



Water Industry Operators Association of Australia

Submission of Abstract

Platform or Poster: Platform Paper

Title of Abstract: Bonny Hills Wastewater Treatment Plant Lamella Settler Trial

Abstract:

This trial was set out to determine the best running conditions for the Lamella Settler at Bonny Hills WWTP, however, we found that the PLC (Programmable Logic Controller) coding for pump dosage rates had never been calibrated and no-one knew how such a feat could be accomplished. A first trial was performed using the existing setpoints in the hope that it could be tuned to work as they were. This was not the case, so the coding had to be reverse-engineered and the Aluminium Sulphate (alum) pumps fully calibrated to allow for proper function. Upon completion, a second trial was performed to find the best flow rates and alum dosage rates for the Lamella Settler.

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