



Your Ref: DP3733BK

Our Ref: 49428/3501/CBH/VKR/NC/AREA 2 GAS/R214

2nd February 2022

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

Attn: Guy Baskerville

Dear Guy,

Re: DP3733BK – Docksway Disposal Site. Latest Area 2 Gas Monitoring Report, Round 214, Dec 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 December 2021 (Round 214).

Gas monitoring wells are installed at approximately 100m intervals around the Area 2 landfill perimeter and there are currently fourteen available monitoring wells as GP18_18C has recently been destroyed. Twelve of the fourteen wells were monitored during Round 214.

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 December 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 214. The exceptions to this are monitoring wells GP09_18, 18A & 18B where both methane and carbon dioxide concentrations exceeded the well specific trigger values, and GP05_16 where the the carbon dioxide concentration marginally exceeded the well specific trigger level.

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Monitoring wells GP09_18, and GP18_18A & 18B indicate elevated concentrations of methane, at significantly varying concentrations (up to 34.2% v/v) with corresponding depleted oxygen. During the same round none of these locations recorded exceedances of carbon dioxide (above the trigger level set for GP09_18). The methane concentrations recorded in these monitoring wells in December 2021 are significantly lower than have generally been recorded since 2016. The cause of the elevated methane at this location is 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_18, and GP18_18A and 18B. At GP09_18, and GP18_18A and 18B, 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
Senior 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