

Permit Reference Number: **SP3531SK**

Operator: **Tradebe Ltd**

Installation: **Gwent Waste Management Centre**

Form Number: **S1**

Reporting of Emissions to Sewer for the period from**01/04/2022**.....to.....**30/06/2022**.....

| 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 | 0.291 | mg/L | 2:550 using Aquachem 600 | 21 Apr 22 | 10:21hrs | UKAS | +/- 3% |
| S1 | Cyanide | N/a | 0.277 | mg/L | 2:412 using SEAL AA3 | 06 May 22 | 10:00hrs | UKAS | +/- 3% |
| S1 | Suspended solids | N/a | 252 | mg/L | 2:724 using gravimetry | 17 May 22 | 11:40hrs | UKAS | +/- 1% |
| S1 | Flow | N/a | 8.60 | L/s | Mag Flow | 03 May 22 | 08:07hrs | MCERTS | +/- 2% |
| S1 | Lead & its compounds (Total Pb) | N/a | 0.2 | mg/L | 2:311 using ICP-MS | 06 May 22 | 10:00hrs | UKAS | +/- 5% |
| S1 | Nickel & its compounds (Total Ni) | N/a | 1.4 | mg/L | 2:311 using ICP-MS | 06 May 22 | 10:00hrs | UKAS | +/- 5% |
| S1 | Zinc & its compounds (Total Zn) | N/a | 0.8 | mg/L | 2:311 using ICP-MS | 06 May 22 | 10:00hrs | UKAS | +/- 5% |
| S1 | Chromium & its compounds (Total Cr) | N/a | 0.2 | mg/L | 2:311 using ICP-MS | 17 May 22 | 11:40hrs | UKAS | +/- 5% |
| S1 | Copper & its compounds (Total Cu) | N/a | 1.2 | mg/L | 2:311 using ICP-MS | 06 May 22 | 10:00hrs | UKAS | +/- 5% |
| S1 | pH | N/a | 7.0 10.2 | pH units | 2:721 using meter | 21 Apr 22 06 May 22 | 10:21hrs 10:00hrs | 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 <https://www.svl.net/unionized-amonia-calculator/> using Total Ammonia = 71.4mg/L, pH = 7.0 and Temperature = 20.4°C.



Signed

.....Alex Morris.....

Date.....12/07/2022.....

(Authorised to sign as representative of the Operator)