



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
March 2023

05/04/2023 650-200-REP-YPN-0066 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	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 <sup>(1),(2)</sup>	Site 5 (Burrup Road) TSP	Site 6 (Water Tanks) TSP	Site 7 (Hearsons Cove) TSP
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
12-Jan-23	35	31	31
18-Jan-23	44	42	36
24-Jan-23	14	16	12
30-Jan-23	32	29	28

**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	No new results received to date
		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	No new results received to date
		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	No new results received to date
		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.