



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
December 2023

31/01/2024 650-200-REP-YPN-0075 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 – Hearsons 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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
03-Oct-23	20	29	25
09-Oct-23	62	55	46
15-Oct-23	37	43	37
20-Oct-23	69	43	26
27-Oct-23	98	99	80
02-Nov-23	45	42	33
08-Nov-23	116	98	89
14-Nov-23	35	40	39

**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	31/08/2023	29/09/2023
		Date Collected	29/09/2023	31/10/2023
Parameter	Unit	Limit of reporting		
Soluble solids	g/m <sup>2</sup> /month	0.7	1	1
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.9	1.9

Site 6 - Water Tanks		Date Deployed	31/08/2023	29/09/2023
		Date Collected	29/09/2023	31/10/2023
Parameter	Unit	Limit of reporting		
Soluble solids	g/m <sup>2</sup> /month	0.7	1	0.7
Insoluble solids	g/m <sup>2</sup> /month	0.8	0.9	1.8

Site 7 – Hearsons Cove		Date Deployed	31/08/2023	29/09/2023
		Date Collected	29/09/2023	31/10/2023
Parameter	Unit	Limit of reporting		
Soluble solids	g/m <sup>2</sup> /month	0.7	1.1	2.4
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.4	2.1

**Notes:**

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