



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
November 2019

02/12/2019 650-200-REP-YPN-0025 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	15/08/2019	30/08/2019	0.93	4.80	0.01
Site 6- Water Tanks	15/08/2019	30/08/2019	0.40	3.66	0.05
Site 7- Deep Gorge	15/08/2019	30/08/2019	0.42	3.39	0.07
Site 5- Burrup Road	30/08/2019	13/09/2019	0.35	2.91	0.21
Site 6- Water Tanks	30/08/2019	13/09/2019	0.53	3.43	0.25
Site 7- Deep Gorge	30/08/2019	13/09/2019	0.06	2.71	0.18
Site 5- Burrup Road	13/09/2019	2/10/2019	0.37	3.87	0.21
Site 6- Water Tanks	13/09/2019	2/10/2019	0.57	2.33	0.09
Site 7- Deep Gorge	13/09/2019	2/10/2019	0.63	2.75	0.23
Site 5- Burrup Road	2/10/2019	17/10/2019	0.32	4.31	0.30
Site 6- Water Tanks	2/10/2019	17/10/2019	0.73	4.09	0.10
Site 7- Deep Gorge	2/10/2019	17/10/2019	2.29	3.19	0.20



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
12-Sep-19	18	22	-(3)
18-Sep-19	29	28	32
18-Oct-19	34	38	35
24-Oct-19	27	18	19
30-Oct-19	36	32	26
05-Nov-19	18	20	25

Notes:

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.
- (3) Low confidence of Deep Gorge 12th of Sept result. Did not sample at full capacity during sampling period therefore not representative of 24-hour time period.



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

Site 5 - Burrup Road		Date Deployed	30/08/2019
		Date Collected	2/10/2019
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	30/08/2019
		Date Collected	2/10/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.4
Insoluble solids	g/m ² /month	0.8	0.9

Site 7 - Deep Gorge		Date Deployed	30/08/2019
		Date Collected	2/10/2019
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1
Insoluble solids	g/m ² /month	0.8	<0.8