



Yara Pilbara Nitrates Pty Ltd  
 Air Quality Monitoring Report  
 December 2022

23/01/2023 650-200-REP-YPN-0063 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
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
20-Oct-22	19	24	31
26-Oct-22	26	22	20
01-Nov-22	14	19	13
07-Nov-22	21	25	24
13-Nov-22	32	29	28
19-Nov-22	30	24	24

**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	30/08/2022
		Date Collected	30/09/2022
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	1.6

Site 6 - Water Tanks		Date Deployed	Date Deployed
		Date Collected	Date Collected
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	1.4

Site 7 – Hearsons Cove		Date Deployed	Date Deployed
		Date Collected	Date Collected
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	1.6

**Notes:**

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