



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
November 2024

13/12/2024 650-200-REP-YPN-0086 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	30/08/2024	17/09/2024	0.37	6.18	0.20
Site 6 - Water Tanks	30/08/2024	17/09/2024	0.34	11.86	0.08
Site 7 - Hearsons Cove	30/08/2024	17/09/2024	0.27	3.25	0.20
Site 5 - Burrup Road	17/09/2024	1/10/2024	0.40	2.98	0.09
Site 6 - Water Tanks	17/09/2024	1/10/2024	0.38	1.93	0.19
Site 7 - Hearsons Cove	17/09/2024	1/10/2024	1.42	1.88	0.34
Site 5 - Burrup Road	1/10/2024	16/10/2024	0.73	3.50	0.06
Site 6 - Water Tanks	1/10/2024	16/10/2024	0.57	4.97	0.05
Site 7 - Hearsons Cove	1/10/2024	16/10/2024	0.23	2.39	0.08
Site 5 - Burrup Road	16/10/2024	31/10/2024	0.37	5.08	0.43
Site 6 - Water Tanks	16/10/2024	31/10/2024	0.38	6.00	0.15
Site 7 - Hearsons Cove	16/10/2024	31/10/2024	0.28	3.26	0.11

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
27-Sep-24	21	24	30
03-Oct-24	20	24	30
09-Oct-24	34	33	24
15-Oct-24	35	28	26
21-Oct-24	35	37	36
27-Oct-24	34	27	29

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	30/08/2024
		Date Collected	1/10/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	1.3
Insoluble solids	g/m ² /month	0.8	1.5

Site 6 - Water Tanks		Date Deployed	30/08/2024
		Date Collected	1/10/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	1.9
Insoluble solids	g/m ² /month	0.8	1.3

Site 7 – Hearsons Cove		Date Deployed	30/08/2024
		Date Collected	1/10/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	1.4
Insoluble solids	g/m ² /month	0.8	1.2

Notes:

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