



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
July 2018

06-08-2018 650-200-REP-YPN-0008 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	15/05/2018	31/05/2018	0.71	3.32	0.14
Site 6 - Water Tanks	15/05/2018	31/05/2018	3.58	1.43	0.06
Site 7 - Deep Gorge	15/05/2018	31/05/2018	0.19	1.03	0.06
Site 5 - Burrup Road	31/05/2018	15/06/2018	4.02	2.68	0.12
Site 6 - Water Tanks	31/05/2018	15/06/2018	0.83	1.26	0.07
Site 7 - Deep Gorge	31/05/2018	15/06/2018	1.26	1.79	7.40
Site 5 - Burrup Road	15/06/2018	29/06/2018	0.47	2.51	1.08
Site 6 - Water Tanks	15/06/2018	29/06/2018	0.47	1.22	0.01
Site 7 - Deep Gorge	15/06/2018	29/06/2018	0.14	0.95	0.15



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
July 2018

06-08-2018 650-200-REP-YPN-0008 Rev 0

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
14/05/2018	25	23	30
20/05/2018	21	25	23
26/05/2018	10	17	13
01/06/2018	30	25	17
07/06/2018	6	6	-(³)
13/06/2018	11	12	22

Notes:

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.
- (3) Compromised sample – brown strip on edge of filter.



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
July 2018

06-08-2018 650-200-REP-YPN-0008 Rev 0

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

Site 5 - Burrup Road		Date Deployed	29/03/2018
		Date Collected	27/04/2018
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

Site 6 - Water Tanks		Date Deployed	29/03/2018
		Date Collected	27/04/2018
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

Site 7 - Deep Gorge		Date Deployed	29/03/2018
		Date Collected	27/04/2018
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	1.0