



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
June 2021

05/07/2021 650-200-REP-YPN-0044 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	16/02/2021	2/03/2021	0.80	2.31	3.01
Site 6 - Water Tanks	16/02/2021	2/03/2021	0.91	1.85	0.29
Site 7 - Deep Gorge	16/02/2021	2/03/2021	2.72	1.73	0.12
Site 5 - Burrup Road	2/03/2021	18/03/2021	0.99	1.71	2.45
Site 6 - Water Tanks	2/03/2021	18/03/2021	1.18	2.03	0.02
Site 7 - Deep Gorge	2/03/2021	18/03/2021	2.44	1.38	0.04
Site 5 - Burrup Road	18/03/2021	31/03/2021	1.59	3.87	0.04
Site 6 - Water Tanks	18/03/2021	31/03/2021	1.58	2.53	0.07
Site 7 - Deep Gorge	18/03/2021	31/03/2021	2.97	1.84	0.01
Site 5 - Burrup Road	31/03/2021	15/04/2021	2.54	2.27	0.22
Site 6 - Water Tanks	31/03/2021	15/04/2021	1.51	2.14	0.32
Site 7 - Deep Gorge	31/03/2021	15/04/2021	1.12	1.70	0.57
Site 5 - Burrup Road	15/04/2021	30/04/2021	3.34	6.68	0.01
Site 6 - Water Tanks	15/04/2021	30/04/2021	2.50	3.27	0.04
Site 7 - Deep Gorge	15/04/2021	30/04/2021	1.01	2.36	0.01
Site 5 - Burrup Road	30/04/2021	17/05/2021	1.99	2.43	0.01
Site 6 - Water Tanks	30/04/2021	17/05/2021	1.01	1.47	0.05
Site 7 - Deep Gorge	30/04/2021	17/05/2021	1.09	0.93	0.10
Site 5 - Burrup Road	17/05/2021	31/05/2021	2.34	3.75	0.32
Site 6 - Water Tanks	17/05/2021	31/05/2021	1.56	0.60	0.02
Site 7 - Deep Gorge	17/05/2021	31/05/2021	0.47	0.61	0.78



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
June 2021

05/07/2021 650-200-REP-YPN-0044 Rev 0

Site 5 - Burrup Road	31/05/2021	16/06/2021	1.88	5.46	0.01
Site 6 - Water Tanks	31/05/2021	16/06/2021	1.35	2.74	0.01
Site 7 - Deep Gorge	31/05/2021	16/06/2021	0.17	2.27	0.01



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
June 2021

05/07/2021 650-200-REP-YPN-0044 Rev 0

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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
10-May-21	18	33	21
16-May-21	26	21	38
22-May-21	11	23	16
28-May-21	21	26	28
03-Jun-21	9	8	9
09-Jun-21	20	24	24

Notes:

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



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
June 2021

05/07/2021 650-200-REP-YPN-0044 Rev 0

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

Site 5 - Burrup Road		Date Deployed	31/03/2021
		Date Collected	30/04/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	<1.5
Insoluble solids	g/m ² /month	0.8	1.8

Site 6 - Water Tanks		Date Deployed	31/03/2021
		Date Collected	30/04/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	3.7
Insoluble solids	g/m ² /month	0.8	0.9

Site 7 - Deep Gorge		Date Deployed	31/03/2021
		Date Collected	30/04/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	2.5
Insoluble solids	g/m ² /month	0.8	1