


From: Chris Stanworth
Sent: 02 March 2015 12:05
To: DC Consultation
Subject: FW: [PROTECT]RE: 15NP0009 - Erection of timber framed store and new borehole to be sunk at Walltown Quarry, Greenhead, Northumberland

From: Park, Gary [<mailto:> 
Sent: 02 March 2015 10:13
To: Chris Stanworth
Subject: [PROTECT]RE: 15NP0009 - Erection of timber framed store and new borehole to be sunk at Walltown Quarry, Greenhead, Northumberland

Hi Chris,

Apologies, I've been on sick leave since last Wednesday.

The comment about facilities in previous e-mails was in reference to the "improved" visitor facilities (14NP0080) and the temporary offices (14NP0089).

I was waiting for comments back from our private water team – I don't think we'll have comments other than theirs.

They have asked for conditions/informatives to cover the following:

1. Ensure that the new borehole is installed at least 50m from the septic tank (or 'package treatment system' in this case). As the letter states, it is planned to be drilled 52m away and having been on site on Monday (23rd Feb.) this looks to be fine as it is uphill from the septic tank and on the opposite side of the toilet/vending machine block.
2. Ensure that the new borehole is capable of meeting the increased demand. The current facilities are toilets that are open all year around and the vending machines (selling tea/coffee/hot drinks) are accessible from April for 6 months each year. The demand on the existing well has been met and the additional water services to be added should be met from the new borehole, unless these additional services will drastically increase in size (i.e. large scale catering business to be added).
3. We wouldn't expect other PWSs nearby not to be affected (unless demand is to drastically increase). We are not aware of a borehole at Walltown Lodge but the attached letter alludes to one there. The only other supply that we have on record within 1km radius of the new borehole is Carvoran (borehole). While both will be in use all year around, I think both would be considered to have seasonal 'high' demand and no agricultural use associated with them.

We only have one "standard" condition relating to private water supplies, which is:

"Prior to development commencing, written verification shall be provided and agreed with the Local Planning Authority, to confirm that there will be a sufficient supply of wholesome water to serve the development, in addition to existing consumers. The assessment shall be based on the average household consumption of 125 litres per person per day or other such quantity as may be required by any non - domestic water usage."

I think their first bullet is addressed by the fact the borehole is more than 50 metres distant from the treatment system. I think the issue here is that the other proposed changes may have an impact upon the drawdown on aquifer water for NNP facilities in the former quarry and upon any existing supplies in the immediate vicinity.

Ultimately, I think if a calculation could be done to estimate the seasonal consumption at the quarry and factor in any changes through development then that might be sufficient. Part of that would normally be to calculate or be aware of the recharge capacity of the aquifer.

Please let me know if this all makes sense and if you think it is reasonable to ask the applicant (yourself) to do this.

Regards

Gary



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