

DRAINAGE SUMMARY FOR ODDI-AR-Y-TWMPATH, GLEN CEIRIOG LL20 7LY

To be read in conjunction with drawing 3971-02-Drain, percolation test results and NRW permit to discharge.

The drawing shown the position of the original septic tank (ST1) serving the farmhouse. This was a brick chamber with a discharge to ground via a pipe down the embankment towards the watercourse.

During renovation of the farmhouse ST1 was exposed and found to be in a state of collapse, it was abandoned and a new Klargestor tank was installed at the position shown ST2. This tank was designed to take potential future flows from the farmhouse and the 2 barns which have been the subject of previous refused applications and current planning applications.

The effluent discharge from all properties fully occupied is calculated to be less than 2m³ /day and this was approved by NRW by the issuing of a Water Discharge Exemption Ref: NRW-WQE058374.

To satisfy recent regulations for phosphorous discharge in the River Dee and Bala Lake Special Area of Conservation all 3 properties the current planning applications confirm discharge of foul sewage is to a treatment plant noted STP on the plan, with an associated drainage field. The discharge amounts remain unchanged and the NRW permit applies.

The treatment plant will be fitted with Chemical Dosing to reduce Phosphate discharge to ground by 95.4% as noted on the drawing included with the planning application.

This new STP serving 3 dwellings will discharge significantly less phosphorus / pollutant to ground than the original farmhouse (1 dwelling). The percolation test results confirm the sub-soil permeability is very good which ensures the pathway for the low levels of discharge does not reach the river environment.