



Our Ref: AN/315/048

30th October 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 July to September 2015.

We write on behalf of the permit holder.

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

Gas Monitoring Data: 11th August 2015
Groundwater Monitoring Data: 11th August 2015
Groundwater/Surface water analysis: 11th August 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 'Michael Connelly'.

Michael Connelly
Technical Coordinator – Landfill

Encs – Monitoring data reports for July to September 2015.

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BAGILLT - Perimeter Gas Monitoring Data, July to September 2015.



From : 11/08/2015

To : 11/08/2015

11/08/2015

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
1	1021	0	0.2	19.5	0
10	1022	0	2	18.3	0
13	1021	0	0.4	19.3	0
14	1021	0	1.2	18.4	0
2	1019	0	0.1	19.5	0
3	1020	0	0.2	19.6	0
9	1022	0	0.4	19.6	0
BH16	1020	0	0.2	19.4	0
CHAMBER	1018	0	0.2	19.7	0
GMBH17	1020	0	0.1	20	0

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BAGILLT - Gas Vent Monitoring Data, July to September 2015.



From : 11/08/2015

To : 11/08/2015

11/08/2015

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
GV 1	1019	0	0.1	19.9	0
GV 2	1020	0	0.1	19.9	0
GV15	1019	0	0.9	18.7	0

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From : 11/08/2015

To : 11/08/2015

11/08/2015

Sample Point	Dip to water (m)	Groundwater (m AOD)
1	1.89	3.30
10	4.16	4.23
13	1.41	3.87
9	6.46	2.12

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To : 11/08/2015

11/08/2015

Sample Point	Amml. N (mg/l)	Cadmium (UG/L)	Chloride (mg/l)	Chromium (mg/l)	COD (mg/l)
13	0.0971	4.23	8350	0.00491	194
9	0.0424	0.368	7660	0.00445	212
River Dee	0.199	<0.3	18000	0.00807	426

Sample Point	Copper (mg/l)	E.C (µS/cm)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
13	0.0107	18300	<0.19	0.000708	0.0201
9	<0.0085	16800	<0.19	0.000225	0.012
River Dee	<0.0085	36300	<0.19	0.000265	0.00872

Sample Point	pH (Lab)	Phenol (UG/L)	Potassium (mg/l)	Sulphate (mg/l)	TDS (mg/l)
13	7.46	0.82	157	1180	19600
9	7.2	0.61	158	1120	18200
River Dee	8.08	<0.5	346	2360	42400

Sample Point	TPH >C6-C8 (UG/L)	x.Comments	Zinc (mg/l)
10		Dry	
13	<10		0.266
9	<10		0.0265
River Dee	<10		0.00483

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