

Groundwater Monitoring Data January 2021

| Published: 21 April 2021 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 | 2021 Values to date | | |
| | | | | | | | Min Value | Mean Value | Max Value |
| 6 | 8/01/2021 | 18/01/2021 | pH | Every 6 months | pH | 7.47 | 7.47 | 7.47 | 7.47 |
| | | | Conductivity | Every 6 months | µS/cm | 2670 | 2670 | 2670 | 2670 |
| | | | Calcium | Every 6 months | mg/L | 94 | 94 | 94 | 94 |
| | | | Magnesium | Every 6 months | mg/L | 37 | 37 | 37 | 37 |
| | | | Nitrate | Every 6 months | mg/L | <0.01 | <0.01 | <0.01 | <0.01 |
| | | | Nitrogen (total) | Every 6 months | mg/L | 17.6 | 17.6 | 17.6 | 17.6 |
| | | | Total Kjeldahl Nitrogen | Every 6 months | mg/L | 17.6 | 17.6 | 17.6 | 17.6 |
| | | | Phosphorus (total) | Every 6 months | mg/L | 29.5 | 29.5 | 29.5 | 29.5 |
| | | | Sodium | Every 6 months | mg/L | 427 | 427 | 427 | 427 |
| | | | Sulfate | Every 6 months | mg/L | <1 | <1 | <1 | <1 |
| | | | Total Dissolved Solids | Every 6 months | mg/L | 1600 | 1600 | 1600 | 1600 |
| | | | Hexane | Every 6 months | mg/L | <0.01 | <0.01 | <0.01 | <0.01 |
| | | | Total Recoverable Hydrocarbons (C10-C40) | Every 6 months | mg/L | 0.12 | 0.12 | 0.12 | 0.12 |
| | | | Standing Water Level | Every 6 months | m | 2 | 2 | 2 | 2 |

Published: 21 April 2021
 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 | 2021 Values to date | | |
|----------------------|----------------|-----------------------|--|---|-------|-------|---------------------|------------|-----------|
| | | | | | | | Min Value | Mean Value | Max Value |
| 7 | 8/01/2021 | 18/01/2021 | pH | Every 6 months | pH | 7.6 | 7.6 | 7.6 | 7.6 |
| | | | Conductivity | Every 6 months | µS/cm | 1720 | 1720 | 1720 | 1720 |
| | | | Calcium | Every 6 months | mg/L | 134 | 134 | 134 | 134 |
| | | | Magnesium | Every 6 months | mg/L | 15 | 15 | 15 | 15 |
| | | | Nitrate | Every 6 months | mg/L | 5.02 | 5.02 | 5.02 | 5.02 |
| | | | Nitrogen (total) | Every 6 months | mg/L | 13.1 | 13.1 | 13.1 | 13.1 |
| | | | Total Kjeldahl Nitrogen | Every 6 months | mg/L | 8 | 8 | 8 | 8 |
| | | | Phosphorus (total) | Every 6 months | mg/L | 1.86 | 1.86 | 1.86 | 1.86 |
| | | | Sodium | Every 6 months | mg/L | 265 | 265 | 265 | 265 |
| | | | Sulfate | Every 6 months | mg/L | 54 | 54 | 54 | 54 |
| | | | Total Dissolved Solids | Every 6 months | mg/L | 1000 | 1000 | 1000 | 1000 |
| | | | Hexane | Every 6 months | mg/L | <0.01 | <0.01 | <0.01 | <0.01 |
| | | | Total Recoverable Hydrocarbons (C10-C40) | Every 6 months | mg/L | 1.63 | 1.63 | 1.63 | 1.63 |
| Standing Water Level | Every 6 months | m | 2 | 2 | 2 | 2 | | | |

Published: 21 April 2021
 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 | 2021 Values to date | | |
|----------------------|----------------|-----------------------|--|---|-------|-------|---------------------|------------|-----------|
| | | | | | | | Min Value | Mean Value | Max Value |
| 8 | 8/01/2021 | 18/01/2021 | pH | Every 6 months | pH | 7.58 | 7.58 | 7.58 | 7.58 |
| | | | Conductivity | Every 6 months | µS/cm | 1640 | 1640 | 1640 | 1640 |
| | | | Calcium | Every 6 months | mg/L | 155 | 155 | 155 | 155 |
| | | | Magnesium | Every 6 months | mg/L | 17 | 17 | 17 | 17 |
| | | | Nitrate | Every 6 months | mg/L | 0.78 | 0.78 | 0.78 | 0.78 |
| | | | Nitrogen (total) | Every 6 months | mg/L | 4.7 | 4.7 | 4.7 | 4.7 |
| | | | Total Kjeldahl Nitrogen | Every 6 months | mg/L | 3.9 | 3.9 | 3.9 | 3.9 |
| | | | Phosphorus (total) | Every 6 months | mg/L | 1.2 | 1.2 | 1.2 | 1.2 |
| | | | Sodium | Every 6 months | mg/L | 198 | 198 | 198 | 198 |
| | | | Sulfate | Every 6 months | mg/L | 251 | 251 | 251 | 251 |
| | | | Total Dissolved Solids | Every 6 months | mg/L | 1090 | 1090 | 1090 | 1090 |
| | | | Hexane | Every 6 months | mg/L | <0.01 | <0.01 | <0.01 | <0.01 |
| | | | Total Recoverable Hydrocarbons (C10-C40) | Every 6 months | mg/L | <0.01 | <0.01 | <0.01 | <0.01 |
| Standing Water Level | Every 6 months | m | 2.5 | 2.5 | 2.5 | 2.5 | | | |

Published: 21 April 2021
 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 | 2021 Values to date | | |
|----------------------|----------------|-----------------------|--|---|-------|-------|---------------------|------------|-----------|
| | | | | | | | Min Value | Mean Value | Max Value |
| 9 | 8/01/2021 | 18/01/2021 | pH | Every 6 months | pH | 7.65 | 7.65 | 7.65 | 7.65 |
| | | | Conductivity | Every 6 months | µS/cm | 1920 | 1920 | 1920 | 1920 |
| | | | Calcium | Every 6 months | mg/L | 97 | 97 | 97 | 97 |
| | | | Magnesium | Every 6 months | mg/L | 43 | 43 | 43 | 43 |
| | | | Nitrate | Every 6 months | mg/L | 0.1 | 0.1 | 0.1 | 0.1 |
| | | | Nitrogen (total) | Every 6 months | mg/L | 3.2 | 3.2 | 3.2 | 3.2 |
| | | | Total Kjeldahl Nitrogen | Every 6 months | mg/L | 3.1 | 3.1 | 3.1 | 3.1 |
| | | | Phosphorus (total) | Every 6 months | mg/L | 16.1 | 16.1 | 16.1 | 16.1 |
| | | | Sodium | Every 6 months | mg/L | 310 | 310 | 310 | 310 |
| | | | Sulfate | Every 6 months | mg/L | 218 | 218 | 218 | 218 |
| | | | Total Dissolved Solids | Every 6 months | mg/L | 1140 | 1140 | 1140 | 1140 |
| | | | Hexane | Every 6 months | mg/L | <0.01 | <0.01 | <0.01 | <0.01 |
| | | | Total Recoverable Hydrocarbons (C10-C40) | Every 6 months | mg/L | 0.14 | 0.14 | 0.14 | 0.14 |
| Standing Water Level | Every 6 months | m | 2 | 2 | 2 | 2 | | | |