



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
November 2022

02/12/2022 650-200-REP-YPN-0062 Rev 0

**Ambient Air Concentration of Gases**  
**NH<sub>3</sub>, NO<sub>2</sub> and SO<sub>2</sub>**

Site	Date On	Date Off	NH <sub>3</sub>	NO <sub>2</sub>	SO <sub>2</sub>
			µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Site 5 - Burrup Road	16/08/2022	30/08/2022	0.81	3.26	0.96
Site 6 - Water Tanks	16/08/2022	30/08/2022	0.64	1.84	0.08
Site 7 – Hearsons Cove	16/08/2022	30/08/2022	0.22	1.41	0.02
Site 5 - Burrup Road	30/08/2022	13/09/2022	0.35	3.37	0.16
Site 6 - Water Tanks	30/08/2022	13/09/2022	0.26	2.68	0.02
Site 7 - Hearsons Cove	30/08/2022	13/09/2022	0.27	1.38	1.05
Site 5 - Burrup Road	13/09/2022	30/09/2022	0.39	4.34	0.06
Site 6 - Water Tanks	13/09/2022	30/09/2022	0.56	3.80	0.10
Site 7 - Hearsons Cove	13/09/2022	30/09/2022	0.43	2.52	0.04
Site 5 - Burrup Road	30/09/2022	17/10/2022	0.33	3.68	0.02
Site 6 - Water Tanks	30/09/2022	17/10/2022	1.01	3.72	0.29
Site 7 - Hearsons Cove	30/09/2022	17/10/2022	2.47	2.27	0.04

**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 <sup>(1),(2)</sup>	Site 5 (Burrup Road) TSP	Site 6 (Water Tanks) TSP	Site 7 (Hearsons Cove) TSP
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
08-Oct-22	25	23	28
14-Oct-22	17	18	16

**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	
		Date Collected	
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	
Insoluble solids	g/m <sup>2</sup> /month	0.8	

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

Site 7 - Hearsons Cove		Date Deployed	
		Date Collected	
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	
Insoluble solids	g/m <sup>2</sup> /month	0.8	

**Notes:**

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