



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
December 2020

11/01/2021 650-200-REP-YPN-0038 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	No new results received to date				
Site 6 - Water Tanks					
Site 7 - Deep Gorge					



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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
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
30-Oct-20	42	44	42
05-Nov-20	37	38	33
11-Nov-20	36	31	37
17-Nov-20	49	39	35
23-Nov-20	30	25	24
29-Nov-20	43	50	51

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	30/09/2020
		Date Collected	30/10/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	0.7
Insoluble solids	g/m ² /month	0.8	1

Site 6 - Water Tanks		Date Deployed	30/09/2020
		Date Collected	30/10/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	0.9

Site 7 - Deep Gorge		Date Deployed	30/09/2020
		Date Collected	30/10/2020
Parameter	Unit	Limit of Reporting	
Soluble solids	g/m ² /month	0.7	<0.7
Insoluble solids	g/m ² /month	0.8	0.9