

Gwyn Jones
Natural Resources Wales
Rivers House,
St Mellons Business Park,
St Mellons,
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7 July 2016

Our Ref: 60080AD GJones001.docx

Dear Gwyn

Re: Whitehall Quarry Hydrogeological Risk Assessment

Thank you for your letter dated 10 June 2016 relating to the six yearly hydrogeological review for Whitehall Quarry Landfill.

We accept your point regarding the iron compliance limit and CEMEX will keep the compliance limit at the UK drinking water standard of 200 µg/l.

We also understand your argument for having the compliance limit for potassium in BH12 set at the maximum concentration plus 1 mg/l. If we adopt this approach, the revised compliance limit would be 18.6 mg/l at this location. The only problem that this causes is where to set the control level. The control level needs to be set at a sensibly lower concentration so that, in the normal case, there is sufficient time following an exceedance of the control level to take action and prevent a breach of the compliance limit. We propose to set the control level at 14.6 mg/l. At this concentration, the majority of results since early 2011 would have exceeded this control level. If the CEMEX action plan is followed, this would have resulted in monthly monitoring at this location. As we believe we understand the cause of the elevated potassium, we propose that such higher frequency sampling is not necessary. Once the concentrations have fallen consistently below the control level, then normal contingency actions would resume in the event of an exceedance of the control level.

We also agree to review these compliance limits at BH1 and BH12 on an annual basis via the annual report.

Please can you confirm your acceptance to our proposed approach to BH12 control levels and sampling frequency. CEMEX will then update the compliance limits and control levels in their environmental database to ensure that reporting is correctly undertaken going forward.

Yours sincerely



Robert Sears
TECHNICAL DIRECTOR