TÜV CERT
DIN EN ISO 9001:2000
Zertifikat: 01 100 5122

• Toxicity determination

Fig. 2 shows the measured data screen of **NitritoxMonitor** with a 24h-profile of the influent of a municipal treatment plant. The upper part of the screen shows a toxicity "spike" caused by industrial sewage. Over the period of the "spike", the nitrifying bacteria will consume a reduced amount of oxygen due to them being inhibited by the toxic substances in the test sample.

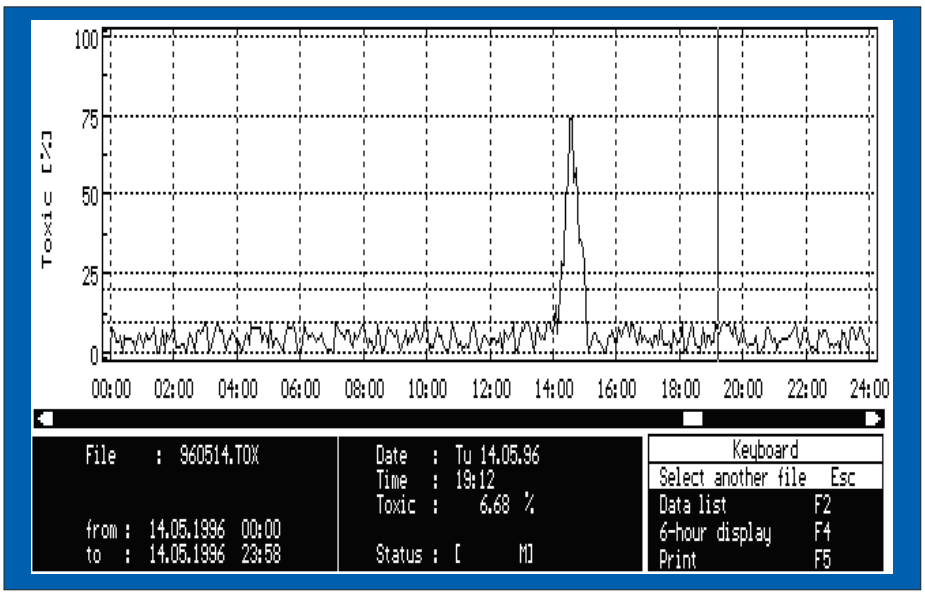

Fig.2: NitritoxMonitor detects toxicity "spikes" at the influent of a WWTP

By using the alarm function of **NitritoxMonitor** the WWTP has the opportunity to divert the toxic sewage water from the treatment process. With **NitritoxMonitor** it is possible to protect the nitrification process of a biological waste water treatment plant from specific damage.

• NitritoxMonitor makes on-line toxicity measurement simple

Self-explanatory software supports every available function, from adjusting the analyzer to further processing of the measured values. Result data can be read from the high resolution display or can be transferred via Disk to PC/office network for further processing.

The operation manual is integrated into the software. Thereby, the user may review even infrequently required information directly at the instrument, anytime. The internal data bank stores the measured values of the last 30 days in memory and 90 days on disk - even after a power loss.

All these features result in an easy to operate analyser with low maintenance .

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• Reliable technique

NitritoxMonitor is based on the concept proven in the Monitor series by LAR, which is shown in their ease of operation and maintenance.

Fig. 3: Inside the NitritoxMonitor

Unhygienic maintenance works for example caused by blockages do not occur due to the use of large bore tubing and the patented sampling system "FlowSampler" which works on the principle of mass inertia. This simple principle effectively removes any large particles.

• Advantages of this construction principle

▶ clog free sample preparation

▶ simple accessibility

▶ low maintenance

by simple design and robust construction

▶ high reliability

by autostart function even after a power failure

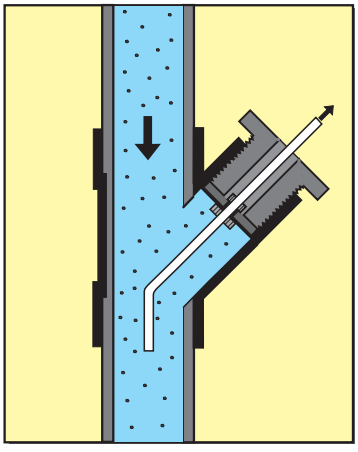

Fig. 4: The patented, clog free sample preparation system "FlowSampler"