



HYDROFLUX

industrial

BAIADA KU-RING-GAI (DISSOLVED AIR FLOTATION AT A POULTRY FURTHER PROCESSING PLANT IN SYDNEY)



The Ku-ring-gai facility is one of Baiada's newest highly automated advanced processing plants. It produces a vast range of chicken and turkey products including primary products, semi-prepared meals and snacks, and ready-to-eat offerings.

Due to the addition of new processing lines, a new DAF system was required to accommodate the increase in wastewater volumes.

Chemical coagulation and flocculation worked extremely well on this wastewater providing a very clear virtually solids free supernatant. The solids load required upsizing of the DAF to ensure that a sufficient dissolved air is injected into the wastewater.

The process involved screening, balancing, chemical coagulation with pH control and DAF. The sludge is stored in a tank prior to offsite disposal. The treated wastewater easily met Sydney Water's discharge requirements.

The Hydroflux HyDAF HD-35 was located on a concrete slab adjacent to the existing treatment plant allowing minimal disruption to the treatment process during commissioning.

A large reaction tank was provided to ensure that the chemical treatment process and pH control is optimized.

The system was designed and installed by Hydroflux as a complete turnkey project. Over 98% of suspended solids and grease are removed from the wastewater stream representing a BOD reduction of greater than 70%



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A member of the HYDROFLUX Group



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