



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
April 2021

03/05/2021 650-200-REP-YPN-0042 Rev 0

Ambient Air Concentration of Gases
NH₃, NO₂ and SO₂

Site	Date On	Date Off	NH ₃	NO ₂	SO ₂
			µg/m ³	µg/m ³	µg/m ³
Site 5 - Burrup Road	No new results to date				
Site 6 - Water Tanks					
Site 7 - Deep Gorge					



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Airborne Particulate Concentration
Total Suspended Particulates (TSP)

Period Start Date ^{(1),(2)}	Site 5 (Burrup Road) TSP	Site 6 (Water Tanks) TSP	Site 7 (Deep Gorge) TSP
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
27-Feb-21	30	38	39
05-Mar-21	17	19	17
11-Mar-21	21	26	25
17-Mar-21	11	12	15
23-Mar-21	27	25	27
29-Mar-21	21	15	25 ⁽³⁾
04-Apr-21	30	28	37
10-Apr-21	21	27	25

Notes:

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.
- (3) The corrected sample volume was 10% lower than expected.



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

Site 5 - Burrup Road		Date Deployed	01/02/2021
		Date Collected	02/03/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	2.4
Insoluble solids	g/m ² /month	0.8	1.2

Site 6 - Water Tanks		Date Deployed	01/02/2021
		Date Collected	02/03/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	<2
Insoluble solids	g/m ² /month	0.8	0.9

Site 7 - Deep Gorge		Date Deployed	01/02/2021
		Date Collected	02/03/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.9
Insoluble solids	g/m ² /month	0.8	1.0