



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
April 2019

01/05/2019 650-200-REP-YPN-0018 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	No new results received to date				
Site 6 - Water Tanks					
Site 7 - Deep Gorge					



Yara Pilbara Nitrates Pty Ltd  
Air Quality Monitoring Report  
April 2019

01/05/2019 650-200-REP-YPN-0018 Rev 0

**Airborne Particulate Concentration**  
**Total Suspended Particulates (TSP)**

Period Start Date <sup>(1),(2)</sup>	Site 5 (Burrup Road) TSP	Site 6 (Water Tanks) TSP	Site 7 (Deep Gorge) TSP
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
26-Feb-19	38	39	41
04-Mar-19	16	20	19
10-Mar-19	43	42	39
16-Mar-19	35	33	28
22-Mar-19	27	35	33
28-Mar-19	31	30	43
03-Apr-19	26	27	27
09-Apr-19	18	20	26
15-Apr-19	12	10	12

**Notes:**

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



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

<b>Site 5 - Burrup Road</b>		<b>Date Deployed</b>	<b>31/01/2019</b>
		<b>Date Collected</b>	<b>28/02/2019</b>
<b>Parameter</b>	<b>Unit</b>	<b>Limit of Reporting</b>	
Soluble solids	g/m <sup>2</sup> /month	0.7	<0.7
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.5

<b>Site 6 - Water Tanks</b>		<b>Date Deployed</b>	<b>31/01/2019</b>
		<b>Date Collected</b>	<b>28/02/2019</b>
<b>Parameter</b>	<b>Unit</b>	<b>Limit of Reporting</b>	
Soluble solids	g/m <sup>2</sup> /month	0.7	0.9
Insoluble solids	g/m <sup>2</sup> /month	0.8	1.8

<b>Site 7 - Deep Gorge</b>		<b>Date Deployed</b>	<b>31/01/2019</b>
		<b>Date Collected</b>	<b>28/02/2019</b>
<b>Parameter</b>	<b>Unit</b>	<b>Limit of Reporting</b>	
Soluble solids	g/m <sup>2</sup> /month	0.7	1.2
Insoluble solids	g/m <sup>2</sup> /month	0.8	2