blueprint
architectural services

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Planning Department
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Our Ref:
30th July 2026

Dear Sir/Madam

Re: P/2026/0332 DREFECHAN FARM, DREFECHAN, PEN-Y-CAE, WREXHAM, LL14 1UE

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 121 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 7260

The VP is then calculated by dividing the time by 150 in test 1 case 7260/150.

A VP of 48.4 is calculated.

Test 2:

The water level took 143.5 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 8610

8610/150.

A VP of 57.4 is calculated.

Test 3:

The water level took 158 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 9480

9480/150

Vp = 63.2 (percolation value)

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

48.4 + 57.4+ 63.2 = 169

169/ 3 = 56.3 = 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.

Yours faithfully

[redacted]

Dafydd Edwards
Senior Architectural Technician
for blueprint architectural services