



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
March 2020

01/04/2020 650-200-REP-YPN-0029 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	13/12/2019	31/12/2019	0.51	6.43	0.51
Site 6 - Water Tanks	13/12/2019	31/12/2019	0.87	5.57	0.28
Site 7 - Deep Gorge	13/12/2019	31/12/2019	0.91	4.33	0.19
Site 5 - Burrup Road	31/12/2019	15/01/2020	0.82	2.79	0.20
Site 6 - Water Tanks	31/12/2019	15/01/2020	0.60	¹ _-	¹ _-
Site 7 - Deep Gorge	31/12/2019	15/01/2020	0.66	¹ _-	¹ _-
Site 5 - Burrup Road	15/01/2020	30/01/2020	0.37	2.76	0.15
Site 6 - Water Tanks	15/01/2020	30/01/2020	0.29	5.19	0.47
Site 7 - Deep Gorge	15/01/2020	30/01/2020	0.87	3.17	0.10
Site 5 - Burrup Road	30/01/2020	² 06/02/2020	0.23	3.87	0.47
Site 6 - Water Tanks	30/01/2020	² 06/02/2020	0.30	4.47	0.34
Site 7 - Deep Gorge	30/01/2020	² 06/02/2020	0.33	3.10	0.15

¹ primary and duplicate Radiello samples fallen to ground

² sample removed before minimum 14 days due to Tropical Cyclone Damien



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
No new results received to date			

Notes:

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



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

Site 5 - Burrup Road		No new results to date
Parameter	Unit	
Soluble solids	g/m ² /month	
Insoluble solids	g/m ² /month	

Site 6 - Water Tanks		No new results to date
Parameter	Unit	
Soluble solids	g/m ² /month	
Insoluble solids	g/m ² /month	

Site 7 - Deep Gorge		No new results to date
Parameter	Unit	
Soluble solids	g/m ² /month	
Insoluble solids	g/m ² /month	