



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
October 2024

09/12/2024 650-200-REP-YPN-0085 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 |
|--------------------------------------|--------------------------------|--------------------------------|----------------------------------|
| | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ |
| 03-Sep-24 | 34 | 33 | 35 |
| 09-Sep-24 | 18 | 18 | 13 |
| 15-Sep-24 | 16 | 17 | 17 |
| 21-Sep-24 | 56 | 23 | 26 |

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 | 2/08/2024 |
|----------------------|-------------------------|--------------------|------------|
| | | Date Collected | 30/08/2024 |
| Parameter | Unit | Limit of reporting | |
| Soluble solids | g/m ² /month | 0.7 | <0.7 |
| Insoluble solids | g/m ² /month | 0.8 | <0.8 |

| Site 6 - Water Tanks | | Date Deployed | 2/08/2024 |
|----------------------|-------------------------|--------------------|------------|
| | | Date Collected | 30/08/2024 |
| Parameter | Unit | Limit of reporting | |
| Soluble solids | g/m ² /month | 0.7 | 1 |
| Insoluble solids | g/m ² /month | 0.8 | <0.8 |

| Site 7 - Hearsons Cove | | Date Deployed | 2/08/2024 |
|------------------------|-------------------------|--------------------|------------|
| | | Date Collected | 30/08/2024 |
| Parameter | Unit | Limit of reporting | |
| Soluble solids | g/m ² /month | 0.7 | 0.8 |
| Insoluble solids | g/m ² /month | 0.8 | <0.8 |

Notes:

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