



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
March 2025

9/04/2025 650-200-REP-YPN-0090 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	31/12/2024	15/01/2025	0.20	4.52	1.10
Site 6 - Water Tanks	31/12/2024	15/01/2025	0.31	3.32	0.30
Site 7 - Hearsons Cove	31/12/2024	15/01/2025	0.73	2.07	0.12
Site 5 - Burrup Road	15/01/2025	31/01/2025	0.39	3.26	0.33
Site 6 - Water Tanks	15/01/2025	31/01/2025	0.60	2.36	0.09
Site 7 - Hearsons Cove	15/01/2025	31/01/2025	1.41	2.11	0.38
Site 5 - Burrup Road	31/01/2025	12/02/2025	0.25	4.48	1.19
Site 6 - Water Tanks	31/01/2025	12/02/2025	0.43	2.95	0.17
Site 7 - Hearsons Cove	31/01/2025	12/02/2025	1.83	2.21	0.17
Site 5 - Burrup Road	17/2/2025	4/03/2025	0.16	5.44	0.22
Site 6 - Water Tanks	17/2/2025	4/03/2025	0.55	4.06	0.30
Site 7 - Hearsons Cove	17/2/2025	4/03/2025	0.66	3.20	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
	µg/m ³	µg/m ³	µg/m ³
31-Jan-25	42	58	21
06-Feb-25	29	35	26
12-Feb-25	Samples discarded due to stopping run time due to cyclone pack down		
18-Feb-25	62	No sample due to outside of run time	60
24-Feb-25	22	20	20
02-Mar-25	44	39	41
08-Mar-25	64	55	60

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	31/12/2024
		Date Collected	31/01/2025
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	Discard sample due to leaking in transit
Insoluble solids	g/m ² /month	0.8	

Site 6 - Water Tanks		Date Deployed	31/12/2024
		Date Collected	31/01/2025
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	3
Insoluble solids	g/m ² /month	0.8	2.1

Site 7 – Hearsons Cove		Date Deployed	31/12/2024
		Date Collected	31/01/2025
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	3.2
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.