

Your ref:

Our ref: 14739/075/CBH/RHT/VKR/AREA1GAS

15th May 2019

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

Attn: David Willey

Dear David

RE: EAWML30058 - DOCKSWAY DISPOSAL SITE AREA 1 GAS MONITORING REPORT, ROUND 008AC

We write to provide the 8th aftercare gas monitoring report for Area 1 of Docksway Disposal Site (EAWML30058) since definitive closure was granted in October 2014. The monitoring was undertaken on the 1st March 2019 and excluded borehole NCC1 as this was overgrown at the time of the monitoring.

We enclose with this report a data sheet of results for this round.

Methane

Methane concentrations were recorded above the methane Trigger Level (1%) in one of the five wells monitored during R008AC. The measured concentration above the trigger level (1%) was 22.1% (GP12_27).

Carbon Dioxide

Carbon dioxide concentrations were recorded above the carbon dioxide Trigger Level (1.5%) in three of the five wells monitored during R008AC. Measured concentrations above the trigger level range between 1.6% and 12.1% (GP12_27).

Oxygen

Oxygen concentrations were recorded below the minimum Trigger Level (18%) in three of the five wells monitored during R008AC. Measured concentrations below the minimum trigger level range between 14.8% and 0.2% (GP12_27).

Groundwater Levels

The groundwater levels in Area 1 were monitored at the three compliance monitoring wells GW07_07, GW03_02, and GW03_05, at levels of 2.2m OD, 5.5m OD and 2.0m OD respectively

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Leachate Dip Measurements

The level of leachate across Area 1 was monitored in LF11_02, LF11_04, LF11_05 and LF11_07 in March 2019 and was recorded at levels of between 6.0m AOD and 12.4 m AOD.

Concluding Remarks

In general, methane, carbon dioxide and oxygen concentrations continue to exceed the Trigger Levels provided in the Docksway Disposal Site Waste Management Licence for Area 1 at many of the monitoring locations. The data appears to be within the overall general trend for the datasets and no new adverse trends are apparent.

If you have any questions regarding the data or its format, then please do not hesitate to contact us.

Yours sincerely



Kate Riley

Associate

For and on behalf of

PETER BRETT ASSOCIATES LLP

Enc Area 1 Gas Data Table – March 2019

Cc. Silvia Gonzalez-Lopez – Newport City Council