



Our Ref: AN/315/046

30th April 2015.

For the Attention of Amanda Langstaff

Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Dear Ms Langstaff,

Bagillt Landfill Site (WML 37102) – Monitoring submissions for January to March 2015.

We write on behalf of the permit holder.

Please find enclosed the environmental monitoring data collected between January to March 2015. The following is included in this submission:

Gas Monitoring Data: 25th February 2015
Groundwater Monitoring Data: 125th February 2015
Groundwater/Surface water analysis: 25th February 2015

Please note, when undertaking the monitoring in February, the monitoring technician noticed that a number of boreholes which had been tampered with, namely BH1, BH2 and BH13. These boreholes were repaired shortly afterwards, with replacement bungs and locks fitted.

If you need to discuss any matter in relation to the above then please do not hesitate to contact me.

Yours sincerely
For VEOLIA ENVIRONMENTAL SERVICES

A handwritten signature in black ink, appearing to read 'Michael Connelly'.

Michael Connelly
Technical Coordinator – Landfill

Encs – Monitoring data reports for January to March 2015.

BAGILLT - Perimeter Gas Monitoring Data, January to March 2015.



From : 25/02/2015

To : 25/02/2015

25/02/2015

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
1	1014	0	0.1	17.9	0
10	1015	0	0.7	18.5	0
13	1014	0	0.1	18	0
14	1014	0	0.1	18.1	0
2	1013	0	0.1	17.8	0
3	1013	0	0.2	18	0
9	1014	0	0.1	18.6	0
BH16	1013	0	0.3	17.6	0
CHAMBER	1012	0	0.2	18.1	0
GMBH17	1013	0	0.1	18.5	0

Issued By:

From : 25/02/2015

To : 25/02/2015

25/02/2015

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
GV 1	1012	0	0.1	17.6	0
GV 2	1011	0	0.1	17.7	0
GV15	1013	0	1	16.9	0

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From : 25/02/2015

To : 25/02/2015

25/02/2015

Sample Point	Dip to water (m)	Groundwater (m AOD)
1	0.96	4.23
10	4.16	4.23
13	1.24	4.04
9	4.79	3.79

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From : 25/02/2015

To : 25/02/2015

25/02/2015

Sample Point	Amml. N (mg/l)	Cadmium (UG/L)	Chloride (mg/l)	Chromium (mg/l)	COD (mg/l)
1	0.0598	4.65	12100	0.00771	244
13	0.182	1.53	7370	0.00371	197
9	0.0441	0.573	10700	0.00681	108
River Dee	0.144	<0.03	1700	0.00191	59

Sample Point	Copper (mg/l)	E.C (µS/cm)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
1	0.0099	30100	<0.19	0.000972	0.0161
13	0.00795	19700	0.124	0.000456	0.0154
9	0.00618	27600	0.472	0.000414	0.0164
River Dee	0.00169	5220	0.038	0.000256	0.00199

Sample Point	pH (Lab)	Phenol (UG/L)	Potassium (mg/l)	Sulphate (mg/l)	TDS (mg/l)
1	8.04	0.66	212	1640	30900
13	7.87	0.83	152	1090	19000
9	7.47	0.74	<10	1500	13100
River Dee	7.78	1.18	36.3	252	3830

Sample Point	TPH >C6-C8 (UG/L)	x.Comments	Zinc (mg/l)
1	<10		0.335
10		Insufficient water to	
13	<10	Requires bung	0.152
9	<10		0.0599
River Dee	<10		0.00542

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