



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
May 2022

30/06/2022 650-200-REP-YPN-0056 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	15/02/2022	1/03/2022	0.86	4.44	0.21
Site 6 - Water Tanks	15/02/2022	1/03/2022	1.25	4.46	0.15
Site 7 – Hearsons Cove	15/02/2022	1/03/2022	5.08	2.98	0.07
Site 5 - Burrup Road	1/03/2022	16/03/2022	0.99	4.47	0.09
Site 6 - Water Tanks	1/03/2022	16/03/2022	2.19	3.36	0.05
Site 7 - Hearsons Cove	1/03/2022	16/03/2022	1.88	2.78	0.09
Site 5 - Burrup Road	16/03/2022	31/03/2022	1.56	4.70	0.09
Site 6 - Water Tanks	16/03/2022	31/03/2022	4.47	3.59	0.10
Site 7 - Hearsons Cove	16/03/2022	31/03/2022	2.56	2.74	0.06
Site 5 - Burrup Road	31/03/2022	14/04/2022	0.61	3.28	0.07
Site 6 - Water Tanks	31/03/2022	14/04/2022	1.82	3.46	0.04
Site 7 - Hearsons Cove	31/03/2022	14/04/2022	0.73	2.74	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
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
30-Mar-22	15	12	16
05-Apr-22	18	13	9
11-Apr-22	18	15	25
17-Apr-22	22	24	28
23-Apr-22	17	23	13
29-Apr-22	16	21	13

**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	1/03/2022
		Date Collected	31/03/2022
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	1.5

Site 6 - Water Tanks		Date Deployed	1/03/2022
		Date Collected	31/03/2022
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	0.8
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.7

Site 7 – Hearsons Cove		Date Deployed	1/03/2022
		Date Collected	31/03/2022
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	1.7

**Notes:**

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