



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
February 2024

25/03/2024 650-200-REP-YPN-0077 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	No new results received to date				
Site 6 - Water Tanks					
Site 7 – Hearsons Cove					

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
14-Dec-23	46	43	38
20-Dec-23	34	34	29
26-Dec-23	37	38	39
01-Jan-24	168	176	138
07-Jan-24	45	60	40
13-Jan-24	110	118	117
19-Jan-24	133	151	143
25-Jan-24	89	90	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	31/10/2023	29/11/2023
		Date Collected	29/11/2023	29/12/2024
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	0.9	1
Insoluble solids	g/m ² /month	0.8	2.2	1.7

Site 6 - Water Tanks		Date Deployed	31/10/2023	29/11/2023
		Date Collected	29/11/2023	29/12/2024
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	<0.7	0.8
Insoluble solids	g/m ² /month	0.8	2	1.3

Site 7 – Hearsons Cove		Date Deployed	31/10/2023	29/11/2023
		Date Collected	29/11/2023	29/12/2024
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	<0.7	1
Insoluble solids	g/m ² /month	0.8	1.9	2

Notes:

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