



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
January 2022

14/03/2022 650-200-REP-YPN-0052 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	14/10/2021	2/11/2021	0.53	1.82	1.22
Site 6 - Water Tanks	14/10/2021	2/11/2021	0.61	4.33	0.25
Site 7 - Hearsons Cove	14/10/2021	2/11/2021	0.40	3.26	0.09
Site 5 - Burrup Road	2/11/2021	16/11/2021	0.25	5.07	0.04
Site 6 - Water Tanks	2/11/2021	16/11/2021	0.48	5.13	0.12
Site 7 - Hearsons Cove	2/11/2021	16/11/2021	0.53	2.61	0.01
Site 5 - Burrup Road	16/11/2021	30/11/2021	0.36	0.08	0.01
Site 6 - Water Tanks	16/11/2021	30/11/2021	0.84	5.39	0.06
Site 7 - Hearsons Cove	16/11/2021	30/11/2021	2.30	0.08	0.01
Site 5 - Burrup Road	30/11/2021	15/12/2021	0.43	11.45	0.51
Site 6 - Water Tanks	30/11/2021	15/12/2021	1.19	5.69	0.07
Site 7 - Hearsons Cove	30/11/2021	15/12/2021	1.57	4.05	0.09

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
12-Dec-21	30	35	24
18-Dec-21	30	39	32
24-Dec-21	55	53	55
30-Dec-21	29	47	46

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	2/11/2021	30/11/2021
		Date Collected	30/11/2021	31/12/2021
Parameter	Unit	Limit of Reporting		
Soluble solids	g/m ² /month	0.7	<0.7	1.4
Insoluble solids	g/m ² /month	0.8	<0.8	1.8

Site 6 - Water Tanks		Date Deployed	2/11/2021	30/11/2021
		Date Collected	30/11/2021	31/12/2021
Parameter	Unit	Limit of Reporting		
Soluble solids	g/m ² /month	0.7	1.7	<0.7
Insoluble solids	g/m ² /month	0.8	1.4	1.6

Site 7 – Hearsons Cove		Date Deployed	2/11/2021	30/11/2021
		Date Collected	30/11/2021	31/12/2021
Parameter	Unit	Limit of Reporting		
Soluble solids	g/m ² /month	0.7	0.9	0.7
Insoluble solids	g/m ² /month	0.8	1.9	1.6

Notes:

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