



Our Ref: AN/315/047

24th July 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 April to June 2015.

We write on behalf of the permit holder.

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

Gas Monitoring Data: 14th May 2015
Groundwater Monitoring Data: 14th May 2015
Groundwater/Surface water analysis: May 2015

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 'M Connelly'.

Michael Connelly
Technical Coordinator – Landfill

Encs – Monitoring data reports for April to June 2015.

BAGILLT - Perimeter Gas Monitoring Data, April to June 2015.



From : 14/05/2015

To : 14/05/2015

14/05/2015

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
1	1016	0	0.1	18.8	0
10	1014	0	1.4	18.9	0
13	1016	0	0.2	18.9	0
14	1016	0	2.8	16.3	0
2	1015	0	0.3	18.3	0
3	1015	0	0.2	19.1	0
9	1014	0	4.9	14.7	0
BH16	1016	0	0.5	18.7	0
CHAMBER	1015	0	0.2	19.2	0
GMBH17	1016	0	0.2	19.5	0

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BAGILLT - Gas Vent Monitoring Data, April to June 2015.



From : 14/05/2015

To : 14/05/2015

14/05/2015

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
GV 1	1010	15.1	6.8	8.2	0
GV 2	1014	0	0.1	19.2	0
GV15	1016	0	4.4	9.7	0

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BAGILLT - Groundwater Levels, April to June 2015.



From : 14/05/2015

To : 14/05/2015

14/05/2015

Sample Point	Dip to water (m)	Groundwater (m AOD)
1	1.89	3.30
10	4.16	4.23
13	1.31	3.97
9	5.82	2.76

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From : 14/05/2015

To : 14/05/2015

14/05/2015

Sample Point	Amml. N (mg/l)	Cadmium (UG/L)	Chloride (mg/l)	Chromium (mg/l)	COD (mg/l)
13	0.052	0.636	3430	0.00291	92.2
9	0.026	0.119	4700	0.0103	158
River Dee	0.147	0.057	16500	0.00343	460

Sample Point	Copper (mg/l)	E.C (µS/cm)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
13	0.0067	10400	<0.19	0.000152	0.00943
9	0.00414	14100	<0.19	0.0001	0.00901
River Dee	0.00837	39600	<0.19	0.000069	0.0145

Sample Point	pH (Lab)	Phenol (UG/L)	Potassium (mg/l)	Sulphate (mg/l)	TDS (mg/l)
13	7.77	1.22	78.3	675	7830
9	7.58	<0.5	103	802	11400
River Dee	8.02	0.74	301	2180	19200

Sample Point	TPH >C6-C8 (UG/L)	x.Comments	Zinc (mg/l)
10		Dry	
13	<10		0.0735
9	<10		0.0222
River Dee	<10		0.00522

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