



Your Ref: DP3733BK

Our Ref: (332510236)/49428/3501/CBH/VKR/NC/AREA 2 GAS

10th November 2021

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

Attn: Tyrone Ward

Dear Tyrone,

Re: DP3733BK – Docksway Disposal Site. Latest Area 2 Gas Monitoring Report, Round 211, September 2021.

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 September 2021 (Round 211).

Gas monitoring wells are installed at approximately 100m intervals around the Area 2 landfill perimeter and there are currently fifteen available monitoring wells. Twelve of the fifteen wells were monitored during Round 211. Monitoring well GP09_18C has been destroyed by site activities since the previous monitoring round.

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 2021 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 211. The exceptions to this are exploratory wells GP05_17, GP09_18, and GP09_18B.

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At GP05_17, a methane concentration of 6.4% v/v was recorded, with carbon dioxide recorded at 7% v/v and depleted oxygen concentrations (6.8% v/v).

Monitoring wells GP09_18 & 18B indicate elevated concentrations of methane, at varying concentrations (up to 21.7% v/v) with marginally elevated concentrations of carbon dioxide and marginally depleted concentrations of oxygen. The concentrations of methane recorded in GP09_18B during round 211 are lower than previous monitoring rounds. 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.

During the previous monitoring round, GP05_20 recorded the highest ever concentration of methane at that location, but during Round 211 the monitoring well could not be located.

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, and 18B 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

Encls: Gas Monitoring Report Table

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