



# HYDROFLUX

industrial

## HUON (DISSOLVED AIR FLOTATION AT A FISH PROCESSING PLANT IN TASMANIA



Located in the north of Tasmania, approximately 20 minutes out of Devonport on the Bass Highway, is Huon's Parramatta Creek processing facility and Smokehouse and Product Innovation Centre.

All 16,00 tonnes of the salmon produced every year is processed at Parramatta creek before going to markets.

The site's original waste water treatment process included a screen to capture large solids in the water (scales, fish eggs and bones, flesh and fat) prior to flowing to an aeration pond from where the water was irrigated.

The Hydroflux project involved installing a DAF between the screen and the pond to reduce the load on the aerobic plant.

Wastewater drains from the factory to a sump from where it is pumped to a rotary screen. After balancing the pH is corrected in a reaction tank followed by polymer addition and DAF.

The sludge is pumped to a storage tank from where it is tinkered off site. The sludge is scraped from the surface of the Hydroflux HyDAF system in to a sludge hopper from where it is pumped to a storage tank for disposal.

Analysis of the treated wastewater discharging from the DAF system showed significant removal in Solids and grease and way beyond expectations. Control of the plant is via an Allen Bradley PLC and HMI.

"The Hydroflux DAF system has vastly improved the quality of the wastewater to enable the biological system to meet discharge requirements. Hydroflux were an excellent company to work with. Very thorough, innovative with impeccable safety standards." - Adam Chapman, HUON Aquaculture.



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A member of the HYDROFLUX Group



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