Permit Reference Number: **SP3531SK**

Operator: **Tradebe Ltd**

Installation: **Gwent Waste Management Centre**

Form Number: **S1**

**Reporting of Emissions to Sewer for the period from ……01/01/2020…….to……31/03/2020……**

| 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 | 7.96 | mg/L | 2:550 using Aquachem 600 | 21 Feb 20 | 13:30hrs | UKAS | +/- 3% |
| S1 | Cyanide | N/a | 0.415 | mg/L | 2:412 using SEAL AA3 | 28 Feb 20 | 14:00hrs | UKAS | +/- 3% |
| S1 | Suspended solids | N/a | 228 | mg/L | 2:724 using gravimetry | 28 Feb 20 | 14:00hrs | UKAS | +/- 1% |
| S1 | Flow | N/a | 26.1 | L/s | Mag Flow | 11 Feb 20 | 08:15hrs | MCERTS | +/- 2% |
| S1 | Lead & its compounds (Total Pb) | N/a | 0.2 | mg/L | 2:311 using ICP-MS | 21 Feb 20 | 13:30hrs | UKAS | +/- 5% |
| S1 | Nickel & its compounds (Total Ni) | N/a | 0.9 | mg/L | 2:311 using ICP-MS | 28 Feb 20 | 14:00hrs | UKAS | +/- 5% |
| S1 | Zinc & its compounds (Total Zn) | N/a | 2.4 | mg/L | 2:311 using ICP-MS | 21 Feb 20 | 13:30hrs | UKAS | +/- 5% |
| S1 | Chromium & its compounds (Total Cr) | N/a | 0.1 | mg/L | 2:311 using ICP-MS | 21 Feb 20 | 13:30hrs | UKAS | +/- 5% |
| S1 | Copper & its compounds (Total Cu) | N/a | 1.0 | mg/L | 2:311 using ICP-MS | 28 Feb 20 | 14:00hrs | UKAS | +/- 5% |
| S1 | pH | N/a | 8.00<br>11.20 | pH units | 2:721 using meter | 08 Jan 20<br>28 Feb 20 | 13:00hrs<br>14:00hrs | 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 = 122mg/L, pH = 8.4 and Temperature = 15.2$^{o}$C.

Signed …… ……Alex Morris……. Date……05/05/2020……..
(Authorised to sign as representative of the Operator)