

Permit Reference Number: **SP3531SK**

Operator: **Tradebe Ltd**

Installation: **Gwent Waste Management Centre**

Form Number: **S1**

Reporting of Emissions to Sewer for the period from01/04/2021.....to.....30/06/2021.....

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]		Test Method ^[2]	Sample Date and Times ^[3]		Accreditation/ Certification ^[4]	Uncertainty ^[5]
S1	Ammonia un-ionised as N ^[6]	N/a	30.09	mg/L	2:550 using Aquachem 600	30 Apr 21	12:20hrs	UKAS	+/- 3%
S1	Cyanide	N/a	0.087	mg/L	2:412 using SEAL AA3	25 May 21	13:30hrs	UKAS	+/- 3%
S1	Suspended solids	N/a	409	mg/L	2:724 using gravimetry	26 Apr 21	11:58hrs	UKAS	+/- 1%
S1	Flow	N/a	7.2	L/s	Mag Flow	28 May 21	07:05hrs	MCERTS	+/- 2%
S1	Lead & its compounds (Total Pb)	N/a	0.2	mg/L	2:311 using ICP-MS	30 Apr 21	12:20hrs	UKAS	+/- 5%
S1	Nickel & its compounds (Total Ni)	N/a	0.8	mg/L	2:311 using ICP-MS	26 Apr 21	11:58hrs	UKAS	+/- 5%
S1	Zinc & its compounds (Total Zn)	N/a	0.4	mg/L	2:311 using ICP-MS	10 Jun 21	13:15hrs	UKAS	+/- 5%
S1	Chromium & its compounds (Total Cr)	N/a	0.2	mg/L	2:311 using ICP-MS	25 May 21	13:30hrs	UKAS	+/- 5%
S1	Copper & its compounds (Total Cu)	N/a	0.8	mg/L	2:311 using ICP-MS	25 May 21	13:30hrs	UKAS	+/- 5%
S1	pH	N/a	7.50 9.20	pH units	2:721 using meter	04 Jun 21 25 May 21	10:48hrs 13:30hrs	UKAS	+/- 0.5

- [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 a reference number is given this refers to Wessex Water UKAS accredited lab (0905) documented in-house methods to meet the requirements of the Environment Agency MCERTS Performance Standard – sampling and chemical testing of untreated sewage, sewage effluent and trade effluent and the instrument used. In other cases the principal technique is stated, e.g. colorimetry.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.
- [4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.
- [5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated
- [6] 'Ammonia un-ionised as N' calculated using Ammonia Calculator located on <http://home.eng.iastate.edu/~jea/w3-research/free-ammonia/nh3.html> using Total Ammonia = 114mg/L, pH = 7.5 and Temperature = 20.6°C.

SignedAlex Morris.....
(Authorised to sign as representative of the Operator)

Date.....12/07/2021.....