

Your ref: DP3733BK

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

29<sup>th</sup> July 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 184.**

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 recorded in June 2019 (i.e. Round 184).

Gas monitoring wells are installed at approximately 100m intervals around the Area 2 landfill perimeter and there are currently fifteen available monitoring wells. Fifteen wells were monitored during Round 184.

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 June 2019 are summarised on the attached data sheet.

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 R184. The exceptions to this are GP05\_17 and GP09\_18 which recorded peak (3.0%v/v and 31.2%v/v respectively) and steady (2.7%v/v and 30.5%v/v respectively) methane concentrations that exceed the trigger level (1%v/v for both).

Monitoring wells GP09\_18A, GP09\_18B and 18C indicate elevated concentrations of methane, at 48.2%v/v, 89.4%v/v and 81.7%v/v (steady) respectively. GP09\_18 started recording significantly elevated concentrations of methane in late 2016, and additional wells GP09\_18A, B and C were installed in early 2018 around the original monitoring well. The cause of the elevated methane at this location is currently unknown.

J:\14739\075-Interim Reporting\2019-2020 Monitoring data\Reports Area 2\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 48 months and the cause has not yet been identified.

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 'V Kate Riley'.

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

Enc. June 2019 Area 2 Gas Monitoring Data Table

Cc. Silvia Gonzalez-Lopez – Newport City Council