



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
May 2018

31-05-2018 650-200-REP-YPN-0006 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	29/03/2018	13/04/2018	0.35	2.49	1.68
Site 6 - Water Tanks	29/03/2018	13/04/2018	0.59	1.47	0.12
Site 7 - Deep Gorge	29/03/2018	13/04/2018	0.35	2.23	0.14
Site 5 - Burrup Road	13/04/2018	27/04/2018	0.53	3.06	0.40
Site 6 - Water Tanks	13/04/2018	27/04/2018	0.78	2.34	0.21
Site 7 - Deep Gorge	13/04/2018	27/04/2018	0.45	1.72	0.12
Site 5 - Burrup Road	27/04/2018	15/05/2018	1.92	3.05	0.35
Site 6 - Water Tanks	27/04/2018	15/05/2018	2.71	1.62	0.16
Site 7 - Deep Gorge	27/04/2018	15/05/2018	0.40	1.53	0.14



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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
Units	µg/m³	µg/m³	µg/m³
27-Mar-18	47	NA ⁽³⁾	NA ⁽³⁾
02-Apr-18	16	17	15
08-Apr-18	76	76	79
14-Apr-18	20	17	16
20-Apr-18	14	17	21

Notes:

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.
- (3) NA = filter not analysed.



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

Site 5 - Burrup Road		Date Deployed	31/01/2018
		Date Collected	28/02/2018
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	31/01/2018
		Date Collected	28/02/2018
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	0.8
Insoluble solids	g/m ² /month	0.8	0.9

Site 7 - Deep Gorge		Date Deployed	31/01/2018
		Date Collected	28/02/2018
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.7
Insoluble solids	g/m ² /month	0.8	1.0