



Our Ref: GP/315/050

30th April 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 January to March 2016.

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

Please find enclosed the environmental monitoring data collected between January to March 2016.
The following is included in this submission:

Gas Monitoring Data:	10 th February 2016.
Groundwater Monitoring Data:	10 th February 2016.
Groundwater/Surface water analysis:	10 th February 2016.

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 read 'Gavin'.

Gavin Pattman
Data Monitoring Technician
Encs – Monitoring data reports for January to March 2016

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A group company of
Veolia UK Limited



From : 10/02/2016

To : 10/02/2016

10/02/2016

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
1	996	0	0.1	18.6	-0.12
10	997	0	0.1	19.6	-0.17
13	997	0	0.3	18.7	-0.12
14	996	0	0.1	19.1	-0.22
2	995	0	0.1	18.3	-0.1
3	995	0	0.2	18.1	-0.27
9	997	0	1.1	19	-0.09
BH16	995	0	0.1	17.9	-0.1
CHAMBER	994	0	0.2	18.2	-0.29
GMBH17	995	0	0.1	19.5	-0.12

Issued By:

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10/02/2016

Sample Point	Baro Press (mb)	CH4 (%vol)	CO2 (%vol)	O2 (%vol)	Rel Pressure (mb)
GV 1	994	0	0.1	19.6	-0.19
GV 2	996	0	0.2	19.5	-0.15
GV15	996	0	0.6	10.6	-0.05

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From : 10/02/2016

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10/02/2016

Sample Point	Dip to water (m)	Groundwater (m AOD)
1	0.85	4.34
10	4.16	4.23
13	1.02	4.26
9	4.69	3.89

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To : 10/02/2016

10/02/2016

Sample Point	Amml. N (mg/l)	Cadmium (UG/L)	Chloride (mg/l)	Chromium (mg/l)	COD (mg/l)
1	0.122	8.92	9270	0.0174	340
13	4.18	0.455	2780	0.0119	105
River Dee	0.126	0.061	15000	0.00902	308

Sample Point	Copper (mg/l)	E.C (µS/cm)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
1	0.0199	22900	<0.19	0.00285	0.0441
13	0.0155	8050	<0.19	0.000879	0.0149
River Dee	0.0136	35100	<0.19	0.00234	0.0466

Sample Point	pH (Lab)	Phenol (UG/L)	Potassium (mg/l)	Sulphate (mg/l)	TDS (mg/l)
1	7.45	<0.5	174	1230	22000
13	7.64	<0.5	63	543	6520
River Dee	7.9	<0.5	320	2000	35700

Sample Point	TPH >C6-C8 (UG/L)	Zinc (mg/l)
1	<10	0.935
13	<10	0.0847
River Dee	<10	0.0106

9 – Sample unable to be obtained due to damaged equipment when retrieving sample. Borehole is to be remediated during 2016.

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