



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
March 2021

01/04/2021 650-200-REP-YPN-0041 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	14/12/2020	31/12/2020	0.33	3.05	0.31
Site 6 - Water Tanks	14/12/2020	31/12/2020	0.38	2.25	0.08
Site 7 - Deep Gorge	14/12/2020	31/12/2020	4.85	2.37	0.15
Site 5 - Burrup Road	31/12/2020	14/01/2021	0.73	2.91	0.21
Site 6 - Water Tanks	31/12/2020	14/01/2021	0.40	2.36	0.13
Site 7 - Deep Gorge	31/12/2020	14/01/2021	8.42	1.34	0.24
Site 5 - Burrup Road	14/01/2021	29/01/2021	3.47	3.13	0.14
Site 6 - Water Tanks	14/01/2021	29/01/2021	0.66	2.74	0.05
Site 7 - Deep Gorge	14/01/2021	29/01/2021	3.00	1.51	0.11
Site 5 - Burrup Road	2/02/2021	16/02/2021	0.09	2.15	0.27
Site 6 - Water Tanks	1/02/2021	16/02/2021	0.53	0.86	0.01
Site 7 - Deep Gorge	2/02/2021	16/02/2021	2.14	2.23	0.30



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
March 2021

01/04/2021 650-200-REP-YPN-0041 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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
03-Feb-21	16	20	15
09-Feb-21	16	27	23
15-Feb-21	16	21	10
22-Feb-21	17	24	21

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
March 2021

01/04/2021 650-200-REP-YPN-0041 Rev 0

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

Site 5 - Burrup Road		Date Deployed	31/12/2020
		Date Collected	29/01/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.4
Insoluble solids	g/m ² /month	0.8	2.1

Site 6 - Water Tanks		Date Deployed	31/12/2020
		Date Collected	29/01/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1
Insoluble solids	g/m ² /month	0.8	1.9

Site 7 - Deep Gorge		Date Deployed	31/12/2020
		Date Collected	29/01/2021
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	1.6
Insoluble solids	g/m ² /month	0.8	2.4