

Press release

Anaerobic processes finally controlled with field-proven AnaSense technology

Nazareth, Belgium, Octobre 29th 2003 – AppliTek is introducing an economical, maintenance-friendly, easy-to-operate alternative to the use of GC analysis in controlling your anaerobic wastewater process. The **AnaSense**® on-line analyzer has been developed during the Telemac European project, and measures continuously following important parameters - in order to control the anaerobic digester and to increase the organic loading rate of the digester – Volatile Fatty Acids (VFA), Bicarbonates and Alkalinities in anaerobic wastewater. Especially the VFA concentration is extremely important for control purposes. Bicarbonates and alkalinities provide extra information about the anaerobic process if needed.

Since VFA is conventionally measured in laboratory by using GC analysis that is rather time consuming, and needing highly qualified personnel, this new type of analyzer comes as a real gift to the anaerobic market. Since the anaerobic digestion process is known to be very complex and difficult to control, this new type of analyser will enable you to better control your process.

The technology and measuring algorithms which are embedded in the **AnaSense**® were developed by AppliTek, thereby using know-how from a French Research Institute INRA, and other university partners. **AnaSense**® was thoroughly tested on different types of wastewater and benchmarked with conventional GC results. This benchmarking - executed by a independent laboratory - yielded positive results leading to the conclusion that **AnaSense**® was an excellent cost-effective alternative to provide real-time data about the ongoing digestion process.

AnaSense® can be operated in an on-line mode generating analysis results every 8 minutes. It features touchscreen, all necessary programmable outputs and alarms, and a rugged design suited for harsh on-line conditions. Alternatively, the laboratory version of the **AnaSense**® can be used in the customers' laboratory to measure VFA, Bicarbonates, Total & Partial alkalinity, as an alternative to using a GC.

Visit www.applitek.com for more information.