

**Permit levels for Waste Water Treatment Works (WwTWs) within the River Test and River Itchen catchments**

Nitrates permit consent levels provided by Southern Water (December 2019)

<b>STW Name</b>	<b>N-Parameter</b>	<b>Permit Consent levels (GW - WRA AA Mean Limit (mg/l))</b>
Ivy Down Lane Oakley	Total Inorganic Nitrogen	35
North Waltham	Total Inorganic Nitrogen	20
Whitchurch	Total Inorganic Nitrogen	32

**Please note that in the absence of comprehensive monitoring data or permit consent levels for total nitrogen at any of the Waste Water Treatment Works (WwTW) referenced above, the nitrate levels (mg/l) to be used for nutrient budget calculations may be subject to change in light of monitoring and further information on effluent levels and WwTW discharges.**

**Following discussions with Natural England, the current nitrogen effluent levels to be applied for each WwTW in nutrient budget calculations are set out below:**

**Ivy Down and Whitchurch** – Based on the long term data, Natural England are currently satisfied that the effluent levels of Total Inorganic Nitrogen (TIN) are low enough to be able to accommodate for organic-N in the headroom. The above permit levels can be used (but not apply the 90% operating limit) i.e 35 mg/l and 32 mg/l respectively.

**North Waltham** – there is less data and the permit level is lower so it is recommended that developments draining to this WwTW should use the default 27mg/l rate for now (and not apply the 90% limit).

**Overton and Barton Stacey** – the 27 mg/l default can be used in the absence of any permit consent level or monitoring data.