

Monitoring VOCs in Wastewater in an ATEX 2 Environment

APPLICATION

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

CUSTOMER

Wastewater plant, UK.

PROBLEM

Waste Water entering a treatment lant is a combination of domestic and commercial waste water and surface run off. All of these could have high levels of fuel in them, but particularly during high rainfall washes fuels into drains.

These high levels have the potential to produce explosive gases withing the enclosed screen building.

PRODUCT

MS1200-ATEX, 4-20 mA output, audible and visual alert output.

WHY MULTISENSOR?

The customer needed a contactless system with ATEX 2 certification.

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.

Learn more on the new oil in water monitor and analyser by clicking on the image



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