

Bodmin Parkway Railway Station

**Project: Upgrade of Existing Foul
Drainage System to Biological Sewage
Treatment Works**

**Client: Planning/Transportation
Estates**

Date: 2002

When the station at Bodmin Parkway was being refurbished, it was decided that it would be prudent to upgrade the toilet block at the same time. H2OK were appointed to carry out the detailed design, civil, mechanical and electrical installation and commissioning of a new waste water treatment plant at the railway station.



Owing to lack of space the treatment plant had to be placed just behind the platform in the station car park. As a consequence the package sewage works needed to be compact and small, completely below ground and able to withstand vehicular loadings.

A Clereflo CT18 treatment plant was able to offer this requirement. The CT18 was the most appropriate unit to accommodate the flow from the new toilet block. Utilising the well-proven Submerged Aerated Filtration process (SAF), the Clereflo incorporates the simple aeration system – the Ventflo Inductor.

Not only does this add to the high performance and reliability of the plant but also enables completely below ground installation with nothing visible save for conventional manhole covers.



Furthermore, the only moving part within the entire system is a submersible pump specifically designed for use in sewage. There are two models of Clereflo CT series, the regular unit and the heavy duty model, the latter of which was selected for Bodmin Parkway, as being more appropriate to withstand vehicular loadings combined with an in situ pcc cover slab.

The plant became operational in July 2002. H2OK continues to provide scheduled maintenance and emergency call outs for the site.



**Contact: Tim Cunliffe
Installations Division**