



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
June 2023

20/07/2023 650-200-REP-YPN-0069 Rev 0

Ambient Air Concentration of Gases
NH₃, NO₂ and SO₂

| Site | Date On | Date Off | NH ₃ | NO ₂ | SO ₂ |
|------------------------|---------------------------------|----------|-------------------|-------------------|-------------------|
| | | | µg/m ³ | µg/m ³ | µg/m ³ |
| 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 ^{(1),(2)} | Site 5 (Burrup Road) TSP | Site 6 (Water Tanks) TSP | Site 7 (Hearsons Cove) TSP |
|--------------------------------------|--------------------------------|--------------------------------|----------------------------------|
| | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ |
| 25-Mar-23 | 23 | 17 | 13 |
| 31-Mar-23 | 12 | 8 | 8 |
| 06-Apr-23 | 19 | 17 | 18 |
| 12-Apr-23 | 24 | 19 | 16 |
| 18-Apr-23 | 14 | 15 | 15 |
| 24-Apr-23 | 18 | 18 | 19 |
| 30-Apr-23 | 22 | 19 | 17 |
| 06-May-23 | 14 | 17 | 13 |
| 12-May-23 | 18 | 29 | 19 |
| 18-May-23 | 23 | 35 | 25 |
| 24-May-23 | 14 | 15 | 15 |
| 30-May-23 | 24 | 22 | 23 |
| 05-Jun-23 | 22 | 22 | 16 |
| 11-Jun-23 | 18 | 14 | 13 |

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 | 28/02/2023 |
|----------------------|-------------------------|--------------------|------------|
| | | Date Collected | 31/03/2023 |
| Parameter | Unit | Limit of reporting | |
| Soluble solids | g/m ² /month | 0.7 | 0.8 |
| Insoluble solids | g/m ² /month | 0.8 | 1.5 |

| Site 6 - Water Tanks | | Date Deployed | 28/02/2023 |
|----------------------|-------------------------|--------------------|------------|
| | | Date Collected | 31/03/2023 |
| Parameter | Unit | Limit of reporting | |
| Soluble solids | g/m ² /month | 0.7 | 1.6 |
| Insoluble solids | g/m ² /month | 0.8 | 1.1 |

| Site 7 – Hearsons Cove | | Date Deployed | 28/02/2023 |
|------------------------|-------------------------|--------------------|------------|
| | | Date Collected | 31/03/2023 |
| Parameter | Unit | Limit of reporting | |
| Soluble solids | g/m ² /month | 0.7 | 0.7 |
| Insoluble solids | g/m ² /month | 0.8 | 1.1 |

Notes:

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