



Your Ref: EAWML30058  
Our Ref: 49428/3501/CBH/VKR

22<sup>nd</sup> February

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

**Attn: Tyrone Ward**

Dear Tyrone,

**Re: EAWML30058 - DOCKSWAY DISPOSAL SITE AREA 1 GAS MONITORING REPORT, DECEMBER 2020 R012AC**

We write to provide the 12<sup>th</sup> 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 10<sup>th</sup> December 2020 and excludes boreholes NCC\_1, NCC\_2, NCC\_3, NCC\_5 and NCC\_6 as they could not be located and GP12\_27 as this was not accessible due to site activity.

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

### **Methane**

Methane concentrations were recorded above the methane Trigger Level (1%) in four of the seven wells monitored during R012AC. The measured concentrations above the trigger level (1%) range between 1.2% (GP03\_13a) and 50% (GP03\_01).

### **Carbon Dioxide**

Carbon dioxide concentrations were recorded above the carbon dioxide Trigger Level (1.5%) in four of the seven wells monitored during R012AC. Measured concentrations above the trigger level range between 12.3% (GP03\_03a) and 23.8% (GP03\_02).

### **Oxygen**

Oxygen concentrations were recorded below the minimum Trigger Level (18%) in four of the seven wells monitored during R012AC. Measured concentrations below the minimum trigger level range between 0.8% (GP03\_02) and 1.2% (GP03\_13).

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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**  
on behalf of Stantec UK Ltd

Encs: Gas data

CC: Robert Hughes – NCC (Docksway Disposal Site)  
Sylvia Gonzalez-Lopez - NCC

Docksway Disposal Site - EAWML30058

Job No.

49428

Weather Conditions: Calm and Cloudy

Date Sampled:

10/12/2020

Borehole	Barometric Pressure (mBars)	Differential Pressure (mBars)	Steady State Methane (% Volume)	Peak Methane (% Volume)	Carbon Dioxide (% Volume)	Oxygen (% Volume)	Gas flow - (l/hr)
GP07_05a	999.0	0.5	0.0	0.2	1.1	20.1	-8.1
GP12_26	999.0	-0.1	0.0	0.0	5.3	12.9	0.0
GP09_09	998.0	-0.2	0.0	0.0	0.1	21.8	0.0
NCC2	Not monitored						
NCC3							
NCC5							
NCC6							
NCC1							
GP03_03a							
GP03_13	999.0	0.1	15.5	15.5	20.4	1.2	0.1
GP03_02	998.0	-0.1	21.4	21.4	23.8	0.8	0.0
GP12_27	Not monitored						
GP03_01	998	0	50	50	17	1	0.0

Equipment Used: GASDATA LMSxi and GF60 flow meter

Key:

- LEL Lower Explosive Limit
- xx Methane Concentration above Trigger Level (1%)
- xx Carbon Dioxide Concentration above Trigger Level (1.5%)
- xx Oxygen Concentration below Minimum Trigger Level (18%)
- N/D Not determined