



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
April 2023

03/05/2023 650-200-REP-YPN-0067 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 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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
05-Feb-23	14	15	10
11-Feb-23	31	35	15
17-Feb-23	23	25	20
23-Feb-23	15	16	20
01-Mar-23	25	22	22
06-Mar-23	26	24	23
12-Mar-23	44	32	31
18-Mar-23	42	25	23

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	30/11/2022	30/12/2022	30/01/2023
		Date Collected	30/12/2022	30/01/2023	28/02/2023
Parameter	Unit	Limit of reporting			
Soluble solids	g/m ² /month	0.7	0.9	1.9	1.9
Insoluble solids	g/m ² /month	0.8	1.2	2.7	3

Site 6 - Water Tanks		Date Deployed	30/11/2022	30/12/2022	30/01/2023
		Date Collected	30/12/2022	30/01/2023	28/02/2023
Parameter	Unit	Limit of reporting			
Soluble solids	g/m ² /month	0.7	0.8	1.3	2
Insoluble solids	g/m ² /month	0.8	1.5	1.7	1.2

Site 7 – Hearsons Cove		Date Deployed	30/11/2022	30/12/2022	30/01/2023
		Date Collected	30/12/2022	30/01/2023	28/02/2023
Parameter	Unit	Limit of reporting			
Soluble solids	g/m ² /month	0.7	<0.7	0.9	1.5
Insoluble solids	g/m ² /month	0.8	1.5	1.8	2.1

Notes:

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