

PRESS RELEASE

It's time to stop crying over spilt milk!



Product spills both large and small are a fact of life in dairy factories and local milk treatment plants. However, these spills are now becoming even more difficult to detect because of the recent trend of reducing the number of plant operators employed in wet areas of dairies. A factor common to many local milk treatment plants is that few have their own wastewater treatment plants, relying on the local municipal wastewater treatment plant to clean up their plant waste, which is very expensive for the producer.

Lost product in a typical spill averages from 10,000 to 40,000 litres

Classic Technology's MD Patrick Kinsella says that until recently, with no easy way of being alerted to spills, many plants resort to "*the solution to pollution is dilution*" method. "In this scenario 'identified' product spills are washed down the drain with large volumes of water to dilute the waste. If the

spill is identified quickly all this does is remove the peaks from the Wastewater Biochemical Oxygen Demand (BOD) charges.

However, as the time from the start of the spill to the time of detection is often unknown, it is not always possible to know how much product has already been discharged to the drain. At best this is a hit and miss solution to an urgent problem and does nothing to eliminate future product losses and associated clean up costs.”

There is a simple solution to the prevention of product loss

The LTH MXD75 Suspended Solids Monitor and associated S20 Immersion Sensor can immediately identify when milk products have been discharged to the drain. The S20 immersion sensor uses proven Quadbeam™ Technology, which compensates both for changes due to ageing of the optical components and also build-up on the sensor’s surface.



The sensors can be mounted in a guard assembly in the bottom of the drain with the sensor guard fingers resting on the bottom of the drain. The sensor is connected via a 10m connection cable to a MXD75 Transmitter which provides a proportional 4 to 20 mA current output signal that is usually connected to a DCS or PLC system. Once the milk spill in the drain has been detected by the sensor, the operator will see an audio / visual alarm “pop up” on the PLC screen that will allow him to identify and correct the spill before any significant amount of milk has been discharged.

By using the MXD75 and the S20 Immersion sensor, product losses are minimised and the high BOD/ Total Suspended Solids (TSS) charges are eliminated. Once operators know that product loss monitors are installed in the drains, the late Saturday night “accidental discharges can then be eliminated and the waste milk is instead sent to product recovery, again increasing productivity.

Does it all sound too simple!

- The LTH MXD75 Suspended Solids Monitor is simple to install
- The system pays for itself many times over the first time that it detects a product spill
- Almost every Dairy Factory in NZ has at least one, with many having 6 to 12 sensors
- There are also approximately 100 sensors in use in US milk processing plants

Remember what that last spill cost you and then decide if the relatively small cost of a LTH MXD75 Suspended Solids Monitor and LTH S20 Series Immersion Sensor would be a cost effective purchase for your company?

Classic Technology

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Classic Technology, operates Ireland's only UKAS calibration laboratory for Pressure, Temperature, Electrical and Mass calibration. Classic's dedicated state-of-the-art laboratory audited to ISO 17025:2005 and based in Naas, Co. Kildare, is delivering the widest range of capability in the country. So we really do have the measure of you.

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