



## NORCO FOOD EXPANDS DAIRY OPERATIONS WHILST REMAINING COMPLIANT WITH STRICT GOLD COAST CITY COUNCIL DISCHARGE LIMITS

Aerofloat uses specialist dairy knowledge to ensure an effective wastewater treatment system

### BACKGROUND

On the back of a production increase, Australian farmer-owned dairy cooperative, Norco, sought to upgrade its existing treatment facility on the Gold Coast. Known for its quality milk and dairy products, the cooperative needed to ensure adequate room for growth whilst complying with the ever-increasing trade waste demands of the Gold Coast City Council. After extensive analysis, Aerofloat was the recommended company of choice. Aerofloat's considered design for the project provided innovative and cost-effective solutions.

### THE NEED

Norco required a more robust wastewater solution to support growth and adhere to council's discharge requirements.

### THE SOLUTION

Aerofloat installed a solution utilising physical separation plus biological treatment with AeroDAFs and AeroMBBRs.

### THE BENEFIT

Norco expanded its operations whilst remaining compliant with strict discharge requirements.





## THE AEROFLOAT SOLUTION

Aerofloat was responsible for treating Norco's wastewater for Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS), at a rate of 450m<sup>3</sup>/day. Aerofloat's design at Norco consisted of two AeroDAF 400s to separate out the milk fat and protein, followed by AeroMBBRs to degrade the soluble sugars and whey protein and finally the AeroDAF 200 to separate out biological solids produced.



## RESULTS

Test results showed the Aerofloat design at Norco significantly reduced the BOD/COD levels in the wastewater. Gold Coast City Council Limits were 1500mg/L for COD and 700mg/L for TSS and the Aerofloat system discharged water well below those limits. "The regulations for wastewater are getting tighter and tighter, and as good corporate citizens we need to meet these new standards," says Allan Box, business development manager, Norco. Following on from the success of the Gold Coast project, Aerofloat was contracted to upgrade Norco's Raleigh plant in NSW.