



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
July 2025

8/08/2025 650-200-REP-YPN-0094 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	1/05/2025	16/05/2025	0.56	6.71	0.03
Site 6 - Water Tanks	1/05/2025	16/05/2025	0.40	4.23	0.06
Site 7 - Hearsons Cove	1/05/2025	16/05/2025	0.06	1.58	0.13
Site 5 - Burrup Road	16/05/2025	30/05/2025	0.37	5.62	0.03
Site 6 - Water Tanks	16/05/2025	30/05/2025	0.06	2.08	0.07
Site 7 - Hearsons Cove	16/05/2025	30/05/2025	0.06	1.91	0.14
Site 5 - Burrup Road	30/05/2025	13/06/2025	0.73	5.99	0.06
Site 6 - Water Tanks	30/05/2025	13/06/2025	0.09	1.84	0.03
Site 7 - Hearsons Cove	30/05/2025	13/06/2025	0.06	0.92	0.69
Site 5 - Burrup Road	13/06/2025	1/07/2025	0.23	6.75	0.04
Site 6 - Water Tanks	13/06/2025	1/07/2025	0.07	1.91	0.01
Site 7 - Hearsons Cove	13/06/2025	1/07/2025	0.05	1.52	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
	µg/m ³	µg/m ³	µg/m ³
06-Jun-2025	No sample due to power fault issue	27	23
12-Jun-2025	No sample - Sample outside runtime tolerance	33	39
18-Jun-2025	31	32	26
24-Jun-2025	28	No sample - Sample outside runtime tolerance	30
30-Jun-2025	33	No sample - Sample outside runtime tolerance	38
06-Jul-2025	15	No sample - Sample outside runtime tolerance	18

Notes:

- (1) The date is the date that sampling commenced.
(2) The Low Volume Air Sampler unit runs for a nominal 24 hours.

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



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Site 5 - Burrup Road		Date Deployed	02/04/2025	01/05/2025
		Date Collected	01/05/2025	30/05/2025
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	<0.7	<0.7
Insoluble solids	g/m ² /month	0.8	<0.8	<0.8

Site 6 - Water Tanks		Date Deployed	02/04/2025	01/05/2025
		Date Collected	01/05/2025	30/05/2025
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	<0.8	<0.8

Site 7 – Hearsons Cove		Date Deployed	02/04/2025	01/05/2025
		Date Collected	01/05/2025	30/05/2025
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	0.8	<0.7
Insoluble solids	g/m ² /month	0.8	<0.8	<0.8

Notes:

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