

Form Number : A1 Reporting of Emissions to Air for the period from ...1st January 2020....to...31st March 2020.....

| Emissions to Air | | | | | | | |
|-------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------------|---|--|-----------------------------------|
| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
| A1 | Lead and its compounds | 0.5 mg/m ³ | 0.06mg/m ³ | BS:EN:14385:2004 | 23/01/20 09:29 - 10:05 | UKAS & mCerts 2 | <0.01mg/m ³ |
| A2 | Lead and its compounds | 0.5 mg/m ³ | 0.02mg/m ³ | BS:EN:14385:2004 | 23/01/20 10:40 - 11:20 | UKAS & mCerts 2 | <0.01mg/m ³ |
| A3 | Lead and its compounds | 0.5 mg/m ³ | <i>Not Operating</i> | | | | |
| A4 | Lead and,k./ its compounds | 0.5 mg/m ³ | 0.06mg/m ³ | BS:EN:14385:2004 | 06/03/20 11:45 - 12:27 | UKAS & mCerts 2 | <0.01mg/m ³ |
| *A5 | Lead and its compounds | 0.5 mg/m ³ | 0.02mg/m ³ | BS:EN:14385:2004 | 06/03/20 10:40 - 11:16 | UKAS & mCerts 2 | <0.01mg/m ³ |
| A6 | Lead and its compounds | 1.0 mg/m ³ | 0.14mg/m ³ | BS:EN:14385:2004 | 20/01/20 14:06 - 14:54 | UKAS & mCerts 2 | <0.01mg/m ³ |
| A7 | Lead and its compounds | 2.0 mg/m ³ | 0.14mg/m ³ | BS:EN:14385:2004 | 20/01/20 10:13 - 11:25 | UKAS & mCerts 2 | <0.01mg/m ³ |
| A9 | Lead and its compounds | 0.5 mg/m ³ | 0.09mg/m ³ | BS:EN:14385:2004 | 22/01/20 14:12 - 14:48 | UKAS & mCerts 2 | <0.01mg/m ³ |
| A11 | Lead and its compounds | 0.5 mg/m ³ | 0.01mg/m ³ | BS:EN:14385:2004 | 21/01/20 10:19 - 10:59 | UKAS & mCerts 2 | <0.01mg/m ³ |
| *A12 | Lead and its compounds | 0.5 mg/m ³ | <i>Not Operating</i> | | | | |
| A13 | Lead and its compounds | 2.0 mg/m ³ | <i>Not Operating</i> | | | | |
| A14 | Lead and its compounds | 2.0 mg/m ³ | <i>Not Operating</i> | | | | |
| A15 | Lead and its compounds | 0.5 mg/m ³ | <i>Not Operating</i> | | | | |
| A16 | Lead and its compounds | 0.5 mg/m ³ | <i>Not Operating</i> | | | | |

*In Q3 2018, a change was made to extract the pellet casting processes via stack A5, as agreed in CAR NRW0032739 which is subject to a formal change at the next permit variation. Therefore, stack A12 is no longer operating.

| | | | | | | | |
|-----|------------------------|-----------------------|-----------------------|------------------|------------------------|-----------------|-------------------------|
| A17 | Lead and its compounds | 0.5 mg/m ³ | <i>Not Operating</i> | | | | |
| A18 | Lead and its compounds | 1.0 mg/m ³ | 0.01mg/m ³ | BS:EN:14385:2004 | 20/01/20 11:58 - 12:46 | UKAS & mCerts 2 | < 0.01mg/m ³ |
| A19 | Lead and its compounds | 0.5 mg/m ³ | 0.04mg/m ³ | BS:EN:14385:2004 | 21/01/20 15:10 - 15:46 | UKAS & mCerts 2 | < 0.01mg/m ³ |
| A20 | Lead and its compounds | 0.5 mg/m ³ | 0.03mg/m ³ | BS:EN:14385:2004 | 23/01/20 12:03 - 12:39 | UKAS & mCerts 2 | < 0.01mg/m ³ |
| A22 | Lead and its compounds | 2.0 mg/m ³ | <i>Not Operating</i> | | | | |
| A23 | Lead and its compounds | 0.5 mg/m ³ | 0.02mg/m ³ | BS:EN:14385:2004 | 23/01/20 13:30 - 14:10 | UKAS & mCerts 2 | < 0.01mg/m ³ |
| A24 | Lead and its compounds | 0.5 mg/m ³ | 0.05mg/m ³ | BS:EN:14385:2004 | 22/01/20 12:45 - 13:30 | UKAS & mCerts 2 | < 0.01mg/m ³ |
| A25 | Lead and its compounds | 0.5 mg/m ³ | <i>Not Operating</i> | | | | |
| A26 | Lead and its compounds | 0.5 mg/m ³ | 0.48mg/m ³ | BS:EN:14385:2004 | 21/01/20 11:44 - 12:26 | UKAS & mCerts 2 | ±0.01mg/m ³ |
| A27 | Lead and its compounds | 1.0 mg/m ³ | 0.04mg/m ³ | BS:EN:14385:2004 | 22/01/20 09:50 - 10:50 | UKAS & mCerts 2 | < 0.01mg/m ³ |


[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, corrected to reference conditions. Where the emission 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. gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result 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 
(authorised to sign as representative of the Operator)

Date...20/04/2020.....

Form Number : S1 Reporting of Emissions to Sewer for the period from ...1st January 2020....to...31st March 2020.....

| Emissions to Sewer | | | | | | | | |
|--------------------|----------------------------|----------------------|-------------------------|-------------------------------|--|--|---|----------------------------|
| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Average Result ^[6] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
| S1 | Lead and its compounds | 10.0 mg/l | 4.302mg/l | n/a | EV OI 077 | 09/01/20 at 08:30 hrs | EV OI 077 | |
| S1 | pH | Min 6 max 11 | 6.7 Min 10.9 Max | 8.2 | EV OI 075 | 26/02/20 at 08:30 hrs 13/02/20 at 08:30 hrs | EV OI 075 | |
| S1 | Flow | None | 34,301 m ³ * | n/a | n/a | n/a | n/a | |
| S1 | Copper and its compounds | None | 0.01mg/l * | n/a | Nitric digest/ICP (ALS Environmental) | 14/01/20 | UKAS | 8.0% (at 8mg/l level) |
| S1 | Zinc and its compounds | None | 0.0916mg/l * | n/a | Nitric digest/ICP (ALS Environmental) | 18/10/19 | UKAS | 6.3% (at 8mg/l level) |
| S1 | Chromium and its compounds | None | 0.0017mg/l * | n/a | Nitric digest/ICP (ALS Environmental) | 14/01/20 | UKAS | 7.6% (at 8mg/l level) |
| S1 | Nickel and its compounds | None | 0.0023mg/l * | n/a | Nitric digest/ICP (ALS Environmental) | 14/01/20 | UKAS | 7.1% (at 8mg/l level) |
| S1 | Chemical Oxygen Demand | None | 14.0mg/l * | n/a | Full method statement on file (ALS Environmental) | 14/01/20 | UKAS | |
| S1 | Sulphate | None | 340mg/l * | n/a | (ALS Environmental) | 18/10/19 | UKAS | |
| S1 | Total suspended solids | None | 4.0mg/l * | n/a | (ALS Environmental) | 18/10/19 & 14/01/20 | UKAS | |
| | | | | | | | | |
| S2 | Lead and its compounds | 5.0 mg/l | 1.204mg/l | n/a | EV OI 077 | 29/01/20 at 08:30 hrs | EV OI 077 | |
| S2 | pH | Min 6 max 11 | 6.3 Min 10.0 Max | 8.1 | EV OI 075 | 11/03/20 at 08:30 hrs 19/02/20 at 08:30 hrs | EV OI 075 | |
| S2 | Flow | None | 717 m ³ * | n/a | n/a | n/a | n/a | |
| S2 | Copper and its compounds | None | 0.215mg/l * | n/a | Nitric digest/ICP (ALS Environmental) | 18/10/19 | UKAS | 8.0% (at 8mg/l level) |
| S2 | Zinc and its compounds | None | 0.189mg/l * | n/a | Nitric digest/ICP (ALS Environmental) | 18/10/19 | UKAS | 6.3% (at 8mg/l level) |
| S2 | Chromium and its compounds | None | 0.007mg/l * | n/a | Nitric digest/ICP (ALS Environmental) | 18/10/19 | UKAS | 7.6% (at 8mg/l level) |
| S2 | Nickel and its compounds | None | 0.0147mg/l * | n/a | Nitric digest/ICP (ALS Environmental) | 18/10/19 | UKAS | 7.1% (at 8mg/l level) |

 * Flow for Period 1st April 2019 to 31st March 2020

 * Six Monthly Report for period 1st October 2019 to 31st March 2020

| Emissions to Sewer | | | | | | | | |
|--------------------|------------------------|----------------------|-----------------------|-------------------------------|---|--------------------------------------|---|----------------------------|
| Emission Point | Substance / Parameter | Emission Limit Value | Result ^[1] | Average Result ^[6] | Test Method ^[2] | Sample Date and Times ^[3] | Accreditation/ Certification ^[4] | Uncertainty ^[5] |
| S2 | Chemical Oxygen Demand | None | 73.0mg/l * | n/a | Full method statement on file (ALS Environmental) | 18/10/19 | UKAS | |
| S2 | Sulphate | None | 68.5mg/l * | n/a | (ALS Environmental) | 14/01/20 | UKAS | |
| S2 | Total suspended solids | None | 20.0mg/l * | n/a | (ALS Environmental) | 18/10/19 | UKAS | |
| | | | | | | | | |

* Six Monthly Report for period 1st October 2019 to 31st March 2020

[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) – {The basis of any other uncertainty figure needs to be stated. Where no figure is available the Agency will need to agree an appropriate uncertainty value.}

[6] The result given is the average value of all results obtained during the reporting period.

Signed 
(authorised to sign as representative of the Operator)

Date...20/04/2020.....