

Your ref: EPR/DP3733BK

Our ref: 14739/075/CBH/RHT/VKR/NC/AREA 2 GAS

06 December 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 187.

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 September 2019 (Round 187).

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 187.

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 September 2019 are summarised on the attached data sheet.

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 R187. The exception to this is exploratory wells GP09_18A, 18B and 18C that were installed surrounding GP09_18. These monitoring wells indicate elevated concentrations of methane, but at significantly varying concentrations (up to 90% v/v), and GP09_18 did not record elevated concentrations of methane or carbon dioxide. 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.

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_18A, B and C where elevated methane concentrations have been recorded within this area since March 2016.

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

CC. Robert Hughes – NCC (Docksway Disposal Site)
Silvia Gonzalez Lopez - NCC

Enc. Gas Monitoring Data Table