

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 01/07/2023 to 31/12/2023

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	172	Magflo	05/11/2023 15.41	4.60%
	Peak Flow Rate	10 l/s		7.9	Magflo	10/12/2023 07.13	4.60%
	Adsorbable Organically Bound Halogen (AOX)	1 mg/l	Once every quarter	1.01	Colorimetry	07/12/2023	±20 %
	Benzene, Toluene, Ethylbenzene, Xylene (BTEX)	No Limit	Once Every quarter	<5ppb	HS-GC-MS	07/12/2023	±25 %
	Free Cyanide (CN ⁻)	0.1 mg/l	Once every day	ND	Colorimetry	03/10/2023 07:15	±0.005 mg/L
	Hydrocarbon Oil Index (HOI)	10 mg/l	Once every quarter	0.39	GC -FID	07/12/2023	±25 %
	Arsenic (As)	0.1 mg/l	Once every day	0.06	ICP-OES	31/07/2023 07:15	±25 %
	Cadmium (Cd)	0.1 mg/l	Once every day	0.042	ICP-OES	21/10/2023 07:35	±25 %
	Chromium (Cr)	0.3 mg/l	Once every day	0.22	ICP-OES	27/10/2023 06:10	±25 %
	Copper (Cu)	0.5 mg/l	Once every day	0.8	ICP-OES	09/11/2023 07:20	±25 %

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	0.99	ICP-OES	30/11/2023 07:10	±25 %
	Lead (Pb)	0.3 mg/l	Once every day	0.05	ICP-OES	01/12/2023 06:55	±25 %
	Zinc (Zn)	2 mg/l	Once every day	1.86	ICP-OES	14/08/2023 08:19	±25 %
	Hexavalent Chromium (Cr(VI))	0.1 mg/l	Once every quarter	0.03	Colorimetry	07/12/2023	±25 %
	Mercury (Hg)	10 µg/l	Once every day	<0.2	Cold Vapor	07/12/2023	±25 %
	PFOA	No Limit	Once every six months	566ng/l	LC-MS/MS	07/12/2023	±25 %
	PFOS	No Limit	Once every six months	140ng/l	LC-MS/MS	07/12/2023	±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

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Date 07/02/2024