



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	29/12/2023	15/01/2024	0.35	3.75	0.08
Site 6 - Water Tanks	29/12/2023	15/01/2024	0.45	3.32	0.15
Site 7 - Hearsons Cove	29/12/2023	15/01/2024	1.37	2.52	0.19
Site 5 - Burrup Road	15/01/2024	31/01/2024	0.31	2.80	0.57
Site 6 - Water Tanks	15/01/2024	31/01/2024	0.26	2.27	0.61
Site 7 - Hearsons Cove	15/01/2024	31/01/2024	6.28	2.32	0.04
Site 5 - Burrup Road	31/01/2024	14/02/2024	0.30	2.42	0.88
Site 6 - Water Tanks	31/01/2024	14/02/2024	0.53	2.99	1.03
Site 7 - Hearsons Cove	31/01/2024	14/02/2024	1.15	3.39	0.21
Site 5 - Burrup Road	14/02/2024	29/02/2024	1.31	3.03	1.18
Site 6 - Water Tanks	14/02/2024	29/02/2024	0.30	1.82	0.21
Site 7 - Hearsons Cove	14/02/2024	29/02/2024	0.30	1.55	3.61
Site 5 - Burrup Road	29/02/2024	15/03/2024	0.66	0.72	0.36
Site 6 - Water Tanks	29/02/2024	15/03/2024	0.37	2.41	0.20
Site 7 - Hearsons Cove	29/02/2024	15/03/2024	3.08	2.07	0.38
Site 5 - Burrup Road	15/03/2024	2/04/2024	1.07	2.98	2.36
Site 6 - Water Tanks	15/03/2024	2/04/2024	0.20	2.04	0.20
Site 7 - Hearsons Cove	15/03/2024	2/04/2024	0.47	2.15	0.15
Site 5 - Burrup Road	2/04/2024	16/04/2024	1.15	1.33	0.33
Site 6 - Water Tanks	2/04/2024	16/04/2024	0.25	0.99	0.72
Site 7 - Hearsons Cove	2/04/2024	16/04/2024	0.45	0.26	0.41



Yara Pilbara Nitrates Pty Ltd
 Air Quality Monitoring Report
 May 2024

30/05/2024 650-200-REP-YPN-0080 Rev 0

Site	Date On	Date Off	NH ₃	NO ₂	SO ₂
			µg/m ³	µg/m ³	µg/m ³
Site 5 - Burrup Road	16/04/2024	1/05/2024	2.19	6.66	0.12
Site 6 - Water Tanks	16/04/2024	1/05/2024	0.62	2.09	0.08
Site 7 - Hearsons Cove	16/04/2024	1/05/2024	0.28	2.09	0.05



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
12-Apr-24	29	No result reported as there was a small deposit on the edge of the filter likely due to the filter housing seal.	No result reported as there was a small deposit on the edge of the filter likely due to the filter housing seal.
18-Apr-24	23	31	36

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	31/01/2024
		Date Collected	29/02/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	0.9
Insoluble solids	g/m ² /month	0.8	2.3

Site 6 - Water Tanks		Date Deployed	31/01/2024
		Date Collected	29/02/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	1.3
Insoluble solids	g/m ² /month	0.8	1.6

Site 7 – Hearsons Cove		Date Deployed	31/01/2024
		Date Collected	29/02/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	1.7
Insoluble solids	g/m ² /month	0.8	2.2

Notes:

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