



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
October 2020

04/11/2020 650-200-REP-YPN-0036 Rev 0

**Ambient Air Concentration of Gases**  
**NH<sub>3</sub>, NO<sub>2</sub> and SO<sub>2</sub>**

| Site                 | Date On                         | Date Off | NH <sub>3</sub>   | NO <sub>2</sub>   | SO <sub>2</sub>   |
|----------------------|---------------------------------|----------|-------------------|-------------------|-------------------|
|                      |                                 |          | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> |
| Site 5 - Burrup Road | No new results received to date |          |                   |                   |                   |
| Site 6 - Water Tanks |                                 |          |                   |                   |                   |
| Site 7 - Deep Gorge  |                                 |          |                   |                   |                   |



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**Airborne Particulate Concentration**  
**Total Suspended Particulates (TSP)**

| Period Start Date <sup>(1),(2)</sup> | Site 5<br>(Burrup Road)<br>TSP | Site 6<br>(Water Tanks)<br>TSP | Site 7<br>(Deep Gorge)<br>TSP |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------------|
|                                      | $\mu\text{g}/\text{m}^3$       | $\mu\text{g}/\text{m}^3$       | $\mu\text{g}/\text{m}^3$      |
| 12-Sep-20                            | 30                             | 23                             | 28                            |
| 18-Sep-20                            | 32                             | 34                             | 33                            |
| 24-Sep-20                            | 21                             | 26                             | 25                            |
| 30-Sep-20                            | 31                             | 31                             | 30                            |

**Notes:**

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.



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**Deposited Dust - Total Dust Deposition per Month  
Insoluble and Soluble Fraction**

| Site 5 - Burrup Road |                         | Date Deployed      | 30/07/2020 |
|----------------------|-------------------------|--------------------|------------|
|                      |                         | Date Collected     | 31/08/2020 |
| Parameter            | Unit                    | Limit of Reporting |            |
| Soluble solids       | g/m <sup>2</sup> /month | 0.7                | 0.9        |
| Insoluble solids     | g/m <sup>2</sup> /month | 0.8                | 1          |

| Site 6 - Water Tanks |                         | Date Deployed      | 30/07/2020 |
|----------------------|-------------------------|--------------------|------------|
|                      |                         | Date Collected     | 31/08/2020 |
| Parameter            | Unit                    | Limit of Reporting |            |
| Soluble solids       | g/m <sup>2</sup> /month | 0.7                | 1.6        |
| Insoluble solids     | g/m <sup>2</sup> /month | 0.8                | <0.8       |

| Site 7 - Deep Gorge |                         | Date Deployed      | 30/07/2020 |
|---------------------|-------------------------|--------------------|------------|
|                     |                         | Date Collected     | 31/08/2020 |
| Parameter           | Unit                    | Limit of Reporting |            |
| Soluble solids      | g/m <sup>2</sup> /month | 0.7                | 0.7        |
| Insoluble solids    | g/m <sup>2</sup> /month | 0.8                | <0.8       |