



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
February 2025

28/03/2025 650-200-REP-YPN-0089 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 | 31/10/2024 | 15/11/2024 | 0.06 | 7.14 | 0.49 |
| Site 6 - Water Tanks | 31/10/2024 | 15/11/2024 | 0.31 | 13.02 | 0.52 |
| Site 7 - Hearsons Cove | 31/10/2024 | 15/11/2024 | 0.06 | 3.95 | 0.07 |
| Site 5 - Burrup Road | 15/11/2024 | 2/12/2024 | 0.05 | 3.07 | 0.84 |
| Site 6 - Water Tanks | 15/11/2024 | 2/12/2024 | 0.08 | 2.61 | 0.07 |
| Site 7 - Hearsons Cove | 15/11/2024 | 2/12/2024 | 0.07 | 2.39 | 0.09 |
| Site 5 - Burrup Road | 2/12/2024 | 16/12/2024 | 0.06 | 2.38 | 1.04 |
| Site 6 - Water Tanks | 2/12/2024 | 16/12/2024 | 0.06 | 2.46 | 0.19 |
| Site 7 - Hearsons Cove | 2/12/2024 | 16/12/2024 | 0.32 | 2.48 | 0.51 |
| Site 5 - Burrup Road | 16/12/2024 | 31/12/2024 | 0.06 | 4.35 | 0.12 |
| Site 6 - Water Tanks | 16/12/2024 | 31/12/2024 | 0.35 | 2.35 | 0.36 |
| Site 7 - Hearsons Cove | 16/12/2024 | 31/12/2024 | 0.30 | 2.30 | 0.12 |

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 |
|--------------------------------------|--------------------------------|--------------------------------|--|
| | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ |
| 13-Jan-25 | 18 | 16 | Removed data due to spoiled filter from abnormal blotch. |
| 25-Jan-25 | 51 | 49 | 43 |

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.



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

| Site 5 - Burrup Road | | Date Deployed | 31/10/2024 | 2/12/2024 |
|----------------------|-------------------------|--------------------|------------|------------|
| | | Date Collected | 2/12/2024 | 31/12/2024 |
| Parameter | Unit | Limit of reporting | | |
| Soluble solids | g/m ² /month | 0.7 | 0.8 | 1.5 |
| Insoluble solids | g/m ² /month | 0.8 | 2 | 2.3 |

| Site 6 - Water Tanks | | Date Deployed | 31/10/2024 | 2/12/2024 |
|----------------------|-------------------------|--------------------|------------|------------|
| | | Date Collected | 2/12/2024 | 31/12/2024 |
| Parameter | Unit | Limit of reporting | | |
| Soluble solids | g/m ² /month | 0.7 | 0.9 | 1.5 |
| Insoluble solids | g/m ² /month | 0.8 | 1.2 | 1.8 |

| Site 7 – Hearsons Cove | | Date Deployed | 31/10/2024 | 2/12/2024 |
|------------------------|-------------------------|--------------------|------------|------------|
| | | Date Collected | 2/12/2024 | 31/12/2024 |
| Parameter | Unit | Limit of reporting | | |
| Soluble solids | g/m ² /month | 0.7 | <0.7 | 1.4 |
| Insoluble solids | g/m ² /month | 0.8 | 1.8 | 2 |

Notes:

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