



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
November 2023

22/12/2023 650-200-REP-YPN-0074 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 – Hearsons Cove |                                 |          |                   |                   |                   |

**Notes:**

(1) Site 7 renamed from Deep Gorge to Hearsons Cove due to site relocation in April 2020.



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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>(Hearsons Cove)<br>TSP |
|--------------------------------------|--------------------------------|--------------------------------|----------------------------------|
|                                      | $\mu\text{g}/\text{m}^3$       | $\mu\text{g}/\text{m}^3$       | $\mu\text{g}/\text{m}^3$         |
| 28-Aug-23                            | 30                             | 22                             | 16                               |
| 03-Sep-23                            | 21                             | 21                             | 19                               |
| 09-Sep-23                            | 28                             | 22                             | 14                               |
| 15-Sep-23                            | 45                             | 34                             | 32                               |
| 21-Sep-23                            | 21                             | 38                             | 35                               |
| 27-Sep-23                            | 21                             | 22                             | 18                               |

**Notes:**

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.
- (3) Site 7 renamed from Deep Gorge to Hearsons Cove due to site relocation in April 2020.



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

| Site 5 - Burrup Road |                         | Date Deployed      | 1/08/2023  |
|----------------------|-------------------------|--------------------|------------|
|                      |                         | Date Collected     | 31/08/2023 |
| 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        |

| Site 6 - Water Tanks |                         | Date Deployed      | 1/08/2023  |
|----------------------|-------------------------|--------------------|------------|
|                      |                         | Date Collected     | 31/08/2023 |
| 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                | 1.1        |

| Site 7 – Hearsons Cove |                         | Date Deployed      | 1/08/2023  |
|------------------------|-------------------------|--------------------|------------|
|                        |                         | Date Collected     | 31/08/2023 |
| 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                | 1.1        |

**Notes:**

(1) Site 7 renamed from Deep Gorge to Hearsons Cove due to site relocation in April 2020.