



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
February 2022

02/03/2023 650-200-REP-YPN-0065 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	15/12/2022	30/12/2022	0.32	1.91	0.39
Site 6 - Water Tanks	15/12/2022	30/12/2022	0.44	3.73	0.13
Site 7 – Hearsons Cove	15/12/2022	30/12/2022	1.71	2.26	1.24
Site 5 - Burrup Road	30/12/2022	13/01/2023	0.37	2.61	0.06
Site 6 - Water Tanks	30/12/2022	13/01/2023	0.62	2.95	0.21
Site 7 - Hearsons Cove	30/12/2022	13/01/2023	0.71	3.17	0.64
Site 5 - Burrup Road	13/01/2023	31/01/2023	0.89	4.05	1.60
Site 6 - Water Tanks	13/01/2023	31/01/2023	0.64	2.22	0.04
Site 7 - Hearsons Cove	13/01/2023	31/01/2023	1.24	1.87	0.09
Site 5 - Burrup Road	31/01/2023	14/02/2023	1.38	2.44	0.03
Site 6 - Water Tanks	31/01/2023	14/02/2023	1.52	2.75	0.06
Site 7 - Hearsons Cove	31/01/2023	14/02/2023	3.79	2.56	0.08

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
31-Dec-22	41	46	44
06-Jan-23	47	45	50

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	1/11/2022
		Date Collected	30/11/2022
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	1.3

Site 6 - Water Tanks		Date Deployed	1/11/2022
		Date Collected	30/11/2022
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	0.8
Insoluble solids	g/m ² /month	0.8	1.2

Site 7 – Hearsons Cove		Date Deployed	1/11/2022
		Date Collected	30/11/2022
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	1.4

Notes:

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