

Your ref: DP3733BK

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

15th May 2019

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

Attn: Mr David Willey

Dear David

RE: DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 2 GAS MONITORING RESULTS, ROUND 181.

We write to provide the latest gas monitoring report for Area 2 of Docksway Disposal Site. Gas monitoring is required on a quarterly basis at Area 2 of Docksway Disposal Site, in accordance with the Environmental Permit EPR/DP3733BK.

We enclose with this report data sheets showing the results collected in March 2019 (i.e. Round 181).

Gas monitoring wells are installed at approximately 100m intervals around the Area 2 landfill perimeter and there are currently fifteen available monitoring wells. Fourteen wells were monitored during Round 181. Borehole GP18_18A was recorded as being inaccessible during Round 181.

Trigger Levels

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

Results Summary

The methane and carbon dioxide concentrations recorded at each of the gas monitoring wells in March 2019 are summarised on the attached data sheets.

The concentrations of methane and carbon dioxide did not exceed the well specific trigger levels at most of the Area 2 wells monitored during round R181. The exceptions to this are GP05_17 and GP09_18 which recorded peak (6.9%v/v and 16.1%v/v respectively) and stable (5.7%v/v and 16.0%v/v respectively) methane concentrations that exceed the trigger level (1%v/v for both).

Monitoring wells GP09_18B and 18C indicate elevated concentrations of methane, at 77.1%v/v and 56.6%v/v respectively, at significantly higher concentrations than recorded in GP09_18 at 16.0%v/v. The cause of the elevated methane at this location is currently unknown and under ongoing investigation.

J:\14739\075-Interim Reporting\2018-2019 Monitoring data\Reports Area 2\R181 - Mar 2019\Docksway Area 2 Gas.docx

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Concluding Remarks

In general, it is considered that the results obtained from this round of gas monitoring are within the range of results obtained since commencement of monitoring with the exception of GP09_18 where elevated methane concentrations have been recorded for the last 24 months and investigations are ongoing.

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

Yours sincerely

A handwritten signature in black ink, appearing to read 'Kate Riley', with a checkmark to the left.

Kate Riley
Associate
For and on behalf of
PETER BRETT ASSOCIATES LLP

Enc. March 2019 Area 2 Gas Monitoring Data Table

Cc. Silvia Gonzalez-Lopez – Newport City Council