

Vales Point Power Station Monthly Environmental Data Summary



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|------------------|------------------------------------|---|
| LICENCE NO | 761 | http://www.epa.nsw.gov.au/prpoeoapp/ |
| LICENCE HOLDER | SUNSET POWER INTERNATIONAL PTY LTD | |
| REPORTING PERIOD | July 2022 | |
| ADDRESS | VALES ROAD, MANNERING PARK NSW | |

| POINT 2 Combined air emissions from boiler 5 via Points 4 to 7 to Point 1 marked and shown as EPA ID 2 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). | | | | | | | | | | | | |
|--|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|----------------------------|----------|
| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceed 100% Limit (yes/no) | Comments |
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | 0.2 | | |
| Jul-22 | Chlorine | (mg/m3) | Every 6 months | | | | | | | 20 | | |
| Jul-22 | Fluorine | (mg/m3) | Every 6 months | | | | | | | 30 | | |
| Jul-22 | Hydrogen chloride | (mg/m3) | Every 6 months | | | | | | | 50 | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | 0.05 | | |
| Jul-22 | Nitrogen Oxides | (mg/m3) | Continuous | 97.8% | Jul-22 | 395 | 656 | 794 | 850 | 980 | No | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | 50 | No | |
| Jul-22 | Sulfur dioxide | (mg/m3) | Continuous | 97.7% | Jul-22 | 533 | 763 | 937 | 1400 | 1700 | No | |
| Jul-22 | Sulfuric acid mist and sulfur trioxide (as SO3) | (mg/m3) | Every 6 months | | | | | | | 100 | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | 0.75 | | |
| Jul-22 | VOC's as n-propane equivalent | (mg/m3) | Every 6 months | | | | | | | 10 | | |

| POINT 3 Combined air emissions from boiler 6 via Points 8 to 11 to Point 1 marked and shown as EPA ID 3 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). | | | | | | | | | | | | |
|---|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|----------------------------|----------|
| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceed 100% Limit (yes/no) | Comments |
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | 0.2 | | |
| Jul-22 | Chlorine | (mg/m3) | Every 6 months | | | | | | | 20 | | |
| Jul-22 | Fluorine | (mg/m3) | Every 6 months | | | | | | | 30 | | |
| Jul-22 | Hydrogen chloride | (mg/m3) | Every 6 months | | | | | | | 50 | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | 0.05 | | |
| Jul-22 | Nitrogen Oxides | (mg/m3) | Continuous | 98.6% | Jul-22 | 402 | 654 | 836 | 850 | 980 | No | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | 50 | No | |
| Jul-22 | Sulfur dioxide | (mg/m3) | Continuous | 98.4% | Jul-22 | 601 | 759 | 902 | 1400 | 1700 | No | |
| Jul-22 | Sulfuric acid mist and sulfur trioxide (as SO3) | (mg/m3) | Every 6 months | | | | | | | 100 | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | 0.75 | | |
| Jul-22 | VOC's as n-propane equivalent | (mg/m3) | Every 6 months | | | | | | | 10 | | |

| POINT 4 Boiler number 5 exhaust - duct A marked and shown as EPA ID 4 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). | | | | | | | | | | | | |
|---|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|---|
| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Carbon dioxide | (%) | Every 6 months | | | | | | | | | |
| Jul-22 | Chlorine | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Flow rate | (m3/s) | Continuous | | | | | | | | | |
| Jul-22 | Fluorine | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Hydrogen chloride | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Moisture | (%) | Continuous | | | | | | | | | Continuous monitoring of flow rate, moisture, O2 and temperature not required until 30/11/2022. |
| Jul-22 | Oxygen (O2) | (%) | Continuous | | | | | | | | | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | | | |
| Jul-22 | Sulfuric acid mist and sulfur trioxide (as SO3) | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Temperature | (°C) | Continuous | | | | | | | | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | VOC's as n-propane equivalent | (mg/m3) | Every 6 months | | | | | | | | | |

POINT 5 Boiler number 5 exhaust - duct B marked and shown as EPA ID 5 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analyzed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|---|
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Flow rate | (m3/s) | Continuous | | | | | | | | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Moisture | (%) | Continuous | | | | | | | | | Continuous monitoring of flow rate, moisture, O2 and temperature not required until 30/11/2022. |
| Jul-22 | Oxygen (O2) | (%) | Continuous | | | | | | | | | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | | | |
| Jul-22 | Temperature | (°C) | Continuous | | | | | | | | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | | | |

POINT 6 Boiler number 5 exhaust - duct C marked and shown as EPA ID 6 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analyzed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|---|
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Carbon dioxide | (%) | Every 6 months | | | | | | | | | |
| Jul-22 | Chlorine | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Flow rate | (m3/s) | Continuous | | | | | | | | | |
| Jul-22 | Fluorine | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Hydrogen chloride | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | | | Continuous monitoring of flow rate, moisture, O2 and temperature not required until 30/11/2022. |
| Jul-22 | Moisture | (%) | Continuous | | | | | | | | | |
| Jul-22 | Oxygen (O2) | (%) | Continuous | | | | | | | | | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | | | |
| Jul-22 | Sulfuric acid mist and sulfur trioxide (as SO3) | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Temperature | (°C) | Continuous | | | | | | | | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | VOC's as n-propane equivalent | (mg/m3) | Every 6 months | | | | | | | | | |

POINT 7 Boiler number 5 exhaust - duct D marked and shown as EPA ID 7 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analyzed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|---|
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Flow rate | (m3/s) | Continuous | | | | | | | | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Moisture | (%) | Continuous | | | | | | | | | Continuous monitoring of flow rate, moisture, O2 and temperature not required until 30/11/2022. |
| Jul-22 | Oxygen (O2) | (%) | Continuous | | | | | | | | | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | | | |
| Jul-22 | Temperature | (°C) | Continuous | | | | | | | | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | | | |

POINT 8 Boiler number 6 exhaust - duct A marked and shown as EPA ID 8 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analyzed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|---|
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Carbon dioxide | (%) | Every 6 months | | | | | | | | | |
| Jul-22 | Chlorine | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Flow rate | (m3/s) | Continuous | | | | | | | | | |
| Jul-22 | Fluorine | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Hydrogen chloride | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | | | Continuous monitoring of flow rate, moisture, O2 and temperature not required until 30/11/2022. |
| Jul-22 | Moisture | (%) | Continuous | | | | | | | | | |
| Jul-22 | Oxygen (O2) | (%) | Continuous | | | | | | | | | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | | | |
| Jul-22 | Sulfuric acid mist and sulfur trioxide (as SO3) | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Temperature | (°C) | Continuous | | | | | | | | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | VOC's as n-propane equivalent | (mg/m3) | Every 6 months | | | | | | | | | |

| POINT 9 Boiler number 6 exhaust - duct B marked and shown as EPA ID 9 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). | | | | | | | | | | | | |
|---|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|---|
| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Flow rate | (m3/s) | Continuous | | | | | | | | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Moisture | (%) | Continuous | | | | | | | | | Continuous monitoring of flow rate, moisture, O2 and temperature not required until 30/11/2022. |
| Jul-22 | Oxygen (O2) | (%) | Continuous | | | | | | | | | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | | | |
| Jul-22 | Temperature | (°C) | Continuous | | | | | | | | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | | | |

| POINT 10 Boiler number 6 exhaust - duct C marked and shown as EPA ID 10 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). | | | | | | | | | | | | |
|---|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|---|
| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Carbon dioxide | (%) | Every 6 months | | | | | | | | | |
| Jul-22 | Chlorine | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Flow rate | (m3/s) | Continuous | | | | | | | | | |
| Jul-22 | Fluorine | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Hydrogen chloride | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | | | Continuous monitoring of flow rate, moisture, O2 and temperature not required until 30/11/2022. |
| Jul-22 | Moisture | (%) | Continuous | | | | | | | | | |
| Jul-22 | Oxygen (O2) | (%) | Continuous | | | | | | | | | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | | | |
| Jul-22 | Sulfuric acid mist and sulfur trioxide (as SO3) | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Temperature | (°C) | Continuous | | | | | | | | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | VOC's as n-propane equivalent | (mg/m3) | Every 6 months | | | | | | | | | |

| POINT 11 Boiler number 6 exhaust - duct D marked and shown as EPA ID 11 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). | | | | | | | | | | | | |
|---|---|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|---|
| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
| Jul-22 | Cadmium | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Flow rate | (m3/s) | Continuous | | | | | | | | | |
| Jul-22 | Mercury | (mg/m3) | Every 6 months | | | | | | | | | |
| Jul-22 | Moisture | (%) | Continuous | | | | | | | | | Continuous monitoring of flow rate, moisture, O2 and temperature not required until 30/11/2022. |
| Jul-22 | Oxygen (O2) | (%) | Continuous | | | | | | | | | |
| Jul-22 | Solid Particles | (mg/m3) | Quarterly | | | | | | | | | |
| Jul-22 | Temperature | (°C) | Continuous | | | | | | | | | |
| Jul-22 | Type 1 and Type 2 substances in aggregate | (mg/m3) | Every 6 months | | | | | | | | | |

| POINT 12 Boiler number 5 combined exhaust - duct A and B (points 4 and 5) marked and shown as EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). | | | | | | | | | | | | |
|---|-----------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
| Jul-22 | Nitrogen Oxides | (mg/m3) | Continuous | 98.3% | Jul-22 | 383 | 646 | 807 | | | N/A | |
| Jul-22 | Sulfur dioxide | (mg/m3) | Continuous | 98.1% | Jul-22 | 417 | 719 | 901 | | | N/A | |

| POINT 13 Boiler number 5 combined exhaust - duct C and D (points 6 and 7) marked and shown as EPA ID 13 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). | | | | | | | | | | | | |
|---|-----------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
| Jul-22 | Nitrogen Oxides | (mg/m3) | Continuous | 97.4% | Jul-22 | 261 | 667 | 825 | | | N/A | |
| Jul-22 | Sulfur dioxide | (mg/m3) | Continuous | 97.3% | Jul-22 | 302 | 807 | 983 | | | N/A | |

| POINT 14 Boiler number 6 combined exhaust - duct A and B (points 8 and 9) marked and shown as EPA ID 14 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). | | | | | | | | | | | | |
|---|-----------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
| Jul-22 | Nitrogen Oxides | (mg/m3) | Continuous | 97.7% | Jul-22 | 225 | 714 | 909 | | | N/A | |
| Jul-22 | Sulfur dioxide | (mg/m3) | Continuous | 97.5% | Jul-22 | 607 | 786 | 972 | | | N/A | |

POINT 15 Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shown as EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|-----------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Jul-22 | Nitrogen Oxides | (mg/m3) | Continuous | 99.5% | Jul-22 | 436 | 594 | 768 | | | N/A | |
| Jul-22 | Sulfur dioxide | (mg/m3) | Continuous | 99.3% | Jul-22 | 576 | 733 | 875 | | | N/A | |

POINT 22 Discharge of cooling water from the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 22 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 98.5 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceed 100% Limit (yes/no) | Comments |
|--------|--------------------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-------------------------------------|------------------------------------|----------------------------|----------|
| Jul-22 | Chlorine (free residual) | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | <0.1 | <0.1 | <0.1 | | 0.2 | No | |
| Jul-22 | Copper | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.002 | 0.002 | 0.002 | | 0.005 | No | |
| Jul-22 | Iron | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.089 | 0.089 | 0.089 | | 0.3 | No | |
| Jul-22 | Oil and Grease | Visible | Continuous during discharge | 100% | Jul-22 | NIL | NIL | NIL | | | | |
| Jul-22 | Selenium | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | <0.002 | <0.002 | <0.002 | | 0.005 | No | |
| Jul-22 | Temperature | (°C) | Continuous during discharge | 100% | Jul-22 | 18.9 | 23.4 | 26.8 | 35 | 37.5 | No | |

POINT 23 Discharge of supernatant water from the ash dam to the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 23 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|---------------------------------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Jul-22 | Aluminium | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.166 | 0.166 | 0.166 | | | | |
| Jul-22 | Ammonia | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.13 | 0.13 | 0.13 | | | | |
| Jul-22 | Arsenic (III) | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | <0.0005 | <0.0005 | <0.0005 | | | | |
| Jul-22 | Arsenic (V) | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.0081 | 0.0081 | 0.0081 | | | | |
| Jul-22 | Cadmium | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | <0.00005 | <0.00005 | <0.00005 | | | | |
| Jul-22 | Chromium (trivalent) | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.002 | 0.002 | 0.002 | | | | |
| Jul-22 | Chromium (VI) Compounds | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.025 | 0.025 | 0.025 | | | | |
| Jul-22 | Copper | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.001 | 0.001 | 0.001 | | | | |
| Jul-22 | Iron | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.119 | 0.119 | 0.119 | | | | |
| Jul-22 | Lead | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.0002 | 0.0002 | 0.0002 | | | | |
| Jul-22 | Manganese | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.0040 | 0.0040 | 0.0040 | | | | |
| Jul-22 | Nickel | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | <0.0005 | <0.0005 | <0.0005 | | | | |
| Jul-22 | Nitrate + nitrite (oxidised nitrogen) | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.02 | 0.02 | 0.02 | | | | |
| Jul-22 | Nitrogen | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.20 | 0.20 | 0.20 | | | | |
| Jul-22 | pH | pH | Monthly during discharge | 1 | 15/07/2022 | 8.51 | 8.51 | 8.51 | | 6.5 - 9.5 | No | |
| Jul-22 | Phosphorus | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.03 | 0.03 | 0.03 | | | | |
| Jul-22 | Reactive Phosphorus | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | <0.01 | <0.01 | <0.01 | | | | |
| Jul-22 | Selenium | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.0453 | 0.0453 | 0.0453 | | | | |
| Jul-22 | Total Kjeldahl Nitrogen | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.2 | 0.2 | 0.2 | | | | |
| Jul-22 | Total Suspended Solids | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 8 | 8 | 8 | | 50 | No | |
| Jul-22 | Vanadium | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.066 | 0.066 | 0.066 | | | | |
| Jul-22 | Zinc | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | 0.002 | 0.002 | 0.002 | | | | |

POINT 24 Discharge of seepage water from the ash dam rehabilitation area to Mannering Bay marked and shown as EPA ID 24 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | Discharge (yes/no) | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|---------------------------------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|--------------------|------------------------------------|---------------------|---|
| Jul-22 | Aluminium | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Ammonia | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Arsenic (III) | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Arsenic (V) | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Cadmium | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Chromium (trivalent) | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Chromium (VI) Compounds | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Copper | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Iron | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Lead | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Manganese | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | No discharge from EPA Point 24 during July 2022 |
| Jul-22 | Nickel | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Nitrate + nitrite (oxidised nitrogen) | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Nitrogen | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | pH | pH | Monthly during discharge | 1 | 15/07/2022 | | | | No | 6.5 - 9.5 | No | |
| Jul-22 | Phosphorus | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Reactive Phosphorus | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Selenium | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Total Kjeldahl Nitrogen | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Total Suspended Solids | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | 50 | No | |
| Jul-22 | Vanadium | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |
| Jul-22 | Zinc | (mg/L) | Monthly during discharge | 1 | 15/07/2022 | | | | No | | | |

POINT 25 Discharge of over boarded water from the ash dam to Mannering Bay marked and shown as EPA ID 25 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | Discharge (yes/no) | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|---------------------------------------|-----------------|--------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|--------------------|------------------------------------|---------------------|---|
| Jul-22 | Aluminium | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Ammonia | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Arsenic (III) | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Arsenic (V) | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Cadmium | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Chromium (trivalent) | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Chromium (VI) Compounds | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Copper | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Iron | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Lead | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Manganese | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | No discharge from EPA Point 25 during July 2022 |
| Jul-22 | Nickel | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Nitrate + nitrite (oxidised nitrogen) | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Nitrogen | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | pH | pH | Daily for any discharge >2 hrs | | | | | | No | 6.5 - 9.5 | No | |
| Jul-22 | Phosphorus | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Reactive Phosphorus | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Selenium | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Total Kjeldahl Nitrogen | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Total Suspended Solids | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | 50 | No | |
| Jul-22 | Vanadium | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |
| Jul-22 | Zinc | (mg/L) | Daily for any discharge >2 hrs | | | | | | No | | | |

POINT 30 Groundwater quality monitoring bore marked and shown as EPA ID 30 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|-------------------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Jul-22 | Aluminium | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.130 | 0.130 | 0.130 | | | | |
| Jul-22 | Ammonia | (mg/L) | Quarterly | 1 | 15/07/2022 | 1.80 | 1.80 | 1.80 | | | | |
| Jul-22 | Arsenic (III) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.004 | <0.004 | <0.004 | | | | |
| Jul-22 | Arsenic (V) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.004 | <0.004 | <0.004 | | | | |
| Jul-22 | Cadmium | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0002 | <0.0002 | <0.0002 | | | | |
| Jul-22 | Chromium (trivalent) | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.001 | 0.001 | 0.001 | | | | |
| Jul-22 | Chromium (VI) Compounds | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.001 | <0.001 | <0.001 | | | | |
| Jul-22 | Copper | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.003 | 0.003 | 0.003 | | | | |
| Jul-22 | Electrical Conductivity | (us/cm) | Quarterly | 1 | 15/07/2022 | 31400 | 31400 | 31400 | | | | |
| Jul-22 | Iron | (mg/L) | Quarterly | 1 | 15/07/2022 | 81.8 | 81.8 | 81.8 | | | | |
| Jul-22 | Lead | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0011 | 0.0011 | 0.0011 | | | | |
| Jul-22 | Magnesium | (mg/L) | Quarterly | 1 | 15/07/2022 | 717 | 717 | 717 | | | | |
| Jul-22 | Manganese | (mg/L) | Quarterly | 1 | 15/07/2022 | 4.01 | 4.01 | 4.01 | | | | |
| Jul-22 | Nickel | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0268 | 0.0268 | 0.0268 | | | | |
| Jul-22 | pH | pH | Quarterly | 1 | 15/07/2022 | 5.64 | 5.64 | 5.64 | | | | |
| Jul-22 | Potassium | (mg/L) | Quarterly | 1 | 15/07/2022 | 77 | 77 | 77 | | | | |
| Jul-22 | Selenium | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.002 | <0.002 | <0.002 | | | | |
| Jul-22 | Sodium | (mg/L) | Quarterly | 1 | 15/07/2022 | 4960 | 4960 | 4960 | | | | |
| Jul-22 | Standing Water Level | (m) | Quarterly | 1 | 15/07/2022 | 3.64 | 3.64 | 3.64 | | | | |
| Jul-22 | Vanadium | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0005 | <0.0005 | <0.0005 | | | | |
| Jul-22 | Zinc | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.036 | 0.036 | 0.036 | | | | |

POINT 31 Groundwater quality monitoring bore marked and shown as EPA ID 31 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|-------------------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Jul-22 | Aluminium | (mg/L) | Quarterly | 1 | 15/07/2022 | 2.96 | 2.96 | 2.96 | | | | |
| Jul-22 | Ammonia | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.03 | 0.03 | 0.03 | | | | |
| Jul-22 | Arsenic (III) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0005 | <0.0005 | <0.0005 | | | | |
| Jul-22 | Arsenic (V) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0005 | <0.0005 | <0.0005 | | | | |
| Jul-22 | Cadmium | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.00005 | <0.00005 | <0.00005 | | | | |
| Jul-22 | Chromium (trivalent) | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.003 | 0.003 | 0.003 | | | | |
| Jul-22 | Chromium (VI) Compounds | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.001 | <0.001 | <0.001 | | | | |
| Jul-22 | Copper | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0176 | 0.0176 | 0.0176 | | | | |
| Jul-22 | Electrical Conductivity | (us/cm) | Quarterly | 1 | 15/07/2022 | 336 | 336 | 336 | | | | |
| Jul-22 | Iron | (mg/L) | Quarterly | 1 | 15/07/2022 | 3.19 | 3.19 | 3.19 | | | | |
| Jul-22 | Lead | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0094 | 0.0094 | 0.0094 | | | | |
| Jul-22 | Magnesium | (mg/L) | Quarterly | 1 | 15/07/2022 | 4 | 4 | 4 | | | | |
| Jul-22 | Manganese | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.035 | 0.035 | 0.035 | | | | |
| Jul-22 | Nickel | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0029 | 0.0029 | 0.0029 | | | | |
| Jul-22 | pH | pH | Quarterly | 1 | 15/07/2022 | 6.14 | 6.14 | 6.14 | | | | |
| Jul-22 | Potassium | (mg/L) | Quarterly | 1 | 15/07/2022 | 2 | 2 | 2 | | | | |
| Jul-22 | Selenium | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0007 | 0.0007 | 0.0007 | | | | |
| Jul-22 | Sodium | (mg/L) | Quarterly | 1 | 15/07/2022 | 39 | 39 | 39 | | | | |
| Jul-22 | Standing Water Level | (m) | Quarterly | 1 | 15/07/2022 | 0.40 | 0.40 | 0.40 | | | | |
| Jul-22 | Vanadium | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.005 | 0.005 | 0.005 | | | | |
| Jul-22 | Zinc | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.35 | 0.35 | 0.35 | | | | |

POINT 32 Groundwater quality monitoring bore marked and shown as EPA ID 32 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|-------------------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Jul-22 | Aluminium | (mg/L) | Quarterly | 1 | 15/07/2022 | 1.93 | 1.93 | 1.93 | | | | |
| Jul-22 | Ammonia | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.01 | 0.01 | 0.01 | | | | |
| Jul-22 | Arsenic (III) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0005 | <0.0005 | <0.0005 | | | | |
| Jul-22 | Arsenic (V) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0005 | <0.0005 | <0.0005 | | | | |
| Jul-22 | Cadmium | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.00005 | <0.00005 | <0.00005 | | | | |
| Jul-22 | Chromium (trivalent) | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.002 | 0.002 | 0.002 | | | | |
| Jul-22 | Chromium (VI) Compounds | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.001 | <0.001 | <0.001 | | | | |
| Jul-22 | Copper | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0015 | 0.0015 | 0.0015 | | | | |
| Jul-22 | Electrical Conductivity | (us/cm) | Quarterly | 1 | 15/07/2022 | 209 | 209 | 209 | | | | |
| Jul-22 | Iron | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.92 | 0.92 | 0.92 | | | | |
| Jul-22 | Lead | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0007 | 0.0007 | 0.0007 | | | | |
| Jul-22 | Magnesium | (mg/L) | Quarterly | 1 | 15/07/2022 | 2 | 2 | 2 | | | | |
| Jul-22 | Manganese | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0079 | 0.0079 | 0.0079 | | | | |
| Jul-22 | Nickel | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0014 | 0.0014 | 0.0014 | | | | |
| Jul-22 | pH | pH | Quarterly | 1 | 15/07/2022 | 6.17 | 6.17 | 6.17 | | | | |
| Jul-22 | Potassium | (mg/L) | Quarterly | 1 | 15/07/2022 | <1 | <1 | <1 | | | | |
| Jul-22 | Selenium | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0002 | 0.0002 | 0.0002 | | | | |
| Jul-22 | Sodium | (mg/L) | Quarterly | 1 | 15/07/2022 | 19 | 19 | 19 | | | | |
| Jul-22 | Standing Water Level | (m) | Quarterly | 1 | 15/07/2022 | 0.53 | 0.53 | 0.53 | | | | |
| Jul-22 | Vanadium | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0023 | 0.0023 | 0.0023 | | | | |
| Jul-22 | Zinc | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.010 | 0.010 | 0.010 | | | | |

POINT 33 Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|-------------------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Jul-22 | Aluminium | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.86 | 0.86 | 0.86 | | | | |
| Jul-22 | Ammonia | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.12 | 0.12 | 0.12 | | | | |
| Jul-22 | Arsenic (III) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.004 | <0.004 | <0.004 | | | | |
| Jul-22 | Arsenic (V) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.004 | <0.004 | <0.004 | | | | |
| Jul-22 | Cadmium | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0002 | <0.0002 | <0.0002 | | | | |
| Jul-22 | Chromium (trivalent) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.001 | <0.001 | <0.001 | | | | |
| Jul-22 | Chromium (VI) Compounds | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.001 | <0.001 | <0.001 | | | | |
| Jul-22 | Copper | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.002 | 0.002 | 0.002 | | | | |
| Jul-22 | Electrical Conductivity | (us/cm) | Quarterly | 1 | 15/07/2022 | 48700 | 48700 | 48700 | | | | |
| Jul-22 | Iron | (mg/L) | Quarterly | 1 | 15/07/2022 | 69.4 | 69.4 | 69.4 | | | | |
| Jul-22 | Lead | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0014 | 0.0014 | 0.0014 | | | | |
| Jul-22 | Magnesium | (mg/L) | Quarterly | 1 | 15/07/2022 | 1420 | 1420 | 1420 | | | | |
| Jul-22 | Manganese | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.664 | 0.664 | 0.664 | | | | |
| Jul-22 | Nickel | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0013 | 0.0013 | 0.0013 | | | | |
| Jul-22 | pH | pH | Quarterly | 1 | 15/07/2022 | 6.72 | 6.72 | 6.72 | | | | |
| Jul-22 | Potassium | (mg/L) | Quarterly | 1 | 15/07/2022 | 309 | 309 | 309 | | | | |
| Jul-22 | Selenium | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.002 | <0.002 | <0.002 | | | | |
| Jul-22 | Sodium | (mg/L) | Quarterly | 1 | 15/07/2022 | 10400 | 10400 | 10400 | | | | |
| Jul-22 | Standing Water Level | (m) | Quarterly | 1 | 15/07/2022 | -0.14 | -0.14 | -0.14 | | | | |
| Jul-22 | Vanadium | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0037 | 0.0037 | 0.0037 | | | | |
| Jul-22 | Zinc | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.020 | 0.020 | 0.020 | | | | |

POINT 34 Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

| Month | Pollutant | Unit of Measure | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | 99 Percentile Concentration Limit | 100 Percentile Concentration Limit | Exceedance (yes/no) | Comments |
|--------|-------------------------|-----------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------------------------------|------------------------------------|---------------------|----------|
| Jul-22 | Aluminium | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.96 | 0.96 | 0.96 | | | | |
| Jul-22 | Ammonia | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.01 | <0.01 | <0.01 | | | | |
| Jul-22 | Arsenic (III) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0005 | <0.0005 | <0.0005 | | | | |
| Jul-22 | Arsenic (V) | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0005 | <0.0005 | <0.0005 | | | | |
| Jul-22 | Cadmium | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.00005 | <0.00005 | <0.00005 | | | | |
| Jul-22 | Chromium (trivalent) | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.002 | 0.002 | 0.002 | | | | |
| Jul-22 | Chromium (VI) Compounds | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.001 | <0.001 | <0.001 | | | | |
| Jul-22 | Copper | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0033 | 0.0033 | 0.0033 | | | | |
| Jul-22 | Electrical Conductivity | (us/cm) | Quarterly | 1 | 15/07/2022 | 669 | 669 | 669 | | | | |
| Jul-22 | Iron | (mg/L) | Quarterly | 1 | 15/07/2022 | 1.19 | 1.19 | 1.19 | | | | |
| Jul-22 | Lead | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0009 | 0.0009 | 0.0009 | | | | |
| Jul-22 | Magnesium | (mg/L) | Quarterly | 1 | 15/07/2022 | 10 | 10 | 10 | | | | |
| Jul-22 | Manganese | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0714 | 0.0714 | 0.0714 | | | | |
| Jul-22 | Nickel | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0073 | 0.0073 | 0.0073 | | | | |
| Jul-22 | pH | pH | Quarterly | 1 | 15/07/2022 | 5.67 | 5.67 | 5.67 | | | | |
| Jul-22 | Potassium | (mg/L) | Quarterly | 1 | 15/07/2022 | 2 | 2 | 2 | | | | |
| Jul-22 | Selenium | (mg/L) | Quarterly | 1 | 15/07/2022 | <0.0002 | <0.0002 | <0.0002 | | | | |
| Jul-22 | Sodium | (mg/L) | Quarterly | 1 | 15/07/2022 | 112 | 112 | 112 | | | | |
| Jul-22 | Standing Water Level | (m) | Quarterly | 1 | 15/07/2022 | -0.48 | -0.48 | -0.48 | | | | |
| Jul-22 | Vanadium | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.0020 | 0.0020 | 0.0020 | | | | |
| Jul-22 | Zinc | (mg/L) | Quarterly | 1 | 15/07/2022 | 0.042 | 0.042 | 0.042 | | | | |

GENERAL COMMENTS