BOREHOLE @GREAT VENTORS , MONKSGATE

Water Sampling results interim report and Results:

Planning application references: **DC/21/1798 & DC/22/1178**

The borehole treatment room installation and commissioning at Great Ventors has been completed by Nicholls Borehole and has taken place between July and October 2025.

The treatment plant room is now fully installed and complete and the water has now passed all parameters.

Water Sampling Results.

SAMPLE 1:

After the initial installation a full set of tests were carried out – at a NON UKAS lab. (BA HYDRO)

These test result file are embedded below. *25260581 TP1982 BAHS Laboratory certificate*.

(These results shows the water passes across all parameters with the exception of Iron and Turbidity (Cloudiness)

With these results, it was agreed that the system required an additional “ultra filter” to target the fine sediment down to 0.02 microns. The Iron filter would also require configuration updates.

Commentary on sample 1:

- “The iron level has gone from 6200ug/l to 1400ug/l which is an 80% reduction but this is still over the UK drinking limit.
- The turbidity level has gone from 58NTU to 14NTU which again is approx. a 80% reduction but still over the UK drinking limit. “
- There were some small levels of bacteria. However, at the time of sampling, the chlorine dosing was not functional. In latter tests the dosing was correctly programmed and balanced and so upcoming results should provide clarity on this.

SAMPLE 2:

A second targeted test and sample was then taken in October, specifically to test for the two parameters that had failed. Both of these then passed.

The results of these tests are also enclosed below. *25260816 TP1982 BAHS Laboratory certificate*.

A third set of water samples was then taken on Thursday 30th October from taps within the properties , and these are currently in the UKAS labs for testing , awaiting results.

The results of the UKAS Lab test will be submitted as a final addendum to this discharge as soon as they arrive.



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