

Permit Reference Number: **SP3531SK**

Operator: **Tradebe Ltd**

Installation: **Gwent Waste Management Centre**

Form Number: **S1**

Reporting of Emissions to Sewer for the period from01/07/2020.....to.....30/09/2020.....

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	0.57	mg/L	2:550 using Aquachem 600	22 Jul 20 07:30hrs	UKAS	+/- 3%
S1	Cyanide	N/a	ND	mg/L	2:412 using SEAL AA3		UKAS	+/- 3%
S1	Suspended solids	N/a	573	mg/L	2:724 using gravimetry	30 Sept 20 06:48hrs	UKAS	+/- 1%
S1	Flow	N/a	26.2	L/s	Mag Flow	17 Sept 20 07:15hrs	MCERTS	+/- 2%
S1	Lead & its compounds (Total Pb)	N/a	0.3	mg/L	2:311 using ICP-MS	28 Jul 20 13:00hrs	UKAS	+/- 5%
S1	Nickel & its compounds (Total Ni)	N/a	1.5	mg/L	2:311 using ICP-MS	29 Jul 20 13:00hrs	UKAS	+/- 5%
S1	Zinc & its compounds (Total Zn)	N/a	1.47	mg/L	2:311 using ICP-MS	07 Aug 20 07:15hrs	UKAS	+/- 5%
S1	Chromium & its compounds (Total Cr)	N/a	0.7	mg/L	2:311 using ICP-MS	23 Sept 20 13:44hrs	UKAS	+/- 5%
S1	Copper & its compounds (Total Cu)	N/a	0.3	mg/L	2:311 using ICP-MS	01 Jul 20 08:05hrs	UKAS	+/- 5%
S1	pH	N/a	6.70 9.30	pH units	2:721 using meter	27 Jul 20 06:00hrs 01 Jul 20 07:00hrs	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 = 187mg/L, pH = 6.86 and Temperature = 20.9°C.

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

Date.....22/10/2020.....