



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
July 2024

9/09/2024 650-200-REP-YPN-0082 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	1/05/2024	16/05/2024	0.69	6.88	0.08
Site 6 - Water Tanks	1/05/2024	16/05/2024	0.11	3.81	0.17
Site 7 - Hearsons Cove	1/05/2024	16/05/2024	0.13	1.50	0.11
Site 5 - Burrup Road	16/05/2024	30/05/2024	1.42	8.24	0.06
Site 6 - Water Tanks	16/05/2024	30/05/2024	0.27	3.13	1.70
Site 7 - Hearsons Cove	16/05/2024	30/05/2024	0.14	8.24	0.06
Site 5 - Burrup Road	30/05/2024	13/06/2024	1.92	5.47	0.06
Site 6 - Water Tanks	30/05/2024	13/06/2024	0.28	2.20	0.09
Site 7 - Hearsons Cove	30/05/2024	13/06/2024	0.06	1.55	0.03
Site 5 - Burrup Road	13/06/2024	1/07/2024	1.68	7.28	0.31
Site 6 - Water Tanks	13/06/2024	1/07/2024	0.61	3.63	0.11
Site 7 - Hearsons Cove	13/06/2024	1/07/2024	0.31	2.77	1.15



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
11-Jun-24	14	14	21
17-Jun-24	40	22	21
23-Jul-24	32	25	19
29-Jun-24	23	26	20

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.
- (4) Result invalid as exposure was outside AS requirement of 24 +/- 1 hour



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

Site 5 - Burrup Road		Date Deployed	1/05/2024
		Date Collected	30/05/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	<0.8

Site 6 - Water Tanks		Date Deployed	1/05/2024
		Date Collected	30/05/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	1.1
Insoluble solids	g/m ² /month	0.8	<0.8

Site 7 – Hearsons Cove		Date Deployed	1/05/2024
		Date Collected	30/05/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	<0.8

Notes:

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