

I & E SMITH SERVICES

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Angus McNicol
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6 February 2024

Dear Angus

PRIVATE WATER SUPPLY REPORT FOR NEW SITE AT OLD SCHOOLHOUSE, GLENGAIRN

Following my site visit to test water quantity and pressure on Thursday 21st December 2023, I can advise of my findings and recommendation as follows:-

1) LOCATION AND OUTLINE DETAILS OF SUPPLY

The current water supply consists of an underground spring source, which is constructed of concrete rings 600mm in diameter with metal lockable top and located on un-grazed hill land (Grid Ref. NJ 298013) the pipework is blue mdpe pipe,

There are no septic tanks located within 50 meters of the water supply.

2) USERS

The supply currently serves The Old Church, Old school and The Old Schoolhouse.

3) QUANTITY

Discharge to waste was found to be 9 litres/minute = 540 litres /hour = 12,960 litres/day.

This quantity is more than adequate for the proposed development.

4) PRESSURE

The pressure was found to be approx. 2.1 bar.

5) QUALITY & STORAGE RECOMMENDATIONS

We would recommend the installation of water treatment consisting of 10” particle filtration, ph correction and 40-millijule uv sterilization, however this will be confirmed upon receipt of Environmental Health water sample results. We would also recommend a minimum 1000 litre water storage tank and pressurized water pumping system be fitted.

6) SCOTTISH WATER MAINS SUPPLY

No water mains are within reasonable distance of the proposed development.

Yours sincerely
Edward Smith