

WCBC

Planning Department
Lambpit Street
Wrexham
LL11 1AR

Our Ref: C149-002
04th September 2024

Dear Sir/Madam

Re: P/2023/0556 Paddock View, Plassey Lane, Willington, Malpas, SY14 7LS

Please see below results from percolation tests undertaken.

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



Test 1:

The water level took 55 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 3300.

The VP is then calculated by dividing the time by 150 in test 1 case $3300/150$.

A VP of 22 is calculated.

Test 2:

The water level took 1hr 2 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 3844.

$3844/150$.

A VP of 25.62 is calculated.

Test 3:

The water level took 1hr & 15minutes 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 4500.

$4500/150$

$V_p = 30$ (percolation value)

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

$22 + 25.62 + 30 = 77.62$

$77.62 / 3 = 25.87 = \text{Average VP}$

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



Dafydd Edwards ACIOB
Senior Architectural Technician
for blueprint architectural services