



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
May 2019

04/06/2019 650-200-REP-YPN-0019 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	14/02/2019	28/02/2019	0.40	3.16	0.65
Site 6 - Water Tanks	14/02/2019	28/02/2019	0.83	2.71	0.25
Site 7 - Deep Gorge	14/02/2019	28/02/2019	1.18	4.45	0.79
Site 5 - Burrup Road	28/02/2019	14/03/2019	0.24	3.16	0.17
Site 6 - Water Tanks	28/02/2019	14/03/2019	0.36	2.92	0.21
Site 7 - Deep Gorge	28/02/2019	14/03/2019	0.96	3.23	0.31
Site 5 - Burrup Road	14/03/2019	22/03/2019	2.04	3.50	0.19
Site 6 - Water Tanks	14/03/2019	22/03/2019	0.56	4.07	0.19
Site 7 - Deep Gorge	14/03/2019	22/03/2019	8.42	3.28	0.39
Site 5 - Burrup Road	28/03/2019	16/04/2019	2.03	2.48	1.19
Site 6 - Water Tanks	28/03/2019	16/04/2019	4.68	2.25	0.29
Site 7 - Deep Gorge	28/03/2019	16/04/2019	1.13	1.00	2.24



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
21-Apr-19	18	28	24
27-Apr-19	19	19	23
03-May-19	20	17	20
09-May-19	58	49	58

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	28/02/2019
		Date Collected	1/04/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.7
Insoluble solids	g/m ² /month	0.8	1.8

Site 6 - Water Tanks		Date Deployed	28/02/2019
		Date Collected	1/04/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.2
Insoluble solids	g/m ² /month	0.8	1.3

Site 7 - Deep Gorge		Date Deployed	28/02/2019
		Date Collected	1/04/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.7
Insoluble solids	g/m ² /month	0.8	1.4