

Permit Number: NP3233XX Operator: Tradebe Gwent Limited

Facility: Bridgend Waste Management Centre Form Number: Sewer1 / 17/08/22

Reporting of emissions to sewer for the period from 01/10/2024 to 31/12/2024

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
S1	Daily Discharge	1,400 m ³ /day (700 m ³ /day Trade Effluent and 700 m ³ /day Septic Tank Waste)	Continuous ³	349	Magflo	28/10/2024 11:51	4.60%
	Peak Flow Rate	10 l/s		9.8	Magflo	05/11/2024 15:17	4.60%
	pH	6-10 pH units	Once every day	6.53 9.43	pH Meter	07/10/2024 08.15 17/10/2024 07:30	+/- 0.5
	Temperature	43 C	Once every day	20.0	Temp Probe	17/10/2024 07:30	
	Adsorbable Organically Bound Halogen (AOX)	1 mg/l	Once every quarter	0.599	Colorimetry	18/12/2024 11:30	±20 %
	Benzene, Toluene, Ethylbenzene, Xylene (BTEX)	No Limit	Once Every quarter	ND	HS-GC-MS	18/12/2024 11:30	±25 %
	Free Cyanide (CN ⁻)	0.1 mg/l	Once every day	ND	Colorimetry	07/10/2024 08.15	±0.005 mg/L
	Hydrocarbon Oil Index (HOI)	10 mg/l	Once every quarter	0.625	GC -FID	18/12/2024 11:30	±25 %
	Arsenic (As)	0.1 mg/l	Once every day	0.1	ICP-OES	08/10/2024 07:00	±5 %
	Cadmium (Cd)	0.1 mg/l	Once every day	0.002	ICP-OES	12/12/2024 07:30	±5 %
	Chromium (Cr)	0.2 mg/l	Once every day	0.2	ICP-OES	27/11/2024 09.15	±5 %
	Copper (Cu)	0.5 mg/l	Once every day	0.1	ICP-OES	21/11/2024 08.00	±5 %

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
	Nickel (Ni)	1 mg/l	Once every day	0.2	ICP-OES	15/11/2024 08.10	±5 %
	Lead (Pb)	0.3 mg/l	Once every day	0.05	ICP-OES	18/12/2024 08.00	±5 %
	Zinc (Zn)	2 mg/l	Once every day	0.5	ICP-OES	07/11/2024 07.40	±5 %
	Hexavalent Chromium (Cr(VI))	0.1 mg/l	Once every quarter	<0.03	Colorimetry	18/12/2024 11:30	±25 %
	Mercury (Hg)	10 µg/l	Once every day	0.002	Cold Vapor	24/10/2024 10.19	±25 %
	PFOA	No Limit (ng/l)	Once every six months	784	LC-MS/MS	18/12/2024 11:30	±25 %
	PFOS	No Limit (ng/l)	Once every six months	138	LC-MS/MS	18/12/2024 11:30	±25 %

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed 

Date 27/02/2025