



Your Ref: DP3733BK
Our Ref: 14739/075/CBH/VKR

10th February 2020

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

Attention of: David Griffiths

Dear David,

Re: DP3733BK - Docksway Disposal Site. Latest Area 2 Groundwater Quality Monitoring Report, Round 190, December 2019.

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 a data sheet showing the results collected in December 2019 (Round 190).

Gas monitoring wells are installed at approximately 100m intervals around the Area 2 landfill perimeter and there are currently fifteen available monitoring wells. All fifteen wells were monitored during Round 190.

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 December 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 190. The exceptions to this are exploratory wells GP05_14, and GP09_18A, 18B & 18C. Monitoring wells GP09_18A, B and C indicate elevated concentrations of methane, but at significantly varying concentrations (up to 86.5% v/v), whilst GP09_18 did not record elevated concentrations of methane or carbon dioxide. GP09_18 started recording

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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.

GP05_14 recorded a peak methane concentration of 2.5%v/v, marginally in excess of the trigger level of 2.2%v/v. This concentration rapidly dissipated to the steady-state concentration of methane of 0.0%v/v.

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 Stantec will continue to provide factual reports to NRW on a quarterly basis.

Yours sincerely



Kate Riley
Associate
on behalf of Stantec UK Ltd

Encs – Gas report table

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