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TSX Venture Exchange symbol: FOX

Pembina Pipeline Corporation Uses FT System on Major Synthetic Crude Pipeline
Large Alberta Oil Sands Pipeline Monitored Remotely with Advanced Fiber Optic Sensors

TORONTO, Ontario (June 24, 2008) – Fiber Optic Systems Technology, Inc. (“FOX-TEK”), (TSX-V: FOX), a developer and manufacturer of patented non-intrusive sensing systems, today announced the sale and installation of a pipeline strain remote monitoring system to Pembina Pipeline Corporation.

Two FT3415 remote monitoring systems, with solar power and satellite communications, will measure bending strain near a major river crossing. Data gathered on a daily basis will help assure Pembina of the pipeline’s structural integrity in an area prone to ground movement. The remote data acquisition system is essential, as the locations being monitored are not readily accessible by ground.

A Pembina company spokesperson said “The Syncrude Pipeline carries synthetic crude oil from the Ft. McMurray oil sands south to refineries and export pipeline terminals near Edmonton. We’ll be using the FT System year round to continuously report any abnormal strains to the pipeline that result from the early stages of soil movement. We recognize the importance of taking extra steps to protect the environment, and also assure the flow of oil. These FT systems are one example of how Pembina insures that our extensive network of pipelines, oil sands infrastructure, and midstream business delivers an integral service to the Western Canadian energy industry.”

Dr. Essam Zaghoul, FOX-TEK president and CEO, added “With this sale to Pembina, we welcome another new client that recognizes how monitoring with our fiber optic sensor systems adds value to their operations. With our data centre providing regular analysis reports to Pembina, we look forward to strongly supporting Pembina’s integrity management program.”

About FOX-TEK:

Fiber Optic Systems Technology, Inc. "FOX-TEK" sells non-intrusive asset health monitoring sensor systems for the oil and gas and other industries. These systems allow operators to monitor asset integrity, thereby improving safety, environmental performance, reliability, and efficiency.

FOX-TEK has offices in Toronto, ON, Calgary, AB, Houston, TX, and Al-Khobar, Saudi Arabia. FOX-TEK is traded on the TSX Venture Exchange under the symbol “FOX”. For more information, visit www.fox-tek.com.

This press release contains forward-looking statements based on assumptions, uncertainties and management's best estimates of future events. Actual results may differ materially from those currently anticipated. Investors are cautioned that such forward-looking statements involve risks and uncertainties. Important factors that could cause actual results to differ materially from those expressed or implied by such forward-looking statements are detailed from time to time in FOX-TEK's periodic reports filed with the Ontario Securities Commission and other regulatory authorities. FOX-TEK has no intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of this press release.

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