



# HYDROFLUX

## industrial

### TRANSPACIFIC MACKAY (WASTE OIL RECOVERY PLANT IN NORTHERN QUEENSLAND)



Located at Cleanaway's Liquid and Industrial Services Facility in Paget, eastern Queensland, the facility receives industrial wastewater from various sources including oil filter recycling and industrial abrasives. The wastewater produced contains very high levels of oils and TSS.

All equipment supplied for this project was designed and manufactured in Australia by Hydroflux Industrial. The Hydroflux project involved the design, supply and installation of all mechanical and electrical aspects of the wastewater treatment plant.

The HyDAF clarifiers wastewater by the employing microbubbles to float suspended material within an effluent stream to the surface of the DAF tank.

The Hydroflux HyDAF HD-10 system is designed with simplicity, high efficiency, and low power consumption.

The overall process involved wastewater draining from the processing facility into a sump from where it is pumped to the Hydroflux HyDAF system. The chemical process involved dual pH control using acid or caustic, a coagulant and polymer all prior to the DAF system. After solids removal in the DAF, the wastewater is dosed with a disinfectant prior to discharge to sewer.

The sludge is transferred to a storage tank for off site disposal. Accurate control of the chemical dosing systems in this case is essential to maximise the HyDAF performance.



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A member of the HYDROFLUX Group



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