



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
April 2020

01/05/2020 650-200-REP-YPN-0030 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	No new results received to date				
Site 6 - Water Tanks					
Site 7 - Deep Gorge					



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
02-Feb-20	59	57	59
15-Feb-20	3 ₋	3 ₋	35
20-Feb-20	3 ₋	3 ₋	23
26-Feb-20	3 ₋	3 ₋	30
04-Mar-20	23	20	16
10-Mar-20	35	32	35
16-Mar-20	4 ₋	4 ₋	4 ₋
22-Mar-20	4 ₋	4 ₋	4 ₋
28-Mar-20	27	26	30
03-Apr-20	23	22	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) Monitoring equipment damaged due to Tropical Cyclone Damien.
- (4) TSP filters failed to be removed after the 16th of March run date, invalid results.
Note: not sampled between the 3rd and 14th of Feb 2020 due to TC Damien.



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

Site 5 - Burrup Road		Date Deployed	31/12/2019	30/01/2020
		Date Collected	30/01/2020	27/02/2020
Parameter	Unit	Limit of Reporting		
Soluble solids	g/m ² /month	0.7	<3	<0.7
Insoluble solids	g/m ² /month	0.8	2.1	1.5

Site 6 - Water Tanks		Date Deployed	31/12/2019	30/01/2020
		Date Collected	30/01/2020	27/02/2020
Parameter	Unit	Limit of Reporting		
Soluble solids	g/m ² /month	0.7	<3	0.8
Insoluble solids	g/m ² /month	0.8	1.9	1.4

Site 7 - Deep Gorge		Date Deployed	31/12/2019	30/01/2020
		Date Collected	30/01/2020	27/02/2020
Parameter	Unit	Limit of Reporting		
Soluble solids	g/m ² /month	0.7	<3	<0.7
Insoluble solids	g/m ² /month	0.8	1.8	1