



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
October 2021

03/11/2021 650-200-REP-YPN-0049 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 - Deep Gorge					



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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 (Deep Gorge) TSP
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
07-Sep-21	31	31	27
13-Sep-21	27	27	25
19-Sep-21	29	27	24
25-Sep-21	33	37	37
01-Oct-21	25	25	32
07-Oct-21	33	32	34

**Notes:**

- (1) The date is the date that sampling commenced.  
(2) The Low Volume Air Sampler unit runs for a nominal 24 hours.



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**Deposited Dust - Total Dust Deposition per Month  
Insoluble and Soluble Fraction**

Site 5 - Burrup Road		Date Deployed	30/06/2021
		Date Collected	30/07/2021
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	30/06/2021
		Date Collected	30/07/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	1.3
Insoluble solids	g/m <sup>2</sup> /month	0.8	<0.8

Site 7 - Deep Gorge		Date Deployed	30/06/2021
		Date Collected	30/07/2021
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