



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
January 2024

28/02/2024 650-200-REP-YPN-0076 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	31/10/2023	14/11/2023	1.32	7.01	0.28
Site 6 - Water Tanks	31/10/2023	14/11/2023	2.10	6.69	0.31
Site 7 – Hearsons Cove	31/10/2023	14/11/2023	2.48	4.09	0.25
Site 5 - Burrup Road	14/11/2023	29/11/2023	0.50	4.51	0.17
Site 6 - Water Tanks	14/11/2023	29/11/2023	0.61	3.75	0.16
Site 7 - Hearsons Cove	14/11/2023	29/11/2023	1.64	2.99	0.07
Site 5 - Burrup Road	29/11/2023	15/12/2023	0.47	1.78	1.59
Site 6 - Water Tanks	29/11/2023	15/12/2023	0.69	2.45	0.78
Site 7 - Hearsons Cove	29/11/2023	15/12/2023	9.26	3.05	1.00
Site 5 - Burrup Road	15/12/2023	29/12/2023	0.23	2.59	0.13
Site 6 - Water Tanks	15/12/2023	29/12/2023	0.22	2.60	0.06
Site 7 - Hearsons Cove	15/12/2023	29/12/2023	3.83	1.75	0.27

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
20-Nov-23	46	43	34
26-Nov-23	54	63	58
02-Dec-23	36	43	33
08-Dec-23	103	108	93

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.