Permit Reference Number: **SP3531SK**

Operator: **Tradebe Ltd**

Installation: **Gwent Waste Management Centre**

Form Number: **S1**

Reporting of Emissions to Sewer for the period from ……01/04/2020…….to……30/06/2020……

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	1.48	mg/L	2:550 using Aquachem 600	15 Jun 20	11:30hrs	UKAS	+/- 3%
S1	Cyanide	N/a	0.171	mg/L	2:412 using SEAL AA3	29 Apr 20	13:44hrs	UKAS	+/- 3%
S1	Suspended solids	N/a	486	mg/L	2:724 using gravimetry	15 Apr 20	13:48hrs	UKAS	+/- 1%
S1	Flow	N/a	3.7	L/s	Mag Flow	05 Jun 20	07:15hrs	MCERTS	+/- 2%
S1	Lead & its compounds (Total Pb)	N/a	0.2	mg/L	2:311 using ICP-MS	15 Apr 20	13:48hrs	UKAS	+/- 5%
S1	Nickel & its compounds (Total Ni)	N/a	1.6	mg/L	2:311 using ICP-MS	26 May 20	13:15hrs	UKAS	+/- 5%
S1	Zinc & its compounds (Total Zn)	N/a	0.6	mg/L	2:311 using ICP-MS	26 May 20	13:15hrs	UKAS	+/- 5%
S1	Chromium & its compounds (Total Cr)	N/a	0.2	mg/L	2:311 using ICP-MS	29 Apr 20	13:44hrs	UKAS	+/- 5%
S1	Copper & its compounds (Total Cu)	N/a	0.9	mg/L	2:311 using ICP-MS	26 May 20	13:15hrs	UKAS	+/- 5%
S1	pH	N/a	7.20 8.20	pH units	2:721 using meter	14 May 20 15 Apr 20	15:01hrs 13:48hrs	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^{o}C.

Signed …… ……Alex Morris……. Date……16/07/2020……..
(Authorised to sign as representative of the Operator)