



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
November 2021

10/12/2021 650-200-REP-YPN-0050 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	16/08/2021	31/08/2021	0.74	8.06	0.11
Site 6 - Water Tanks	16/08/2021	31/08/2021	0.54	3.07	0.28
Site 7 - Deep Gorge	16/08/2021	31/08/2021	0.43	3.90	0.06
Site 5 - Burrup Road	31/08/2021	15/09/2021	1.04	6.47	0.12
Site 6 - Water Tanks	31/08/2021	15/09/2021	0.86	4.72	0.36
Site 7 - Deep Gorge	31/08/2021	15/09/2021	0.35	3.37	0.04
Site 5 - Burrup Road	15/09/2021	30/09/2021	0.68	6.15	0.22
Site 6 - Water Tanks	15/09/2021	30/09/2021	0.58	4.08	0.06
Site 7 - Deep Gorge	15/09/2021	30/09/2021	0.23	3.94	0.14
Site 5 - Burrup Road	30/09/2021	14/10/2021	0.48	3.70	0.04
Site 6 - Water Tanks	30/09/2021	14/10/2021	1.22	4.08	0.14
Site 7 - Deep Gorge	30/09/2021	14/10/2021	0.30	2.84	0.07



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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
	µg/m ³	µg/m ³	µg/m ³
13-Oct-21	44	32	36
19-Oct-21	21	26	23
25-Oct-21	37	34	30
31-Oct-21	32	39	30
06-Nov-21	31	35	36
12-Nov-21	27	28	29

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		Date Deployed	31/08/2021
		Date Collected	30/09/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	1.0

Site 6 - Water Tanks		Date Deployed	31/08/2021
		Date Collected	30/09/2021
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 7 - Deep Gorge		Date Deployed	31/08/2021
		Date Collected	30/09/2021
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