



Our Ref: JC/BAG/080

27th October 2023

For the Attention of Steven White

Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Dear Mr White,

Bagillt Landfill Site

Quarterly Environmental Monitoring Data Submission (July to September 2023)

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

Please find enclosed the environmental monitoring data collected during the period of July to September 2023.

The following is included in this submission:

- Gas monitoring data
- Groundwater level monitoring data
- Groundwater/surface water analysis

If you need to discuss any matter in relation to the above then please contact us.

For VEOLIA ES Landfill

A handwritten signature in black ink, appearing to read 'Joel Candlin', written over a horizontal line.

Joel Candlin

Technical Coordinator – Landfill (North/Midlands)

Encs – Environmental Monitoring Data Returns for July to September 2023

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

Bagillt - Perimeter Gas and Gas Vent Monitoring



From : 24/08/2023

To : 24/08/2023

24/08/2023

Sample Point	Baro Press (mbar)	CH4 (%v/v)	CO2 (%v/v)	O2 (%v/v)	Rel Press (mbar)
1	1014	0	0.1	19.8	-0.07
10	1014	0	3.6	17.5	-0.09
13	1014	0	0.4	19.2	-0.09
14	1014	0	0.1	19.2	-0.05
17	1013	0	0.2	19.6	-0.07
2	1013	0	0.2	19.5	-0.09
3	1015	0	0.1	19.6	-0.07
9	1013	0	1.2	18.2	-0.04
BH16	1014	0	1.2	18.9	0.02
CHAMBER	1014	0	0.1	19.5	-0.05
GV15	1014	0	2.7	15.1	-0.05

GV1 & GV2 - Unable to gain access

Bagillt - Groundwater Levels



From : 24/08/2023

To : 24/08/2023

24/08/2023

Sample Point	Dip to Water (m)	Water Level (mAOD)
1	1.22	3.97
10	4.2	4.19
13	1.22	4.06
9	7.01	1.57

Bagillt - Water Analysis



From : 24/08/2023

To : 24/08/2023

24/08/2023

Sample Point	Ammoniacal Nitrogen (mg/l)	Chloride (mg/l)	COD (mg/l)	E.C (us/cm)	pH (pH Units)
1	0.25	11300	<100	26800	6.9
13	0.19	6210	<50	16000	6.9
9	0.21	3680	<25	10600	6.8
River Dee	0.11	2410		7050	7.6

Sample Point	Potassium (mg/l)	Sulphate (mg/l)
1	314	1520
13	180	807
9	154	586

BH 10 - Insufficient water to obtain sample