

Monitoring VOCs in Wastewater in an ATEX 2 Environment

Sector: Wastewater

Application: Monitoring wastewater coming into a treatment plant to detect explosive levels of VOCs from surface runoff.

Customer: Wastewater plant, N. UK.

Installation date: 2014

Problem: High levels of petroleum were detected in the wastewater coming to the plant which were potentially of a level which could cause explosion

Product

MS1200-ATEX, 4-20mA output, alert output.

Installation Facts

The MS1200-ATEX is a version of the MS1200 certified to ATEX 2 level. The sample is taken from above the channel via a pipe without any sampling tank. The drain is an open channel and the instrument provides an alarm, triggering audio and visual alarms, when VOC levels higher than those set by the client are detected. Additionally this system has a high level flow protection where, in the case of the inlet water being very high, it switches automatically to an alternative intake above the raised water level.



Unit installed in a wastewater plant in Scotland to detect high levels of VOCs