

Bold Business Centre  
Bold Lane, Sutton  
St. Helens, Merseyside  
WA9 4TX

Telephone: +44 (0) 1925 291111 Fax: +44 (0) 1925 291191  
e-mail: mailbox@terraconsult.co.uk Website: www.terraconsult.co.uk

You're Ref: PAN-001932  
Our Ref: 3276/L/001-1

14<sup>th</sup> December 2017

**Mr Kevin Ashcroft**  
**Natural Resources Wales**  
Permitting Service  
Cambria House  
29 Newport Road  
Cardiff  
CF24 0TP

Dear Mr Ashcroft,

## **RHUDDLAN BACH QUARRY LANDFILL STANDARD VARIATION APPLICATION (ref: PAN-001932) – SCHEDULE 5 RESPONSE**

We are writing on behalf of Clive Hurt (Plant Hire) Limited in response to your letter dated 21<sup>st</sup> November 2016 and accompanying Schedule 5 Notice (ref: PAN-001932) requesting further information to support the variation application for the Rhuddlan Bach Quarry Inert Landfill (Permit ref: EPR/FP3590LV) site located at Brynteg on Anglesey, North Wales.

Firstly, it is evident from the comments received from Natural Resources Wales (NRW) both at the duly making stage of the application process and now as part of the application determination, that the aim of this variation application is possibly, in part, being misinterpreted by NRW. The proposed change at the site is to increase the annual tonnage of incoming waste from the currently permitted 75,000 tonnes, to 125,000 tonnes. This increase in throughput will have no impact on the overall scheme currently permitted at the site as per the permit application (ref: WP3132SX) dated 9<sup>th</sup> November 2006, and will have no impact on the currently permitted final landform or closure & aftercare arrangements.

We will review each of NRW's comments and requests in the order received on the Schedule 5 Notice and respond accordingly. This response should be read in conjunction with the NRW Schedule 5 notice as only the specific questions have been replicated for reference purposes and not the accompanying explanatory text.

- 1. To properly understand the risks posed by the increased throughput we need to understand where the filling will be carried out. Fugitive emissions resulting in suspended solids are a significant threat to the nearby SAC, understanding the location of filling in relation to sensitive receptors can inform our risk assessment. **Please provide, a drawing showing what cells will be filled with the additional waste. Please also provide a description of the waste phasing arrangements for the additional waste.***

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We would re-iterate that the proposed phases of deposition at the site will remain as currently permitted (Permit ref: EPR/FP3590LV), and it is assumed that the potential impact upon the sensitive habitats over 270m to the east of site would have been assessed as part of the original permit application (ref: WP3132SX), dated 9<sup>th</sup> November 2006. Again, we can confirm that the increased inputs will not result in, any additional deposition on any phase of the site, and therefore no additional impact on the adjacent receptors.

As part of the permit variation application (ref: PAN-001932), we submitted an appropriate 'Fugitive Particulate Risk Assessment & Management Plan' (ref: 3276/R/005-1) as a supporting document. As a more conservative approach, we assessed potential risk from the permitted boundary (Section 4.2) of the site to all relevant receptors, as opposed to individual phases of waste deposition. Furthermore, Table 2 of the assessment details management procedures to be implemented to reduce/prevent any impact from particulate emissions from waste related activities at the site.

- 2. The increase in throughput of waste could increase the amount of waste deposited each week by almost 1000 tonnes. Noise and vibration have not been considered as significantly different from those already emitted as part of ongoing operations. Please explain how this conclusion was reached. Has any noise modelling been carried out to support this view, if so please submit?*

It is evident that NRW have assumed that the operator's annual input will be distributed across any given annual period, however, it is recognised that inputs are dependent on material availability and could result in periods of high activity with corresponding low activity periods. Consequently, any impact from noise due to increased traffic movements is governed by the extant Planning Permission for the site, and therefore regulated by the relevant Planning Authority through Condition 12 of that Permission which states:

***(12) The level of noise emitted as a result of any activity or operation at the site associated with the development hereby permitted shall not exceed 55 dB(A)<sub>Laeq</sub> 1 hour when measured or recalculated as at a height of 1.2 metres above ground level and 3.6 metres from the façade of the nearest residential property or occupied building.***

It is assumed that an appropriate noise assessment was undertaken as part of the Environmental Impact Assessment supporting the planning application which resulted in the above restrictions on noise being imposed by the local authority.

- 3. NRW need to be satisfied that the appropriate Closure and Aftercare Procedures are in place. Closure and aftercare plans should be updated at least every four years, and when the phasing and amount of waste deposited on site changes. Please provide an updated closure and aftercare management Plan.*

As stated previously, there are no proposals as part of this variation application to amend the currently permitted phasing or amount of waste to be permanently deposited at the site, therefore, there are no proposed changes to the closure and aftercare management provision agreed as part of the determination of the original permit application (ref: WP3132SX) dated 9<sup>th</sup> November 2006. It is assumed that NRW still maintains a record of this application and supporting information, however, it is assumed the following information will be referenced:

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- An aftercare programme of maintenance and management will be implemented following the completion of the site to allow successful establishment of new vegetative cover. The site will be restored in accordance with the current planning permission. No engineered cap is required for an inert landfill. This will be formalised within a final closure report to be submitted to NRW for approval prior to entering the aftercare period;
- Leachate and gas monitoring infrastructure will be subject to routine inspection and maintenance programmes to ensure the ongoing efficiency, and a routine monitoring programme will continue throughout the aftercare phase;
- Reporting of all required data will continue to be undertaken throughout the aftercare phase in accordance with the current permit conditions, or at another frequency agreed with NRW;
- De-commissioning of infrastructure will be undertaken as and when required in accordance with the agreed closure plan; and
- The site will be subject to a full landform topographical survey on an annual basis during the post closure phase, to assess settlement behaviour (if any) and to inform on additional requirements for maintenance and remedial measures to be implemented.

It is therefore concluded that the proposed changes will have no impact on any of the post closure requirements summarised above. We would also state that this request does not appear to be relevant to the application currently being determined, and would suggest that any further review of the closure and aftercare management plan be dealt with as a regulatory issue at NRW's area level.

We trust that the points and comments contained within this letter adequately address the Agency's comments and observations in relation to the Rhuddlan Bach Quarry Landfill variation application and would request that you contact us if you require further clarification on the matters discussed within this letter.

Yours sincerely  
For and on behalf of TerraConsult Ltd



**Robert Barlow**  
Senior Consultant

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