



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
June 2024

01/08/2024 650-200-REP-YPN-0081 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	16/10/2023	31/10/2023	1.04	5.55	0.33
Site 6 - Water Tanks	16/10/2023	31/10/2023	No sample	No sample	No sample
Site 7 - Hearsons Cove	16/10/2023	31/10/2023	1.25	3.26	0.20



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
24-Apr-24	21	26	20
30-Apr-24	21	21	23
06-May-24	20	24	13
12-May-24	21	22	25
18-May-24	26	26	25
24-May-24	29	(4)	33
30-May-24	18	23	24
05-Jun-24	28	22	30

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	29/02/2024	2/04/2024
		Date Collected	2/04/2024	1/05/2024
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	<4.3	<2.6
Insoluble solids	g/m ² /month	0.8	1.3	1.4

Site 6 - Water Tanks		Date Deployed	29/02/2024	2/04/2024
		Date Collected	2/04/2024	1/05/2024
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	<4.3	<3.3
Insoluble solids	g/m ² /month	0.8	1.8	1.6

Site 7 – Hearsons Cove		Date Deployed	29/02/2024	2/04/2024
		Date Collected	2/04/2024	1/05/2024
Parameter	Unit	Limit of reporting		
Soluble solids	g/m ² /month	0.7	<4.0	<2.4
Insoluble solids	g/m ² /month	0.8	1.4	1.4

Notes:

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