Case study

Microbrewery industrial Wastewater solution in keeping with the environment

To treat the industrial wastewater at a microbrewery in North West Scotland, a WPL below ground packaged wastewater treatment solution was specified to offer low visual impact and meet stringent discharge standards when providing off mains drainage.

Ondeo Industrial Solutions, who knew of WPL through previously working with Scottish Water, were commissioned by Fyne Ales to deliver the turnkey design and build project for their brewery. Ondeo Industrial Solutions chose the bespoke configured WPL HiPAF® modular in the latter half of 2014 to work with their overall solution.
Challenges:

Due to the rural location and lack of nearby municipal works capacity, Fyne Ales has to treat its own brewery industrial wastewater so it can be safely discharged into the surrounding environment. Previously this process was via a septic tank, however due to expansion of the brewery, they required an upgrade.

The client’s brief was to ensure there would be minimal visual impact upon the beautiful surrounding location and view from the family home located nearby. This was essential to the requirement.

Other challenges included access to the installation site which was located down a very rural singular track road. The industrial solution also needed to take into account the highly fluctuating flows and loads during the industrial process.

The treatment plant had to be designed to manage the flows and loads parameters stated below to meet a SEPA effluent discharge standard of 40mg/l BOD, 50mg/l TSS, (no ammonia removal considered).

Solution:

WPL proposed a 2 tank WPL HiPAF modular packaged treatment plant to Ondeo, to ensure there was sufficient biological capacity to treat the Biochemical Oxygen Demand (BOD) to the required SEPA standards. The compact packaged design allowed for easy transportation to site and the below ground installation meant low visual impact on existing views of natural beauty.

Andrew Haywood, Utility and Industrial Sales Manager, states “Ondeo chose our process solution to support their overall objective of the client’s brief, as WPL is regarded as a high specification supplier to the UK water utilities, and has tried and tested below ground reference sites that suited the clients aspirations.”
About WPL

Environmental wastewater treatment solutions
WPL have been at the forefront of wastewater treatment technology for over 25 years, with international experience of technical design, quality of manufacture and supply of environmental wastewater solutions.

Our high level of expertise means that we offer all of our customers, from the individual home owner to the large municipal communities and industrial markets, robust wastewater treatment process solutions that are environmentally compliant.

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