



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
September 2022

21/10/2022 650-200-REP-YPN-0060 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	17/06/2022	1/07/2022	2.41	7.77	0.03
Site 6 - Water Tanks	17/06/2022	1/07/2022	0.42	2.39	0.07
Site 7 – Hearsons Cove	17/06/2022	1/07/2022	0.22	2.20	0.03
Site 5 - Burrup Road	1/07/2022	15/07/2022	1.97	6.38	0.03
Site 6 - Water Tanks	1/07/2022	15/07/2022	0.30	1.80	0.04
Site 7 - Hearsons Cove	1/07/2022	15/07/2022	0.09	1.90	0.66
Site 5 - Burrup Road	15/07/2022	1/08/2022	0.64	6.55	0.07
Site 6 - Water Tanks	15/07/2022	1/08/2022	0.48	3.56	0.17
Site 7 - Hearsons Cove	15/07/2022	1/08/2022	0.45	2.49	0.05
Site 5 - Burrup Road	1/08/2022	16/08/2022	0.54	5.17	0.10
Site 6 - Water Tanks	1/08/2022	16/08/2022	1.13	3.40	0.16
Site 7 - Hearsons Cove	1/08/2022	16/08/2022	0.57	2.18	0.10

Notes:

(1) Site 7 renamed from Deep Gorge to Hearson 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
09-Aug-22	7	9	6
15-Aug-22	12	12	15
21-Aug-22	13	14	19
27-Aug-22	17	12	14

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	1/07/2022
		Date Collected	1/08/2022
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	1/07/2022
		Date Collected	1/08/2022
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	0.9
Insoluble solids	g/m ² /month	0.8	<0.8

Site 7 - Hearsons Cove		Date Deployed	1/07/2022
		Date Collected	1/08/2022
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	0.9
Insoluble solids	g/m ² /month	0.8	<0.8

Notes:

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