



Our Ref: AN/315/045

30th January 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 Quarter 4, 2014

We write on behalf of the permit holder.

Please find enclosed the environmental monitoring data collected between October and December 2014. The following is included in this submission:

Gas Monitoring Data: 11th November 2014.

Groundwater Monitoring Data: 11th November 2014.

Groundwater/Surface water analysis: 11th November 2014.

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 October to December 2014.

BAGILLT - Gas Monitoring Data, October to December 2014.



From : 11/11/2014

To : 11/11/2014

11/11/2014

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
1	995	0	0.4	19.5	0.62
10	996	0	0.9	20.1	0.19
13	995	0	0.1	19.8	0.33
14	996	0	3.9	14.8	0.41
2	996	0	3.2	16.3	0.59
3	997	0	0.1	17.7	0.62
9	995	0	6.3	15.3	0.33
BH16	997	0	0.2	17.9	0.76
CHAMBER	996	0	0.3	17.6	0.81
GMBH17	995	0	0.2	19.9	0.69
GV 1	995	3.4	3.2	15.9	0.28
GV 2	995	0	0.1	20.1	0.14
GV15	996	0	3.4	12.5	0.84

Issued By:

From : 11/11/2014

To : 11/11/2014

11/11/2014

Sample Point	Dip to water (m)	Groundwater (m AOD)
1	0.95	4.24
10	4.16	4.23
13	1.35	3.93
9	7.56	1.02

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BAGILLT - Water Quality, October to December 2014.



From : 11/11/2014

To : 11/11/2014

11/11/2014

Sample Point	Amml. N (mg/l)	Cadmium (UG/L)	Chloride (mg/l)	Chromium (mg/l)	COD (mg/l)
1	0.0764	8.59	11600	0.0102	244
13	0.0413	5.29	11100	0.00971	273
River Dee	0.307	<0.03	4560	0.00864	161

Sample Point	Copper (mg/l)	E.C (µS/cm)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
1	0.0119	29000	<0.19	0.000796	0.0329
13	0.00839	27300	<0.019	0.000422	0.0366
River Dee	0.00243	12600	<0.019	0.000247	0.0047

Sample Point	pH (Lab)	Phenol (UG/L)	Potassium (mg/l)	Sulphate (mg/l)	TDS (mg/l)
1	7.43	<0.5	255	1670	30100
13	7.4	0.92	4.9	1550	27400
River Dee	7.7	<0.5	2.68	619	10900

Sample Point	TPH >C6-C8 (UG/L)	x.Comments	Zinc (mg/l)
1	<10		0.738
10		Insufficient water to sample	
13	<10		0.258
9		Insufficient water to sample	
River Dee	<10		0.00881

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