



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
September 2024

25/10/2024 650-200-REP-YPN-0084 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	1/07/2024	16/07/2024	1.68	7.53	0.35
Site 6 - Water Tanks	1/07/2024	16/07/2024	0.18	6.65	0.09
Site 7 - Hearsons Cove	1/07/2024	16/07/2024	0.23	2.71	1.66
Site 5 - Burrup Road	16/07/2024	31/07/2024	0.54	6.23	0.19
Site 6 - Water Tanks	16/07/2024	31/07/2024	0.13	2.51	0.02
Site 7 - Hearsons Cove	16/07/2024	31/07/2024	0.08	2.15	0.11
Site 5 - Burrup Road	31/07/2024	14/08/2024	0.36	4.55	0.01
Site 6 - Water Tanks	31/07/2024	14/08/2024	0.24	4.08	0.24
Site 7 - Hearsons Cove	31/07/2024	14/08/2024	0.09	2.74	0.09
Site 5 - Burrup Road	14/08/2024	30/08/2024	0.67	4.21	0.10
Site 6 - Water Tanks	14/08/2024	30/08/2024	0.42	4.03	0.02
Site 7 - Hearsons Cove	14/08/2024	30/08/2024	0.65	2.41	0.01

**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
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
29-Jul-24	21	8	13
04-Aug-24	10	8	5
10-Aug-24	22	16	4
16-Aug-24	22	20	9
22-Aug-24	17	12	15
28-Aug-24	34	28	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	1/07/2024
		Date Collected	2/08/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	1.2
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.2

Site 6 - Water Tanks		Date Deployed	1/07/2024
		Date Collected	2/08/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	0.7
Insoluble solids	g/m <sup>2</sup> /month	0.8	<0.8

Site 7 – Hearsons Cove		Date Deployed	1/07/2024
		Date Collected	2/08/2024
Parameter	Unit	Limit of reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	1
Insoluble solids	g/m <sup>2</sup> /month	0.8	<0.8

**Notes:**

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