



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
March 2018

28-03-2018 650-200-REP-YPN-0004 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	02/01/2018	16/01/2018	0.19	1.15	0.45
Site 6 - Water Tanks	02/01/2018	16/01/2018	0.64	1.71	1.85
Site 6 - Water Tanks (Dup)	02/01/2018	16/01/2018	0.71	1.60	0.09
Site 7 - Deep Gorge	02/01/2018	16/01/2018	2.17	1.94	0.02
Site 5 - Burrup Road	16/01/2018	31/01/2018	0.28	1.72	1.20
Site 6 - Water Tanks	16/01/2018	31/01/2018	0.30	1.26	0.12
Site 6 - Water Tanks (Dup)	16/01/2018	31/01/2018	0.30	1.51	0.05
Site 7 - Deep Gorge	16/01/2018	31/01/2018	2.22	0.90	0.08
Site 5 - Burrup Road	31/01/2018	14/02/2018	0.14	1.48	0.04
Site 6 - Water Tanks	31/01/2018	14/02/2018	0.17	1.42	0.97
Site 6 - Water Tanks (Dup)	31/01/2018	14/02/2018	0.14	1.19	0.03
Site 7 - Deep Gorge	31/01/2018	14/02/2018	0.32	1.13	0.09



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Airborne Particulate Concentration
Total Suspended Particulates (TSP)

Period Start Date	Site 5 (Burrup Road) TSP	Site 6 (Water Tanks) TSP	Site 7 (Deep Gorge) TSP
Units	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
26-Jan-18	32	36	38
01-Feb-18	7	10	11
07-Feb-18	23	25	26
13-Feb-18	26	29	28
19-Feb-18	31	42	47
25-Feb-18	22	29	31

Notes:

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



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

Site 5 - Burrup Road		Date Deployed	31/10/2017	30/11/2017
		Date Collected	30/11/2017	02/01/2018
Parameter	Unit	Limit of Reporting		
Soluble solids	g/m ² /month	0.7	<0.7	<0.7
Insoluble solids	g/m ² /month	0.8	<0.8	<0.8

Site 6 - Water Tanks		Date Deployed	31/10/2017	30/11/2017
		Date Collected	30/11/2017	02/01/2018
Parameter	Unit	Limit of Reporting		
Soluble solids	g/m ² /month	0.7	0.8	0.7
Insoluble solids	g/m ² /month	0.8	<0.8	<0.8

Site 7 - Deep Gorge		Date Deployed	31/10/2017	30/11/2017
		Date Collected	30/11/2017	02/01/2018
Parameter	Unit	Limit of Reporting		
Soluble solids	g/m ² /month	0.7	<0.7	1.0
Insoluble solids	g/m ² /month	0.8	1.2	0.9