

Permit Reference Number : SP3031SJ

Operator : Biffa Waste Services

Installation : Cardiff Waste Management Resource Centre

Form Number : S1

Reporting of Emissions to Sewer for the period from .....January 2018.....to.....December 2018...

| Emission Point | Substance / Parameter | Emission Limit Value    | Reporting period | Result <sup>[1]</sup>                  | Test Method <sup>[2]</sup>             | Sample Date and Times <sup>[3]</sup> | Accreditation/ Certification <sup>[4]</sup> | Uncertainty <sup>[5]</sup> |
|----------------|-----------------------|-------------------------|------------------|----------------------------------------|----------------------------------------|--------------------------------------|---------------------------------------------|----------------------------|
| S1             | pH                    | Minimum 6<br>Maximum 10 | Jan              | Avg = 6.56<br>Min = 6.41<br>Max = 6.80 | AWE<br>PS90S<br>Sealed pH<br>Electrode | Continuous Monitoring                |                                             | +- 0.01                    |
|                |                       |                         | Feb              | Avg = 6.39<br>Min = 6.12<br>Max = 6.58 |                                        |                                      |                                             |                            |
|                |                       |                         | March            | Avg = 6.35<br>Min = 6.20<br>Max = 6.46 |                                        |                                      |                                             |                            |
|                |                       |                         | April            | Avg = 6.45<br>Min = 6.27<br>Max = 6.90 |                                        |                                      |                                             |                            |
|                |                       |                         | May              | Avg = 6.43<br>Min = 6.27<br>Max = 6.62 |                                        |                                      |                                             |                            |
|                |                       |                         | June             | Avg = 6.40<br>Min = 6.20<br>Max = 6.56 |                                        |                                      |                                             |                            |
|                |                       |                         | July             | Avg = 6.56<br>Min = 6.41<br>Max = 6.80 |                                        |                                      |                                             |                            |
|                |                       |                         | Aug              | Avg = 6.45<br>Min = 6.25<br>Max = 6.80 |                                        |                                      |                                             |                            |
|                |                       |                         | Sept             | Avg = 6.32<br>Min = 6.12<br>Max = 6.45 |                                        |                                      |                                             |                            |
|                |                       |                         | Oct              | Avg = 6.46<br>Min = 6.00<br>Max = 7.40 |                                        |                                      |                                             |                            |
|                |                       |                         | Nov              | Avg = 6.36<br>Min = 6.15<br>Max = 6.67 |                                        |                                      |                                             |                            |

|  |  |  |     |                                        |  |  |  |  |
|--|--|--|-----|----------------------------------------|--|--|--|--|
|  |  |  | Dec | Avg = 6.36<br>Min = 6.13<br>Max = 6.85 |  |  |  |  |
|--|--|--|-----|----------------------------------------|--|--|--|--|

[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 an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. 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. The following uncertainties are quoted on a different basis (basis as stated)

Signed .....Alex Gee.....  
(authorised to sign as representative of the Operator)

Date.....30/01/2019.....