



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
October 2019

01/11/2019 650-200-REP-YPN-0024 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 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 ^{(1),(2)}	Site 5 (Burrup Road) TSP	Site 6 (Water Tanks) TSP	Site 7 (Deep Gorge) TSP
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
24-Sep-19	26	29	26
30-Sep-19	26	29	30
06-Oct-19	27	29	27
12-Oct-19	50	46	57

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	31/07/2019
		Date Collected	30/08/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.1
Insoluble solids	g/m ² /month	0.8	<0.8

Site 6 - Water Tanks		Date Deployed	31/07/2019
		Date Collected	30/08/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	0.9
Insoluble solids	g/m ² /month	0.8	1

Site 7 - Deep Gorge		Date Deployed	31/07/2019
		Date Collected	30/08/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	0.8
Insoluble solids	g/m ² /month	0.8	1.8