



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
January 2018

30-01-2018 650-200-REP-YPN-0002 Rev 0

**Ambient Air Concentration of Gases**

**NH<sub>3</sub>, NO<sub>2</sub> and SO<sub>2</sub>**

Site	Date On	Date Off	NH <sub>3</sub>	NO <sub>2</sub>	SO <sub>2</sub>
			µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Site 5 - Burrup Road	14/11/2017	30/11/2017	0.09	2.33	0.63
Site 6 - Water Tanks	14/11/2017	30/11/2017	0.10	2.43	0.14
Site 6 - Water Tanks (Dup)	14/11/2017	30/11/2017	0.06	2.22	0.14
Site 7 - Deep Gorge	14/11/2017	30/11/2017	0.14	2.01	0.08
Site 5 - Burrup Road	30/11/2017	14/12/2017	0.18	0.26	4.02
Site 6 - Water Tanks	30/11/2017	14/12/2017	0.19	2.33	0.11
Site 6 - Water Tanks (Dup)	30/11/2017	14/12/2017	0.11	2.39	0.09
Site 7 - Deep Gorge	30/11/2017	14/12/2017	0.18	2.79	0.05
Site 5 - Burrup Road	14/12/2017	02/01/2018	0.05	2.61	0.63
Site 6 - Water Tanks	14/12/2017	02/01/2018	0.09	2.90	1.18
Site 6 - Water Tanks (Dup)	14/12/2017	02/01/2018	0.14	2.86	0.15
Site 7 - Deep Gorge	14/12/2017	02/01/2018	0.35	2.94	0.03



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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	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
28-Oct-17	33	33	35
03-Nov-17	42	36	40
09-Nov-17	38	36	71

**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



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

Site 5 - Burrup Road		Date Deployed	29/09/2017
		Date Collected	31/10/2017
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	<0.7
Insoluble solids	g/m <sup>2</sup> /month	0.8	<0.8

Site 6 - Water Tanks		Date Deployed	29/09/2017
		Date Collected	31/10/2017
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	<0.7
Insoluble solids	g/m <sup>2</sup> /month	0.8	<0.8

Site 7 - Deep Gorge		Date Deployed	29/09/2017
		Date Collected	31/10/2017
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m <sup>2</sup> /month	0.7	<0.7
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.3