

WWM™ Application example: Effluent Consent Monitoring for Major Snack Food Company



Project – Accurate wastewater flow measurement and sampling for trade effluent consent license requirements

Overview:

This application covers the distribution centre of a world-famous snack food company where its fleet of Lorries are washed on a daily basis. The company's factory and distribution centre are on the same site but separated into two areas. Before water deregulation in April 2017, the water bills for the whole site were paid for by the factory. However, the distribution centre is now required to pay their own trade effluent bill from April 2017 and have applied for their trade effluent consent license. To comply with the license conditions the company was required to install wastewater flow measurement and trade effluent sampling. One of the major water consumption points is the lorry wash point. The effluent discharge from the lorry wash goes down into a 6-inch gravity sewer pipe.



Before installing the WWM™ WasteWater Meter, the maximum volume of trade effluent discharge was estimated. The customer was concerned that they would exceed the maximum consented discharge without knowing the actual amount of effluent discharged and thereby receive fines / penalties or be paying too much. A complete trade effluent monitoring solution was delivered for the customer including a WWM™ and a flow-proportional auto sampling system triggered by the WWM™. The solution gave the client automatic waste water meter reading and remote access to data via a web portal.

Result

Having monitored the trade effluent flow for four months, the data from the WWM™ showed that the maximum daily discharge had exceeded their previous estimates. This information enabled them to avoid fines for non-compliance with the consent. The customer is now able to re-evaluate its daily consumption and submit accurate readings for charges.

This case study is now recommended by the client throughout their group and the Midlands based governing water company as best practice for trade effluent monitoring and effluent sampling.

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To arrange a no obligation survey and evaluation.