

NI Water - Jacopa SAF - Gortnahey WwTW, Limavady



Gortnahey WwTW, Limavady

- Mobile units - easy transport & installation.
- Rapid set-up.
- Small footprint.
- Discharge Standards achieved.
- Low environmental impact.
- Continuous Robust treatment.
- Available to hire

The Brief

Gortnahey wastewater treatment works serves the small village of Gortnahey located 5km northwest of Dungiven and 13km south of Limavady with a population of fewer than 300.

The wastewater treatment works underwent a £1.7 million upgrade on its existing site, with the aim of improving wastewater services for customers and enhancing water quality in the local Woodburn River.

As part of the Construction Process, a temporary treatment solution was required to ensure the limits of 35mg/l BOD, 55mg/l suspended solids (SS) and 7.5mg/l ammonia were met during the construction and commissioning of the new treatment works.

The Solution

Two CB500 Copa SAF units were brought to site and quickly installed using a mobile crane. They were easy to install because of their modular design and simple to remove once the permanent works had been commissioned.

The temporary process also included a submersible pump station, primary settlement tank, final tank, blower kiosks and flow splitter boxes together with associated pipework, all hired and installed by Jacopa.

The Result

The temporary plant, easily achieved the discharge standard of 35mg/l BOD, 55mg/l SS and 7.5mg/l ammonia throughout the construction phase. The SAFs also had a short start-up period that delivered an effect on BOD within four weeks, allowing an early start to the demolition of the old Plant.