

Your ref: DP3733BK

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



24<sup>th</sup> September 2018

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  
E: reading@peterbrett.com

**Attn: Mr David Willey**

Dear David,

**RE: DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 2 GAS MONITORING RESULTS, ROUND 172.**

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 June 2018 (i.e. Round 172).

Gas monitoring wells are installed at approximately 100m intervals around the Area 2 landfill perimeter and there are currently fourteen available monitoring wells. Fourteen wells were monitored during Round 172. Since the previous quarterly monitoring round, GP06\_24 has been destroyed during site works, and new monitoring wells GP18\_18B and GP18\_18C have been constructed adjacent to existing monitoring well GP09\_18.

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 June 2018 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 round R172. The exceptions to this are GP09\_18 which recorded both peak (45.6%v/v) and steady state (45.6%v/v) methane concentrations that exceed the trigger level (1.0%v/v), and GP05\_20 which recorded a peak methane of 14.7%v/v that marginally exceeded the trigger level (1.5%v/v).

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**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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### 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. Additional monitoring wells have been installed adjacent to GP09\_18 and these are currently being monitored to enable an assessment to be carried out in due course.

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

**Kate Riley**

For and on behalf of

**PETER BRETT ASSOCIATES LLP**

Cc. Jonathan Davey – NCC (Docksway Disposal Site)

Enc. Gas Monitoring Data Tables