



Our Ref: GP/315/049

31st January 2016.

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 October to December 2015.

We write on behalf of the permit holder, in relation to the above site.

Please find enclosed the environmental monitoring data collected between October and December 2015. The following is included in this submission:

Gas Monitoring Data:	4 th November 2015.
Groundwater Monitoring Data:	4 th November 2015.
Groundwater/Surface water analysis:	4 th November 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 ES LANDFILL

A handwritten signature in black ink, appearing to be 'Gavin'.

Gavin Pattman
Data Monitoring Technician
Encs – Monitoring data reports for October to December 2015.

Veolia ES Landfill Ltd

Norwood Industrial Estate, Rotherham Road
Killamarsh, Sheffield, Yorkshire S21 2DR
Tel: +44 (0)20 3567 6420

www.veolia.co.uk

Registered Office:

210 Pentonville Road, London N1 9JY
Registered in England & Wales: 00997695

A group company of
Veolia UK Limited



From : 04/11/2015

To : 04/11/2015

04/11/2015

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
1	1013	0	0.3	18.6	0
10	1012	0	0.4	19	0
13	1014	0	0.7	18.4	0
14	1014	0	0.5	18.5	0
2	1013	0	0.4	17.2	0
3	1013	0	0.3	18.6	0
9	1013	0	1.5	18	0
BH16	1013	0	0.3	18.5	0
CHAMBER	1012	0	0.2	18.7	0
GMBH17	1013	0	0.3	18.4	0

Issued By:

From : 04/11/2015

To : 04/11/2015

04/11/2015

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
GV 1	1013	0	0.2	19.2	0
GV 2	1012	0	0.2	19.3	0
GV15	1013	0	3.4	14.6	0

Issued By:

From : 04/11/2015

To : 04/11/2015

04/11/2015

Sample Point	Dip to water (m)	Groundwater (m AOD)
1	1.03	4.16
10	4.16	4.23
13	1.38	3.90
9	5.32	3.26

Issued By:

From : 04/11/2015

To : 04/11/2015

04/11/2015

Sample Point	Amml. N (mg/l)	Cadmium (UG/L)	Chloride (mg/l)	Chromium (mg/l)	COD (mg/l)
1	0.26	6.62	12600	0.00948	370
13	0.0328	10.7	8980	0.00406	134
9	0.0427	1.17	13000	0.011	270
River Dee	0.349	0.483	11900	0.00322	207

Sample Point	Copper (mg/l)	E.C (µS/cm)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
1	0.0109	27300	0.526	0.00137	0.0239
13	0.00739	22000	<0.19	0.000322	0.0141
9	0.00532	28200	<0.19	0.00047	0.0224
River Dee	0.00429	26500	<0.19	0.000338	0.01

Sample Point	pH (Lab)	Phenol (UG/L)	Potassium (mg/l)	Sulphate (mg/l)	TDS (mg/l)
1	7.66	<0.5	253	1640	29300
13	7.97	<0.5	186	1260	21600
9	7.25	<0.5	260	1680	30700
River Dee	7.95	<0.5	248	1560	26600

Sample Point	TPH >C6-C8 (UG/L)	Zinc (mg/l)
1	<10	0.613
13	<10	0.155
9	<10	0.0454
River Dee	<10	0.013

Issued By: