



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
July 2020

03/08/2020 650-200-REP-YPN-0033 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	14/04/2020	30/04/2020	0.48	2.95	0.04
Site 6 - Water Tanks	14/04/2020	30/04/2020	0.92	2.64	0.10
Site 7 - Deep Gorge	14/04/2020	30/04/2020	1.94	1.91	0.23
Site 5 - Burrup Road	30/04/2020	15/05/2020	1.33	2.39	0.04
Site 6 - Water Tanks	30/04/2020	15/05/2020	0.66	1.31	0.05
Site 7 - Deep Gorge	30/04/2020	15/05/2020	0.95	0.88	0.25
Site 5 - Burrup Road	15/05/2020	29/05/2020	3.73	2.15	0.04
Site 6 - Water Tanks	15/05/2020	29/05/2020	1.36	0.74	0.07
Site 7 - Deep Gorge	15/05/2020	29/05/2020	0.37	0.29	0.15
Site 5 - Burrup Road	29/05/2020	15/06/2020	2.26	4.24	0.08
Site 6 - Water Tanks	29/05/2020	15/06/2020	0.62	2.02	0.07
Site 7 - Deep Gorge	29/05/2020	15/06/2020	0.31	1.55	0.22



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
08-Jun-20	12	15	15
14-Jun-20	12	13	17
20-Jun-20	13	22	18
26-Jun-20	9	13	13
02-Jul-20	14	20	17
08-Jul-20	15	12	18



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

Site 5 - Burrup Road		Date Deployed	30/04/2020
		Date Collected	29/05/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	2.2
Insoluble solids	g/m ² /month	0.8	1.4

Site 6 - Water Tanks		Date Deployed	30/04/2020
		Date Collected	29/05/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	2.1
Insoluble solids	g/m ² /month	0.8	1.3

Site 7 - Deep Gorge		Date Deployed	30/04/2020
		Date Collected	29/05/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	2.4
Insoluble solids	g/m ² /month	0.8	1.6