



## **Geomembrane Technologies Inc.**

### Biogas Recovery Provides Energy to Replace Natural Gas

(Fredericton, NB, August 17, 2009) Energy recovery is the main focus of a GTI project underway for Thai Beverage Energy Co., Ltd, Thailand. GTI Gas Collection covers are being used to capture biogas from the anaerobic digestion of waste streams at various plants around the country. The biogas is utilized in factory boilers for process heat as a substitute for natural gas and fuel oil, saving considerable costs on energy as well as providing a payback on the waste treatment system.

The cover systems include special features to provide adequate biogas withdrawal, such as floating beams installed directly into the tanks at strategic points.

Each of the five plants, located across the country in Burirum, Ubon Ratchathani, Khon Kaen, Prachin Buri and Surat Thani, will treat up to 600 m<sup>3</sup>/d (158,000 gal/d) of wastewater from ethanol distilleries. Approximately 50 percent of the energy in the biogas produced is sufficient to power the boilers at the distillery, displacing the reliance on petroleum fuel oil. Investigations are underway regarding generating electricity with the remainder of the biogas energy.

The cover system is part of proprietary equipment and engineering support for anaerobic reactors with biogas recovery and utilization. The new anaerobic facilities treat the wastewater and convert the remaining degradable organic components to biogas as an energy source to displace fossil fuels.

GTI tackles challenging energy recovery projects around the world. Since 1979 innovative designs have made Geomembrane Technologies one of the world's leading companies offering custom-designed geomembrane covers. GTI designs, fabricates, installs and maintains complete cover systems for sites around the world. Projects include floating, modular, suspended, structurally supported, and gas handling systems for municipal and industrial wastewater treatment plants. GTI also offers potable water covers.

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This press release is available on-line at: [www.gticovers.com](http://www.gticovers.com)

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