Services for upgrading processes together with an analysis of any eutrophication impacts in St Aubins Bay.

Since 2006, Bellozanne has had a total nitrogen standard of 10 mg l^{-1} in line with Urban Wastewater Directive requirements. However, as can be seen from Table 3.8 which summarises sample data obtained at the discharge point, the nitrogen standard has been exceeded for a number of years and there is no evidence of an improving trend in spite of changes in treatment processes.

During this period, Environmental Protection has been in extensive discussions with TTS concerning the proposed engineering mitigation, including timescales and anticipated improvements to the discharge. This has led to substantial further investment by TTS to try and alleviate the problem as well as them conducting studies on nutrient apportionment within the bay and trophic status of the bay. During the period, Environmental Protection has issued two formal warning letters and is currently compiling a case file regarding the total nitrogen failure of the sewage treatment works.

Table 3.8 Average total nitrogen concentrations in Bellozanne effluent.

	Total Nitrogen Consent condition	**Total Nitrogen Average(mg l^{-1})**
2005	20 (mg l^{-1})	20.78
2006 Jan-July	20 (mg l^{-1})	27.96
2006 July	10 (mg l^{-1})	25.91
2007	10 (mg l^{-1})	24.05
2008	10 (mg l^{-1})	27.28
2009	10 (mg l^{-1})	38.79
2010	10 (mg l^{-1})	29.69
2011	10 (mg l^{-1})	28.43[17]