

Dairy lagoon waste

Metering farm waste discharges is becoming an increasingly important endeavour. Due to State and Federal discharge laws, animal waste from farm enterprises such as dairies; hog farms and slaughter houses must be measured as critical information is needed on the amount of waste entering settling ponds and also being re-used for irrigation.

The MACE AgriFlo XCI is ideally suited for metering animal waste. A MACE Doppler ultrasonic sensor provides little obstruction to the flow and is impervious to the often greasy build-ups that can coat the electrodes of electromagnetic flow meters. If solid build-ups occur in the pipe, the patented MACE insertion sensor can easily be removed (via a ball valve) for cleaning without the need to shut down the line. Conventional metering methods such as electromagnetic or mechanical require the shut-down of the process line, as these types of meters are often flanged and must be completely removed for service.

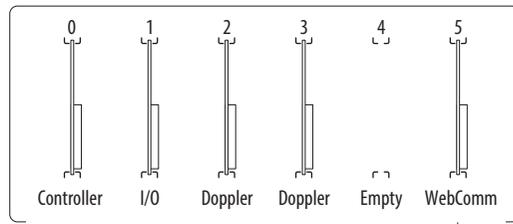
With the added advantage of being able to monitor multiple sensors, the same MACE AgriFlo XCI unit can be used to measure both inflows from the waste source and at the same time, monitor the re-use of the waste after mixing with irrigation water. Furthermore, with an Input/ Output card, water quality sensors can also be connected and the nutrient levels in the effluent/water mix can be measured to fulfil additional environmental recording requirements. With a MACE WebComm card installed, these readings are available 24/7 on the MACE website, as well as having the ability to be alarmed via SMS/email to any mobile phone.



AGRIFLO XCI



CARD SLOT CONFIGURATION



SENSORS/PERIPHERALS

