



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
July 2023

18/08/2023 650-200-REP-YPN-0070 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	13/04/2023	1/05/2023	1.16	3.71	0.11
Site 6 - Water Tanks	13/04/2023	1/05/2023	0.94	2.02	0.08
Site 7 – Hearsons Cove	13/04/2023	1/05/2023	0.31	1.47	0.11
Site 5 - Burrup Road	1/05/2023	15/05/2023	0.60	4.00	0.03
Site 6 - Water Tanks	1/05/2023	15/05/2023	0.48	2.56	0.12
Site 7 - Hearsons Cove	1/05/2023	15/05/2023	0.22	1.91	0.17
Site 5 - Burrup Road	15/05/2023	31/05/2023	1.68	4.12	0.05
Site 6 - Water Tanks	15/05/2023	31/05/2023	1.03	1.50	0.06
Site 7 - Hearsons Cove	15/05/2023	31/05/2023	2.29	1.32	0.07
Site 5 - Burrup Road	31/05/2023	16/06/2023	1.03	5.73	0.02
Site 6 - Water Tanks	31/05/2023	16/06/2023	0.99	3.79	0.04
Site 7 - Hearsons Cove	31/05/2023	16/06/2023	0.40	2.95	0.07

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
	No new results received to date		

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.



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

Site 5 - Burrup Road		Date Deployed	
		Date Collected	
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	No new results received to date
Insoluble solids	g/m ² /month	0.8	

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

Site 7 – Hearsons Cove		Date Deployed	
		Date Collected	
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	
Insoluble solids	g/m ² /month	0.8	

Notes:

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