



***EnergyAustralia***<sup>®</sup>

**EnergyAustralia Yallourn Pty Ltd**

**Monthly Air Emissions Compliance Report**

**September 2023**

| Monthly Discharge to Air Compliance Executive Summary |                 |  |                   |                 |
|---|-----------------|--|-------------------|-----------------|
| Indicator   | Carbon Monoxide | Oxides of Nitrogen (as NO <sub>2</sub> ) | Particles (Total) | Sulphur Dioxide |
| Maximum Licence Limit (g/min)                         | 139,000         | 51,600                                   | 24,100            | 104,000         |
| Monthly Maximum Reported (g/min)                      | 59,565          | 21,664                                   | 14,331            | 75,832          |
| 90th Percentile Licence Limit (g/min)                 | 85,600          | 49,100                                   | 14,500            | 73,100          |
| YTD Month End 90th Percentile (g/min)                 | 30,295          | 22,594                                   | 12,304            | 47,920          |
| Discharge to Air Licence Limit Compliance             | 100%            | 100%                                     | 100%              | 100%            |
| Monitoring System Availability (%)                    | 100%            | 100%                                     | 100%              | 100%            |

| EPA Licence Site Details |   |
|--------------------------|---|
| Licence Holder           | EnergyAustralia Yallourn PTY LTD  |
| Licence Number           | 10961   |
| Premises Address         | Eastern Rd, Yallourn VIC 3825   |
| Site Description         | This licence applies to a premises, where brown coal is mined and electricity is generated in a brown coal fired power station. |
| Reporting Period         | September 2023  |
| Licence Discharge Points | <b>A1:</b> Latitude -38.1769981; Longitude 146.345441   |
|                          | <b>A2a:</b> Latitude -38.1769981; Longitude 146.3454416   |
|                          | <b>A2b:</b> Latitude -38.1772303; Longitude 146.3447922   |
| Websites                 | <a href="#">Annual Performance Statement</a>  |
|                          | <a href="#">Current EPA Licence</a>   |
|                          | <a href="#">EPA AirWatch</a>  |
|                          | <a href="#">Latrobe Valley Air Monitoring Network Inc.</a>  |

| Discharge to Air Licence Limits |                                |  |          |                          |               |              |
|---------------------------------|--------------------------------|--|----------|--------------------------|---------------|--------------|
| Discharge Point                 | Description of Discharge Point | Indicator                                | Units[1] | 90th Percentile Limit[2] | Maximum Limit | Frequency[3] |
| A1, A2a, A2b                    | Bubble Limit for A1, A2a, A2b  | Carbon Monoxide                          | g/min    | 85,600                   | 139,000       | Continuous   |
|                                 |                                | Oxides of Nitrogen (as NO <sub>2</sub> ) | g/min    | 49,100                   | 51,600        | Continuous   |
|                                 |                                | Particles (Total)                        | g/min    | 14,500                   | 24,100        | Continuous   |
|                                 |                                | Sulfur Dioxide                           | g/min    | 73,100                   | 104,000       | Continuous   |

[1] g/min =grams per minute 30 minute average

[2] 90th percentile limits are based on a 12-month rolling average

[3] Monitoring Frequency

| Monthly Air Emissions Daily Performance |                                       |  |  |                                      |
|---|---------------------------------------|--|--|--------------------------------------|
| Indicator                               | Carbon Monoxide Daily Maximum (g/min) | Oxides of Nitrogen (as NO <sub>2</sub> ) Daily Maximum (g/min) | Particles (Total)[5] Daily Maximum (g/min) | Sulfur Dioxide Daily Maximum (g/min) |
| <b>Maximum Limits</b>                   | <b>139,000</b>                        | <b>51,600</b>  | <b>24,100</b>                              | <b>104,000</b>                       |
| 01-Sep-23                               | 22,453                                | 13,608   | 8,444                                      | 27,935                               |
| 02-Sep-23                               | 59,565                                | 15,817   | 14,331                                     | 58,602                               |
| 03-Sep-23                               | 33,529                                | 16,096   | 14,151                                     | 61,264                               |
| 04-Sep-23                               | 20,811                                | 17,175   | 12,520                                     | 40,968                               |
| 05-Sep-23                               | 22,652                                | 16,423   | 12,981                                     | 41,860                               |
| 06-Sep-23                               | 19,646                                | 21,664   | 12,701                                     | 46,104                               |
| 07-Sep-23                               | 13,043                                | 13,994   | 7,987                                      | 25,298                               |
| 08-Sep-23                               | 29,120                                | 17,612   | 10,618                                     | 32,756                               |
| 09-Sep-23                               | 27,156                                | 16,577   | 10,622                                     | 33,503                               |
| 10-Sep-23                               | 31,758                                | 17,248   | 12,285                                     | 35,695                               |
| 11-Sep-23                               | 30,611                                | 17,280   | 11,640                                     | 34,782                               |
| 12-Sep-23                               | 26,626                                | 17,271   | 10,795                                     | 37,549                               |
| 13-Sep-23                               | 33,795                                | 18,343   | 13,027                                     | 44,330                               |
| 14-Sep-23                               | 18,630                                | 16,955   | 12,120                                     | 42,565                               |
| 15-Sep-23                               | 17,569                                | 9,402  | 12,201                                     | 38,535                               |
| 16-Sep-23                               | 15,477                                | 10,227   | 6,685                                      | 36,645                               |
| 17-Sep-23                               | 28,836                                | 10,774   | 6,758                                      | 39,116                               |
| 18-Sep-23                               | 21,222                                | 10,365   | 8,029                                      | 31,995                               |
| 19-Sep-23                               | 16,592                                | 10,335   | 7,195                                      | 24,292                               |
| 20-Sep-23                               | 29,589                                | 11,429   | 8,897                                      | 25,046                               |
| 21-Sep-23                               | 20,949                                | 11,716   | 11,574                                     | 30,339                               |
| 22-Sep-23                               | 28,915                                | 11,263   | 10,734                                     | 37,407                               |
| 23-Sep-23                               | 18,129                                | 10,263   | 10,543                                     | 26,244                               |
| 24-Sep-23                               | 13,532                                | 9,562  | 10,333                                     | 24,060                               |
| 25-Sep-23                               | 14,538                                | 9,326  | 9,966                                      | 39,540                               |
| 26-Sep-23                               | 23,952                                | 10,247   | 11,409                                     | 59,434                               |
| 27-Sep-23                               | 14,043                                | 11,285   | 12,446                                     | 75,832                               |
| 28-Sep-23                               | 12,041                                | 11,277   | 11,511                                     | 66,158                               |
| 29-Sep-23                               | 15,943                                | 10,839   | 9,290                                      | 63,189                               |
| 30-Sep-23                               | 11,315                                | 9,838  | 8,587                                      | 57,814                               |

| Air Emissions 90th Percentile Performance [2] |                         |  |                              |                       |
|---|-------------------------|--|------------------------------|-----------------------|
|   | Carbon Monoxide (g/min) | Oxides of Nitrogen (as NO <sub>2</sub> ) (g/min) | Particles (Total)[5] (g/min) | Sulfur Dioxide(g/min) |
| 90th Percentile Licence Limits                | <b>85,600</b>           | <b>49,100</b>                                    | <b>14,500</b>                | <b>73,100</b>         |
| 90th Percentile (Month End)                   | 30,295                  | 22,594   | 12,304                       | 47,920                |

[5] In accordance with licence condition LI\_DA1.10.3 & and LI\_DA1.10.4 the discharge limits for particles do not apply during the plant start-up and shut-down or the accidental failure of major operating equipment and has been excluded from this daily total.

### Monthly Data Explanation

### Licence Limit Exceedances

This table provides a summary and explanation of exceedances of air discharge limits

| Date | Indicator Exceeded | Location (A1, A2a, A2b) | Explanation  |
|------|--------------------|-------------------------|--|
| N/A  | N/A                | N/A                     | No exceedances of licence conditions were reported for the month of September. |

### Monitoring Systems Availability

This table provides a summary of missing data periods requiring substitutions used for determination of daily compliance status

| Date/Time | Loss of Availability (% of month) | Indicator | Location (A1, A2a, A2b) | Explanation   |
|-----------|-----------------------------------|-----------|-------------------------|---|
| N/A       | N/A                               | N/A       | N/A                     | No data losses were reported for the month of September |

# Yallourn Power Station - Licenced Discharge to Air Points

