



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
May 2023

21/06/2023 650-200-REP-YPN-0068 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	14/02/2023	28/02/2023	1.76	1.41	0.78
Site 6 - Water Tanks	14/02/2023	28/02/2023	1.90	1.19	0.07
Site 7 – Hearsons Cove	14/02/2023	28/02/2023	3.29	0.71	0.06
Site 5 - Burrup Road	28/02/2023	15/03/2023	0.97	2.36	4.62
Site 6 - Water Tanks	28/02/2023	15/03/2023	1.05	1.58	0.34
Site 7 - Hearsons Cove	28/02/2023	15/03/2023	7.39	2.28	0.57
Site 5 - Burrup Road	15/03/2023	30/03/2023	1.51	1.54	1.49
Site 6 - Water Tanks	15/03/2023	30/03/2023	2.10	2.26	0.44
Site 7 - Hearsons Cove	15/03/2023	30/03/2023	2.81	0.21	0.08
Site 5 - Burrup Road	30/03/2023	13/04/2023	0.64	3.62	0.08
Site 6 - Water Tanks	30/03/2023	13/04/2023	1.61	2.91	0.30
Site 7 - Hearsons Cove	30/03/2023	13/04/2023	1.87	1.78	0.06

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
	No new results received to date		

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	
		Date Collected	
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	No new results received to date
Insoluble solids	g/m ² /month	0.8	

Site 6 - Water Tanks		Date Deployed	
		Date Collected	
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	
Insoluble solids	g/m ² /month	0.8	

Site 7 – Hearsons Cove		Date Deployed	
		Date Collected	
Parameter	Unit	Limit of reporting	
Soluble solids	g/m ² /month	0.7	
Insoluble solids	g/m ² /month	0.8	

Notes:

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