

Your ref: DP3733BK

Our ref: 14739/3505/CBH/RHT/VKR/AREA 2 GAS



11th August 2017

PPC Team
Natural Resources Wales
Rivers House
Fortran Road
St Mellons Business Park
Cardiff
CF3 0EY

Peter Brett Associates LLP
Caversham Bridge House
Waterman Place, Reading
Berkshire RG1 8DN
T: +44 (0)118 950 0761
F: +44 (0)118 959 7498
E: reading@pba.co.uk

Attn: Mr David Willey

Dear David

RE: DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 2 GAS MONITORING RESULTS, ROUNDS 159 & 160.

We write to provide the latest gas monitoring report for Area 2 of Docksway Disposal Site. Gas monitoring is required on a monthly basis at Area 2 of Docksway Disposal Site and the results of the monitoring are reported to NRW on a quarterly basis generally.

We enclose with this report two data sheets showing the results collected in May and June 2017 (i.e. Rounds 159 & 160).

Gas monitoring wells are installed at approximately 100m intervals around the Area 2 landfill perimeter and there are currently thirteen available monitoring wells. Eleven wells were monitored during Rounds 159 and 160 (GP06_25 and GP05_22 recorded as flooded).

Trigger Levels

Trigger Levels for all the Area 2 wells are shown on the attached data tables.

Results Summary

The methane and carbon dioxide concentrations recorded at each of the gas monitoring wells in May and June 2017 are summarised on the attached data sheets.

The concentrations of methane and carbon dioxide did not exceed the well specific trigger levels at the majority of the Area 2 wells monitored during rounds 159 and 160. The exceptions to this are as follows;

- GP09_18 – has recorded both peak and steady concentrations that exceed the trigger level on each monitoring visit. Peak methane concentrations range between 6.5% (June) and 8.3% (May).
- GP03_06 – recorded a peak methane concentration of 19.7% during R160 although the steady state concentration was below the trigger level at 0.2%.

J:\14739\075-Interim Reporting\2017-2018 Monitoring data\Reports Area 2\R160 - June 2017\DP3733BK Area 2 Gas Report.docx

Registered Office: Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN. UK. T: +44 (0)118 950 0761 F: +44 (0)118 959 7498
Peter Brett Associates LLP is a limited liability partnership and is registered in England and Wales with registered number OC334398.
A list of members' names is open to inspection at our registered office. Brett Consulting Limited is wholly owned by Peter Brett Associates LLP.
Registered number: 07765026.

Roger Tym & Partners is part of Peter Brett Associates LLP.

www.peterbrett.com



Concluding Remarks

In general, it is considered that the results obtained from the two rounds of gas monitoring are within the range of results obtained since commencement of monitoring with the exception of GP09_18 and GP03_06. At GP03_06 the peak methane concentration recorded during R160 is the highest ever recorded at this location and this follows previous highest readings recorded during Rounds 156 and 158. The source or reasons for the elevated methane at these locations is unknown, although both locations are on the eastern boundary of the site, adjacent to the docks.

NCC will continue to undertake Area 2 perimeter gas monitoring on a monthly basis and PBA will continue to provide factual reports to NRW on a quarterly basis.

Yours sincerely

Kate Riley

For and on behalf of

PETER BRETT ASSOCIATES LLP

Cc. Gwyn Jones – NCC (Docksway Disposal Site)

Enc. Gas Monitoring Data Tables