



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
July 2019

01/08/2019 650-200-REP-YPN-0021 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	16/04/2019	30/04/2019	0.92	4.35	0.16
Site 6 - Water Tanks	16/04/2019	30/04/2019	5.50	2.07	0.15
Site 7 - Deep Gorge	16/04/2019	30/04/2019	0.62	2.37	0.16
Site 5 - Burrup Road	30/04/2019	16/05/2019	0.84	5.91	0.49
Site 6 - Water Tanks	30/04/2019	16/05/2019	0.46	2.30	0.16
Site 7 - Deep Gorge	30/04/2019	16/05/2019	0.24	2.26	0.17
Site 5 - Burrup Road	16/05/2019	30/05/2019	1.77	8.50	0.59
Site 6 - Water Tanks	16/05/2019	30/05/2019	1.96	4.41	0.58
Site 7 - Deep Gorge	16/05/2019	30/05/2019	0.71	3.75	0.42
Site 5 - Burrup Road	30/05/2019	13/06/2019	2.44	4.26	0.53
Site 6 - Water Tanks	30/05/2019	13/06/2019	0.86	1.13	0.47
Site 7 - Deep Gorge	30/05/2019	13/06/2019	0.32	0.96	0.28



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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-May-19	14	16	18
02-Jun-19	26	32	33
08-Jun-19	24	30	32
14-Jun-19	9	8	8
20-Jun-19	14	13	15
26-Jun-19	12	13	9

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	30/04/2019
		Date Collected	30/05/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	0.8
Insoluble solids	g/m ² /month	0.8	<0.8

Site 6 - Water Tanks		Date Deployed	30/04/2019
		Date Collected	30/05/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.1
Insoluble solids	g/m ² /month	0.8	1.2

Site 7 - Deep Gorge		Date Deployed	30/04/2019
		Date Collected	30/05/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	<0.8