



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
October 2023

21/11/2023 650-200-REP-YPN-0073 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	15/08/2023	31/08/2023	1.10	6.03	0.11
Site 6 - Water Tanks	15/08/2023	31/08/2023	2.18	4.52	0.09
Site 7 – Hearsons Cove	15/08/2023	31/08/2023	0.92	3.04	0.63
Site 5 - Burrup Road	31/08/2023	14/09/2023	0.61	6.88	0.35
Site 6 - Water Tanks	31/08/2023	14/09/2023	0.65	5.40	0.08
Site 7 - Hearsons Cove	31/08/2023	14/09/2023	0.33	3.47	0.07
Site 5 - Burrup Road	14/09/2023	29/09/2023	0.47	6.26	0.12
Site 6 - Water Tanks	14/09/2023	29/09/2023	0.77	6.24	0.14
Site 7 - Hearsons Cove	14/09/2023	29/09/2023	0.47	3.88	0.12
Site 5 - Burrup Road	29/09/2023	16/10/2023	1.42	8.90	0.28
Site 6 - Water Tanks	29/09/2023	16/10/2023	1.02	4.31	0.25
Site 7 - Hearsons Cove	29/09/2023	16/10/2023	0.94	4.35	0.15

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.