

## Vales Point Power Station Monthly Environmental Data Summary



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|------------------|---|
| LICENCE NO       | 761 <a href="http://www.epa.nsw.gov.au/prpoeoapp/">http://www.epa.nsw.gov.au/prpoeoapp/</a> |
| LICENCE HOLDER   | SUNSET POWER INTERNATIONAL PTY LTD  |
| REPORTING PERIOD | September 2018  |
| ADDRESS          | VALES POINT ROAD, MANNERING PARK NSW  |

| POINT 1 Cooling water outlet at Wye Bay, marked and shown as "VPOC" on the Plan (VX837351, 30.06.2015, DOC15/381265). |                          |                      |                              |                              |              |                     |                 |                      |           |           |                     |   |
|---|--------------------------|----------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|-----------|---------------------|---|
| Month   | Pollutant                | Unit of Measure      | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | 97% limit | Exceedance (yes/no) | Comments  |
| Sep-18  | Chlorine (free residual) | milligrams per litre | Monthly                      | 1                            | 11/09/2018   | 0.05                | 0.05            | 0.05                 | 0.2       |           | No                  |   |
| Sep-18  | Temperature              | degrees celsius      | Continuous                   | 100%                         | Sep-18       | 23.0                | 27.5            | 30.6                 | 37.5      | 35        | No                  |   |
| Sep-18  | Oil and Grease           | Visible              | Continuous                   | 100%                         | Sep-18       | NIL                 | NIL             | NIL                  |           |           |                     | No visible oil or grease detected during Sep 2018 |

| POINT 2 Discharge from the ash water recycle system to the cooling water outlet canal, marked and shown as "VPADB" on the Plan (VX837351, 30.06.2015, DOC15/381265). |                                       |                      |                              |                              |              |                     |                 |                      |           |                     |                                |  |
|--|---------------------------------------|----------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--------------------------------|--|
| Month  | Pollutant                             | Unit of Measure      | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments                       |  |
| Sep-18   | Ammonia                               | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |                                |  |
| Sep-18   | Cadmium                               | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |                                |  |
| Sep-18   | Copper                                | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |                                |  |
| Sep-18   | Lead                                  | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |                                |  |
| Sep-18   | Manganese                             | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |                                |  |
| Sep-18   | Nitrate + nitrite (oxidised nitrogen) | milligrams per litre | Monthly                      | 1                            | 11/09/2018   | 0.03                | 0.03            | 0.03                 |           |                     |                                |  |
| Sep-18   | Nitrogen (total)                      | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |                                |  |
| Sep-18   | pH                                    | pH                   | Monthly                      | 1                            | 11/09/2018   | 9.3                 | 9.3             | 9.3                  | 6.5 - 9.5 | No                  |                                |  |
| Sep-18   | Phosphorus (total)                    | milligrams per litre | Monthly                      | 1                            | 11/09/2018   | 0.12                | 0.12            | 0.12                 |           |                     |                                |  |
| Sep-18   | Reactive Phosphorus                   | milligrams per litre | Monthly                      | 1                            | 11/09/2018   | <0.01               | <0.01           | <0.01                |           |                     |                                |  |
| Sep-18   | Selenium                              | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |                                |  |
| Sep-18   | Total Kjeldahl Nitrogen               | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |                                |  |
| Sep-18   | Total Suspended Solids                | milligrams per litre | Fortnightly                  | 4                            | Sep-18       | 6                   | 30              | 75*                  | 50        | Yes                 | *See note in general comments. |  |
| Sep-18   | Zinc                                  | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |                                |  |

| POINT 4 Seepage from ash dam rehabilitated area, marked and shown as "VPADS" on the Plan (VX837351, 30.06.2015, DOC15/381265). |                                       |                      |                              |                              |              |                     |                 |                      |           |                     |  |  |
|--|---------------------------------------|----------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--|--|
| Month  | Pollutant                             | Unit of Measure      | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments   |  |
| Sep-18   | Ammonia                               | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Cadmium                               | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Copper                                | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Lead                                  | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Manganese                             | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Nitrate + nitrite (oxidised nitrogen) | milligrams per litre | Monthly                      | 1                            | 11/09/2018   |                     |                 |                      |           |                     | ** Seepage water sampled is captured and pumped back to the ash dam. There was no licence 'discharge to waters' (i.e. to Manning Bay) during September 2018. |  |
| Sep-18   | Nitrogen (total)                      | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | pH                                    | pH                   | Monthly                      | 1                            | 11/09/2018   |                     |                 |                      |           |                     |  |  |
| Sep-18   | Phosphorus (total)                    | milligrams per litre | Monthly                      | 1                            | 11/09/2018   |                     |                 |                      |           |                     |  |  |
| Sep-18   | Selenium                              | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Total Kjeldahl Nitrogen               | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Total Suspended Solids                | milligrams per litre | Monthly                      | 1                            | 11/09/2018   |                     |                 |                      | 50        | No                  |  |  |
| Sep-18   | Zinc                                  | milligrams per litre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |

| POINT 18 Overboarding of Ash Dam, marked and shown as "VPADD" on the Plan (VX837351, 30.06.2015, DOC15/381265). |                                       |                      |                              |                              |              |                     |                 |                      |           |                     |  |  |
|---|---------------------------------------|----------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--|--|
| Month   | Pollutant                             | Unit of Measure      | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments   |  |
| Sep-18  | Ammonia                               | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18  | Cadmium                               | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18  | Copper                                | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18  | Lead                                  | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18  | Manganese                             | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18  | Nitrate + nitrite (oxidised nitrogen) | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18  | Nitrogen (total)                      | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     | No discharge from EPA Point 18 during September 2018 |  |
| Sep-18  | pH                                    | pH                   | Daily for discharge >2 hrs   |                              |              |                     |                 |                      | 6.5 - 9.0 |                     |  |  |
| Sep-18  | Phosphorus (total)                    | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18  | Selenium                              | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18  | Total Kjeldahl Nitrogen               | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18  | Total Suspended Solids                | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      | 50        |                     |  |  |
| Sep-18  | Zinc                                  | milligrams per litre | Daily for discharge >2 hrs   |                              |              |                     |                 |                      |           |                     |  |  |

| POINT 19 Groundwater bore, marked and shown as "VPGM/D3" on the Plan (VX837351, 30.06.2015, DOC15/381265). |                         |                             |                              |                              |              |                     |                 |                      |           |                     |  |  |
|--|-------------------------|-----------------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--|--|
| Month  | Pollutant               | Unit of Measure             | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments   |  |
| Sep-18   | Arsenic                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Cadmium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Calcium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Chromium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Copper                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Electrical conductivity | microsiemens per centimetre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Iron                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Lead                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     | (next quarterly sample scheduled for October 2018) |  |
| Sep-18   | Magnesium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Manganese               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Nickel                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | pH                      | pH                          | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Potassium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Selenium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Sodium                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Standing Water Level    | metres                      | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Zinc                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |

| POINT 20 Groundwater bore, marked and shown as "VPGM/D5" on the Plan (VX837351, 30.06.2015, DOC15/381265). |                         |                             |                              |                              |              |                     |                 |                      |           |                     |  |  |
|--|-------------------------|-----------------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--|--|
| Month  | Pollutant               | Unit of Measure             | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments   |  |
| Sep-18   | Arsenic                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Cadmium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Calcium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Chromium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Copper                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Electrical conductivity | microsiemens per centimetre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Iron                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Lead                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Magnesium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     | (next quarterly sample scheduled for October 2018) |  |
| Sep-18   | Manganese               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Nickel                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | pH                      | pH                          | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Potassium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Selenium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Sodium                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Standing Water Level    | metres                      | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Zinc                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |

| POINT 21 Groundwater bore, marked and shown as "VPGM/D6" on the Plan (VX837351, 30.06.2015, DOC15/381265). |                         |                             |                              |                              |              |                     |                 |                      |           |                     |  |  |
|--|-------------------------|-----------------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--|--|
| Month  | Pollutant               | Unit of Measure             | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments   |  |
| Sep-18   | Arsenic                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Cadmium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Calcium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Chromium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Copper                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Electrical conductivity | microsiemens per centimetre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Iron                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Lead                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     | (next quarterly sample scheduled for October 2018) |  |
| Sep-18   | Magnesium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Manganese               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Nickel                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | pH                      | pH                          | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Potassium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Selenium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Sodium                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Standing Water Level    | metres                      | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |
| Sep-18   | Zinc                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |  |

| POINT 22 Groundwater bore, marked and shown as "VPGM/D8" on the Plan (VX837351, 30.06.2015, DOC15/381265). |                         |                             |                              |                              |              |                     |                 |                      |           |                     |  |
|--|-------------------------|-----------------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--|
| Month  | Pollutant               | Unit of Measure             | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments   |
| Sep-18   | Arsenic                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Cadmium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Calcium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Chromium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Copper                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Electrical conductivity | microsiemens per centimetre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Iron                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Lead                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Magnesium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     | (next quarterly sample scheduled for October 2018) |
| Sep-18   | Manganese               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Nickel                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | pH                      | pH                          | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Potassium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Selenium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Sodium                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Standing Water Level    | metres                      | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Zinc                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |

| POINT 23 Groundwater bore, marked and shown as "VPGM/D10" on the Plan (VX837351, 30.06.2015, DOC15/381265). |                         |                             |                              |                              |              |                     |                 |                      |           |                     |  |
|---|-------------------------|-----------------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--|
| Month   | Pollutant               | Unit of Measure             | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments   |
| Sep-18  | Arsenic                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Cadmium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Calcium                 | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Chromium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Copper                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Electrical conductivity | microsiemens per centimetre | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Iron                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Lead                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Magnesium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     | (next quarterly sample scheduled for October 2018) |
| Sep-18  | Manganese               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Nickel                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | pH                      | pH                          | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Potassium               | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Selenium                | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Sodium                  | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Standing Water Level    | metres                      | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |
| Sep-18  | Zinc                    | milligrams per litre        | Quarterly                    |                              |              |                     |                 |                      |           |                     |  |

| POINT 11 Stack serving Boiler Unit No. 5, marked and shown as "11" on the Plan (VX837351, 30.06.2015, DOC15/381265). |   |                            |                              |                              |              |                     |                 |                      |           |                     |  |
|--|---|----------------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--|
| Month  | Pollutant                                       | Unit of Measure            | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments   |
| Sep-18   | Cadmium   | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 1         | No                  | Annual stack gas testing to be undertaken before 1 July 2019       |
| Sep-18   | Chlorine  | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 200       | No                  |  |
| Sep-18   | Copper  | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Hydrogen chloride                               | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 100       | No                  |  |
| Sep-18   | Mercury   | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 1         | No                  |  |
| Sep-18   | Moisture  | percent                    | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Molecular weight of stack gases                 | grams per gram mole        | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Nitrogen Oxides                                 | milligrams per cubic metre | Continuous                   | 100%                         | Sep-18       |                     |                 |                      | 1500      | No                  | Unit not in operation during September 2018 (see General Comments) |
| Sep-18   | Sulfuric acid mist and sulfur trioxide (as SO3) | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 100       | No                  |  |
| Sep-18   | Sulphur dioxide                                 | parts per million          | Continuous                   | 100%                         | Sep-18       |                     |                 |                      | 600       | No                  | Unit not in operation during September 2018 (see General Comments) |
| Sep-18   | Temperature                                     | degrees Celsius            | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Total Fluoride                                  | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 50        | No                  |  |
| Sep-18   | Total Solid Particles                           | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 100       | No                  |  |
| Sep-18   | Type 1 and Type 2 substances in aggregate       | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 5         | No                  |  |
| Sep-18   | Undifferentiated Particulates                   | milligrams per cubic metre | Continuous                   | 100%                         | Sep-18       |                     |                 |                      |           |                     | Unit not in operation during September 2018 (see General Comments) |
| Sep-18   | Velocity  | metres per second          | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Volatile organic compounds                      | parts per million          | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18   | Volumetric flowrate                             | cubic metres per second    | Yearly                       |                              |              |                     |                 |                      |           |                     |  |

**POINT 12** Stack serving Boiler Unit No. 6, marked and shown as "12" on the Plan (VX837351, 30.06.2015, DOC15/381265).

| Month  | Pollutant                                       | Unit of Measure            | Sample/Measurement Frequency | Samples Collected & Analysed | Date Sampled | Lowest Sample Value | Mean of Samples | Highest Sample Value | EPL Limit | Exceedance (yes/no) | Comments   |
|--------|---|----------------------------|------------------------------|------------------------------|--------------|---------------------|-----------------|----------------------|-----------|---------------------|--|
| Sep-18 | Cadmium   | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 1         | No                  | Annual stack gas testing to be undertaken before 1 July 2019 |
| Sep-18 | Chlorine  | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 200       | No                  |  |
| Sep-18 | Copper  | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18 | Hydrogen chloride                               | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 100       | No                  |  |
| Sep-18 | Mercury   | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 1         | No                  |  |
| Sep-18 | Moisture  | percent                    | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18 | Molecular weight of stack gases                 | grams per gram mole        | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18 | Nitrogen Oxides                                 | milligrams per cubic metre | Continuous                   | 100%                         | Sep-18       | 615                 | 921             | 1101                 | 1500      | No                  |  |
| Sep-18 | Sulfuric acid mist and sulfur trioxide (as SO3) | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 100       | No                  |  |
| Sep-18 | Sulphur dioxide                                 | parts per million          | Continuous                   | 100%                         | Sep-18       | 181                 | 281             | 368                  | 600       | No                  |  |
| Sep-18 | Temperature                                     | degrees Celsius            | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18 | Total Fluoride                                  | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 50        | No                  |  |
| Sep-18 | Total Solid Particles                           | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 100       | No                  |  |
| Sep-18 | Type 1 and Type 2 substances in aggregate       | milligrams per cubic metre | Yearly                       |                              |              |                     |                 |                      | 5         | No                  |  |
| Sep-18 | Undifferentiated Particulates                   | milligrams per cubic metre | Continuous                   | 100%                         | Sep-18       | 31.1                | 46.0            | 66.7                 |           |                     |  |
| Sep-18 | Velocity  | metres per second          | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18 | Volatile organic compounds                      | parts per million          | Yearly                       |                              |              |                     |                 |                      |           |                     |  |
| Sep-18 | Volumetric flowrate                             | cubic metres per second    | Yearly                       |                              |              |                     |                 |                      |           |                     |  |

**GENERAL COMMENTS**

Unit 5 (Point 11) was taken out of service on Saturday 4 August 2018 for a scheduled outage. The unit will be returned to service during October 2018.  
 \*The concentration limit for TSS was exceeded at Point 2 on 5/9/2018. At the time of sampling background TSS levels measured in Lake Macquarie were also above 50mg/L.