



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
September 2020

06/10/2020 650-200-REP-YPN-0035 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	15/06/2020	30/06/2020	2.12	5.57	0.01
Site 6 - Water Tanks	15/06/2020	30/06/2020	1.07	3.59	0.04
Site 7 - Deep Gorge	15/06/2020	30/06/2020	0.74	2.81 ¹	0.01
Site 5 - Burrup Road	30/06/2020	15/07/2020	3.30	4.62	0.56
Site 6 - Water Tanks	30/06/2020	15/07/2020	0.47	2.03	0.03
Site 7 - Deep Gorge	30/06/2020	15/07/2020	0.20	1.92	0.01
Site 5 - Burrup Road	15/07/2020	30/07/2020	1.80	5.86	0.01
Site 6 - Water Tanks	15/07/2020	30/07/2020	0.81	1.71	0.01
Site 7 - Deep Gorge	15/07/2020	30/07/2020	0.70	1.15	0.01
Site 5 - Burrup Road	30/07/2020	14/08/2020	1.02	3.96	0.01
Site 6 - Water Tanks	30/07/2020	14/08/2020	2.44	2.81	0.20
Site 7 - Deep Gorge	30/07/2020	14/08/2020	0.71	2.76	0.01

¹ Radiello results corrected, Ambient Air Quality Monitoring Report 2019-20 incorrectly reported Water Tanks 15/06/2020 to 30/06/2020 sample as 0.31µg/m³ corrected to 2.81µg/m³.



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
26-Jul-20	13	14	17
01-Aug-20	12	13	10
07-Aug-20	10	14	18
13-Aug-20	8	7	<2
19-Aug-20	14	15	14
25-Aug-20	31	22	24
31-Aug-20	27	18	12
06-Sep-20	26	28	28



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

Site 5 - Burrup Road		Date Deployed	30/06/2020
		Date Collected	30/07/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	3	<3
Insoluble solids	g/m ² /month	0.8	<0.8

Site 6 - Water Tanks		Date Deployed	30/06/2020
		Date Collected	30/07/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	3	<3
Insoluble solids	g/m ² /month	0.8	<0.8

Site 7 - Deep Gorge		Date Deployed	30/06/2020
		Date Collected	30/07/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	3	<3
Insoluble solids	g/m ² /month	0.8	<0.8