

Your ref: DP3733BK

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



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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 155 TO 158.

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 four data sheets showing the results collected between January and April 2017 (i.e. Rounds 155 to 158).

Gas monitoring wells are installed at approximately 100m intervals around the Area 2 landfill perimeter and there are currently thirteen available monitoring wells. Twelve wells were monitored during Round 155 (GP06_25 recorded as flooded) and eleven wells were monitored during Rounds 156 to 158 (GP06_25 and GP12_23 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 between January and April 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 155 to 158. 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 12.3% (March) and 28% (January).

https://cyfoethnaturiolcymru-my.sharepoint.com/personal/elizabeth_parr_cyfoethnaturiolcymru_gov_uk/Documents/Documents/A_SITES/Newport_Council_DP3733BK/20170523-in-GAS_monitoring_Rpt-Rnds_155-158-January-April_2017.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
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- GP05_20 – recorded peak methane concentration of 4.4% during R155 although steady state concentration was below the detection limit of the monitoring equipment.
- GP03_06 – recorded peak methane concentration of 8.9% during R156, 2.5% during R157 and 4.9% during R158.

Concluding Remarks

In general, it is considered that the results obtained from the four 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 methane concentration recorded during R156 and R158 are the highest ever recorded at this location. At GP09_18 the methane concentration recorded during January is the highest ever recorded at this location. 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