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WCBC
Planning Department
Lambpit Street
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Our Ref: D127-006
17th December 2024

Dear Sir/Madam

Re: P/2024/0035 Farmworkers dwelling, Talfryn Cottage, Chapel Lane, Erbistock, Wrexham.

Please see below results from percolation tests undertaken at the above-mentioned site.

2 separate test holes were provided on site to the following dimensions: 300mm x 300mm x 300mm deep. Three separate tests where undertaken. Those test results are recorded below.

Test 1:

The water level took 125 minutes to fall between markers set at 75% full and 25% full. Converted into seconds for the purposes of the calculation we are left with the figure of 5820.

The VP is then calculated by dividing the time by 150 in test 1 case 7500/150.

A VP of 50 is calculated.

Test 2:

The water level took 153 minutes to fall between markers set at 75% full and 25% full. Converted into seconds for the purposes of the calculation we are left with the figure of 9180.

9180/150.

A VP of 61.2 is calculated.

Test 3:

The water level took 157 minutes to fall between markers set at 75% full and 25% full. Converted into seconds for the purposes of the calculation we are left with the figure of 9420.

9420/150

Vp = 62.8 (percolation value)

Calculating and average over the 3 test results adding all VP's together and dividing by 3.

50 + 61.2 + 62.8 = 174

174 / 3 = 58 = Average VP

The above information provides evidence that a drainage field will disperse the clear water outfall from the treatment plant effectively.

Should you have any queries regarding the proposal please do not hesitate to contact the office at your convenience.

