



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
August 2023

06/09/2023 650-200-REP-YPN-0071 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 – Hearsons Cove					

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
17-Jun-23	22	16	12
23-Jun-23	5	6	6
29-Jun-23	13	13	10
05-Jul-23	21	15	9
11-Jul-23	12	12	16
17-Jul-23	21	9	10
23-Jul-23	18	22	26
29-Jul-23	16	20	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	31/03/2023	1/05/2023
		Date Collected	1/05/2023	31/05/2023
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	<0.7	<0.7
Insoluble solids	g/m ² /month	0.8	1.5	0.8

Site 6 - Water Tanks		Date Deployed	31/03/2023	1/05/2023
		Date Collected	1/05/2023	31/05/2023
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	<0.7	0.7
Insoluble solids	g/m ² /month	0.8	<0.8	1.5

Site 7 – Hearsons Cove		Date Deployed	31/03/2023	1/05/2023
		Date Collected	1/05/2023	31/05/2023
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	0.8	1.1

Notes:

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