

Permit Reference Number: **SP3531SK**

Operator: **Tradebe Ltd**

Installation: **Gwent Waste Management Centre**

Form Number: **S1**

**Reporting of Emissions to Sewer for the period from .....01/07/2021.....to.....30/09/2021.....**

| <b>Emission Point</b> | <b>Substance / Parameter</b>           | <b>Emission Limit Value</b> | <b>Result <sup>[1]</sup></b> |             | <b>Test Method <sup>[2]</sup></b> | <b>Sample Date and Times <sup>[3]</sup></b> |                      | <b>Accreditation/ Certification <sup>[4]</sup></b> | <b>Uncertainty <sup>[5]</sup></b> |
|-----------------------|----------------------------------------|-----------------------------|------------------------------|-------------|-----------------------------------|---------------------------------------------|----------------------|----------------------------------------------------|-----------------------------------|
| S1                    | Ammonia un-ionised as N <sup>[6]</sup> | N/a                         | 3.50                         | mg/L        | 2:550 using Aquachem 600          | 26 Aug 21                                   | 10:46hrs             | UKAS                                               | +/- 3%                            |
| S1                    | Cyanide                                | N/a                         | 0.077                        | mg/L        | 2:412 using SEAL AA3              | 31 Aug 21                                   | 10:13hrs             | UKAS                                               | +/- 3%                            |
| S1                    | Suspended solids                       | N/a                         | 382                          | mg/L        | 2:724 using gravimetry            | 28 Jul 21                                   | 10:08hrs             | UKAS                                               | +/- 1%                            |
| S1                    | Flow                                   | N/a                         | 4.4                          | L/s         | Mag Flow                          | 29 Sept 21                                  | 06:05hrs             | MCERTS                                             | +/- 2%                            |
| S1                    | Lead & its compounds (Total Pb)        | N/a                         | 0.2                          | mg/L        | 2:311 using ICP-MS                | 28 Jul 21                                   | 10:08hrs             | UKAS                                               | +/- 5%                            |
| S1                    | Nickel & its compounds (Total Ni)      | N/a                         | 0.8                          | mg/L        | 2:311 using ICP-MS                | 28 Jul 21                                   | 10:08hrs             | UKAS                                               | +/- 5%                            |
| S1                    | Zinc & its compounds (Total Zn)        | N/a                         | 0.6                          | mg/L        | 2:311 using ICP-MS                | 31 Aug 21                                   | 10:13hrs             | UKAS                                               | +/- 5%                            |
| S1                    | Chromium & its compounds (Total Cr)    | N/a                         | 0.1                          | mg/L        | 2:311 using ICP-MS                | 31 Aug 21                                   | 10:13hrs             | UKAS                                               | +/- 5%                            |
| S1                    | Copper & its compounds (Total Cu)      | N/a                         | 0.3                          | mg/L        | 2:311 using ICP-MS                | 28 Jul 21                                   | 10:08hrs             | UKAS                                               | +/- 5%                            |
| S1                    | pH                                     | N/a                         | 7.10<br>9.40                 | pH<br>units | 2:721 using meter                 | 31 Aug 21<br>16 Sept 21                     | 10:13hrs<br>12:07hrs | 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.



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

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

Date.....30/11/2021.....