



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
August 2022

19/09/2022 650-200-REP-YPN-0059 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 – Hearson Cove					

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
04-Jul-22	22	28	23
10-Jul-22	15	10	10
16-Jul-22	13	11	11
22-Jul-22	13	17	15
28-Jul-22	20	19	18
03-Aug-22	13	12	13

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	1/06/2022
		Date Collected	1/07/2022
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.1
Insoluble solids	g/m ² /month	0.8	1.1

Site 6 - Water Tanks		Date Deployed	1/06/2022
		Date Collected	1/07/2022
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1
Insoluble solids	g/m ² /month	0.8	<0.8

Site 7 - Hearsons Cove		Date Deployed	1/06/2022
		Date Collected	1/07/2022
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.3
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.