



# NEWS RELEASE

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**FOR IMMEDIATE RELEASE**

## **Envirogen Starts Up Odor Control System for Fort Smith, Arkansas Wastewater Operation**

**Custom-designed, 'green' system delivers >99% removal efficiencies of H<sub>2</sub>S at low  
lifecycle cost**

**Kingwood, TX, 11 July 2011** -- Envirogen Technologies, Inc. (Envirogen) announced today that it has started up an odor control system for the City of Fort Smith, Arkansas that will remove hydrogen sulfide (H<sub>2</sub>S) and other odor-causing compounds from air at the city's P-Street wastewater facility. The new system consists of a single chamber biofilter and will remove more than 99% of average inlet concentrations of H<sub>2</sub>S and 90% of other organic reduced sulfur compounds. The system is designed to handle up to 12,000 cubic feet per minute (cfm) of air from the facility's influent pub station, pretreatment system, bioselector and inlet channels. The Fort Smith installation is another example of Envirogen's 'green' biological treatment technology for odor control that is becoming the option of choice across the United States from small to very large requirements. It will be Envirogen's first biofilter installation in the State of Arkansas.

According to Robert Stark, Vice President of Envirogen's Southern Region, the new system highlights the company's approach to custom-designed technology solutions that deliver the greatest performance efficiencies at the lowest lifecycle cost. "Our biofiltration technology is an innovative, versatile alternative for achieving a wide range of treatment goals at significantly lower lifecycle costs than common chemical treatment options," Stark said. "Biological filtration has gaining widespread acceptance as a 'green' choice for odor control at municipal wastewater operations, and Envirogen plans to continue operating at its forefront by implementing our advanced technology in combination with expert process engineering and support services," he

stated. "Whatever the system requires to meet customer specifications is what we put into it. Of course, our design focus always remains the same: delivering reliable, long-term treatment at the lowest possible operating costs," he added.

The new odor control system handles peak H<sub>2</sub>S concentrations of 20 parts per million by volume (ppmv) at an air flow rate of up to 12,000 cubic feet per meter (cfm). The system's design basis calls for >99% removal of H<sub>2</sub>S to be guaranteed by Envirogen, a typical performance standard for the company's biofilter product line. It also calls for 90% removal of organic reduced sulfur compounds and an outlet odor concentration not to exceed 300 D/T. D/T - the "Dilution-to-Threshold" ratio - is a measure of the number of dilutions needed to make the odorous ambient air "non-detectable". Envirogen has also provided field service to support installation, start-up, testing and operator training for the system. The company worked with its rep group, Environmental Technical Sales, Inc. (ETEC) (Baton Rouge, LA) in developing the installation proposal for the Fort Smith. ETEC is Envirogen's representative in the Louisiana, Mississippi, Arkansas and Western Tennessee markets. The company has over sixteen years of experience involving municipal water & wastewater projects, as well as specific industrial experience in pulp and paper, petrochemical, and poultry processing facilities.

According to Stark, Envirogen's line of odor control technologies offers a practical, economical and environmentally sustainable approach to odor control and VOC treatment, sized to meet the specific needs of any application. "From high to low flow applications and high to moderate concentrations of H<sub>2</sub>S, we have proven technologies and systems experience to handle it all," Stark explained. "Our biofilter systems utilize a proven, innovative 'green' approach to odor control, and we back up all our systems with custom design know-how and performance guarantees. We're confident these systems will provide our customers with years of dependable service at a low lifecycle cost," he concluded. For more information, visit [www.envirogen.com](http://www.envirogen.com).

#### **About Envirogen Technologies, Inc.**

Headquartered in the Houston suburb of Kingwood, Texas, Envirogen is a technology+services solutions provider that designs, builds and implements systems for business in municipal and industrial water and environmental treatment applications. A primary focus for Envirogen is the concept of 'lifecycle performance,' in which the company provides guaranteed, pay-for-performance, long-term contracts at predictable costs that offer customers the lowest total cost over the lifetime of an equipment installation. Primary applications for Envirogen's systems include treatment of groundwater for the delivery of high-quality potable water, groundwater remediation, wastewater treatment, water re-use, nutrient removal, and odor and VOC control for municipal and industrial markets. In industrial markets such as mining, hydrocarbon processing and chemical processing, Envirogen also specializes in process water treatment, byproduct recovery and chemical purification. The company conducts business throughout the United States, with regional offices in Southern California, Illinois, New Jersey and Tennessee. For more information on the company, visit [www.envirogen.com](http://www.envirogen.com).

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