

Wastewater Monitoring Data January 2014

| Published: 22 January 2014 Licensee: Cargill Newcastle EPL no.: 5810 | | | | | | | | | |
|--|---------------|-----------------------|-------------------------|---|---------|----------------|---------------------|------------|-----------|
| Qualifications related to limits Samples taken as per approved methods. | | | | | | | | | |
| EPA Point ID | Sampling Date | Date Results Received | Pollutant | Measurement Period and Monitoring Frequency Required by Licence | Units | Value 08/01/14 | 2014 Values to date | | |
| | | | | | | | Min Value | Mean Value | Max Value |
| 12 | 08/01/14 | 17/01/14 | pH | Quarterly | pH Unit | 10.1 | 10.1 | 10.1 | 10.1 |
| | | | Sodium Adsorption Ratio | Quarterly | - | 13.2 | 13.2 | 13.2 | 13.2 |
| | | | Electrical Conductivity | Quarterly | µS/cm | 883 | 883 | 883 | 883 |
| | | | Chloride | Quarterly | mg/L | 95 | 95 | 95 | 95 |
| | | | Total Kjeldahl Nitrogen | Quarterly | mg/L | 9.0 | 9.0 | 9.0 | 9.0 |
| | | | Total Nitrogen | Quarterly | mg/L | 9.1 | 9.1 | 9.1 | 9.1 |
| | | | Total Phosphorus | Quarterly | mg/L | 0.6 | 0.6 | 0.6 | 0.6 |
| | | | Oil and Grease | Quarterly | mg/L | 53 | 53 | 53 | 53 |
| | | | Calcium | Quarterly | mg/L | 7 | 7 | 7 | 7 |
| | | | Magnesium | Quarterly | mg/L | 4 | 4 | 4 | 4 |
| | | | Sodium | Quarterly | mg/L | 177 | 177 | 177 | 177 |
| | | | Potassium | Quarterly | mg/L | 8 | 8 | 8 | 8 |
| | | | Arsenic | Annually | mg/L | 0.002 | 0.002 | 0.002 | 0.002 |
| | | | Cadmium | Annually | mg/L | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| | | | Chromium | Annually | mg/L | <0.001 | <0.001 | <0.001 | <0.001 |
| | | | Copper | Annually | mg/L | 0.006 | 0.006 | 0.006 | 0.006 |
| | | | Lead | Annually | mg/L | <0.001 | <0.001 | <0.001 | <0.001 |
| | | | Nickel | Annually | mg/L | 0.003 | 0.003 | 0.003 | 0.003 |
| Zinc | Annually | mg/L | 0.034 | 0.034 | 0.034 | 0.034 | | | |
| Organochlorine Pesticides | Annually | mg/L | <2.4 | <2.4 | <2.4 | <2.4 | | | |
| Organophosphate Pesticides | Annually | mg/L | <2.4 | <2.4 | <2.4 | <2.4 | | | |
| 13 | 08/01/14 | 17/01/14 | pH | Quarterly | pH Unit | 7.96 | 7.96 | 7.96 | 7.96 |
| | | | Sodium Adsorption Ratio | Quarterly | - | 3.16 | 3.16 | 3.16 | 3.16 |
| | | | Electrical Conductivity | Quarterly | µS/cm | 1,060 | 1,060 | 1,060 | 1,060 |
| | | | Chloride | Quarterly | mg/L | 77 | 77 | 77 | 77 |
| | | | Total Kjeldahl Nitrogen | Quarterly | mg/L | 84.8 | 84.8 | 84.8 | 84.8 |
| | | | Total Nitrogen | Quarterly | mg/L | 84.8 | 84.8 | 84.8 | 84.8 |

| | | | | | | | | | |
|--|--|--|------------------|-----------|---------------|-----------|-----------|-----------|-----------|
| | | | Total Phosphorus | Quarterly | mg/L | 9.88 | 9.88 | 9.88 | 9.88 |
| | | | Oil and Grease | Quarterly | mg/L | 60 | 60 | 60 | 60 |
| | | | Enterococci | Quarterly | CFU/ 100mL | 130,000 | 130,000 | 130,000 | 130,000 |
| | | | Faecal Coliforms | Quarterly | CFU/ 100mL | 2,600,000 | 2,600,000 | 2,600,000 | 2,600,000 |
| | | | Calcium | Quarterly | mg/L | 10 | 10 | 10 | 10 |
| | | | Magnesium | Quarterly | mg/L | 5 | 5 | 5 | 5 |
| | | | Sodium | Quarterly | mg/L | 49 | 49 | 49 | 49 |
| | | | Potassium | Quarterly | mg/L | 54 | 54 | 54 | 54 |
| | | | Arsenic | Annually | mg/L | <0.001 | <0.001 | <0.001 | <0.001 |
| | | | Cadmium | Annually | mg/L | 0.0003 | 0.0003 | 0.0003 | 0.0003 |
| | | | Chromium | Annually | mg/L | 0.006 | 0.006 | 0.006 | 0.006 |
| | | | Copper | Annually | mg/L | 0.070 | 0.070 | 0.070 | 0.070 |
| | | | Lead | Annually | mg/L | 0.004 | 0.004 | 0.004 | 0.004 |
| | | | Nickel | Annually | mg/L | 0.018 | 0.018 | 0.018 | 0.018 |
| | | | Zinc | Annually | mg/L | 0.307 | 0.307 | 0.307 | 0.307 |

*N/D: Not Detected