



SANITARY BY DESIGN

ANDERSON-NEGELE

Application Bulletin

COW water monitoring with an ITM-4

The Application

COW (condensate of whey) water that is re-used in a dairy plant has a turbidity meter installed in the piping before the water is sent to a storage tank.

The Requirements

When COW water is re-used in a plant, PMO regulations require that a turbidity meter monitor the water that is used and that the turbidity measures less than 5 NTU.

The Anderson Solution

Prior to discharge into the re-use water storage tank an ITM-4 monitors the water turbidity. When the measured turbidity exceeds the 5 NTU limit, the ITM-4 sends a signal to connected controls which will divert the out of spec water to drain preventing contamination of the stored water.

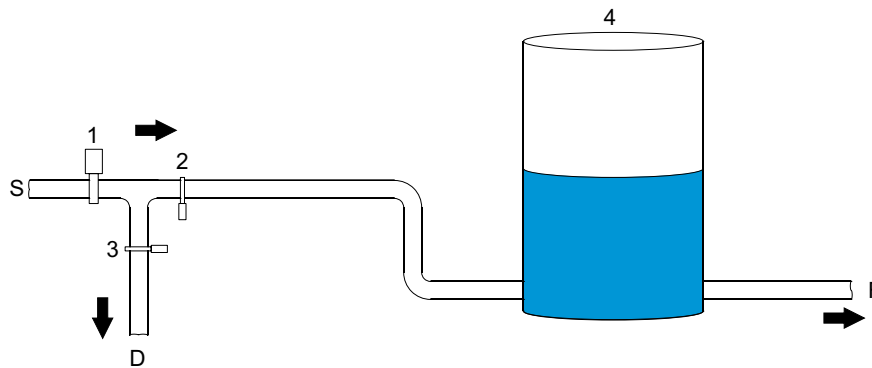
ITM-4



The Anderson Advantage

- LED lamp technology provides significantly longer life than other illumination methods
- Four-beam technology offers continuous compensation for lense fouling reducing the need to service optics
- Integral switched output reduces the complexity of integration into a plant process by controlling the output to a user programmable set point of 5 NTU.

Application Drawing



S SUPPLY FROM CONDENSATE RECLAMATION SYSTEM
 D TO DRAIN
 F WATER OUT TO CIP FLUSH, BOILER FEED

- 1 ITM-4
- 2 FORWARD FLOW VALVE
- 3 DRAIN VALVE
- 4 RE-USE WATER STORAGE

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