 monitoring system enables instantaneous adjustments in water treatment in response to changes in the water content to ensure that the final discharge water meets standard requirements at all times.

"We expect that the major cost reduction afforded by the CFS water treatment technology will help make it economically viable to harvest the vast clean-burning CBM resources domestically and help reduce our dependence on foreign energy," Jangbarwala stated. "Additionally, we anticipate that the treated discharge water will come to be viewed as a valuable resource as it is put to use in a wide variety of applications."

RG Global Lifestyles Inc. develops and markets technologies for water purification and wastewater treatment. RG also manufactures OC Energy brand energy drinks that boast a proprietary energy pack, natural vitamins and low sugar levels to intensify alertness without the typical crash. RG's Aquair atmospheric water generators produce purified water from air -- the ideal solution for military troops, disaster and drought-stricken areas and situations where drinkable water isn't easily accessible. For more information, visit <http://www.rgglife.com>.