



Yara Pilbara Nitrates Pty Ltd
Air Quality Monitoring Report
May 2018

31-05-2018 650-200-REP-YPN-0006 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 | 29/03/2018 | 13/04/2018 | 0.35 | 2.49 | 1.68 |
| Site 6 - Water Tanks | 29/03/2018 | 13/04/2018 | 0.59 | 1.47 | 0.12 |
| Site 7 - Deep Gorge | 29/03/2018 | 13/04/2018 | 0.35 | 2.23 | 0.14 |
| Site 5 - Burrup Road | 13/04/2018 | 27/04/2018 | 0.53 | 3.06 | 0.40 |
| Site 6 - Water Tanks | 13/04/2018 | 27/04/2018 | 0.78 | 2.34 | 0.21 |
| Site 7 - Deep Gorge | 13/04/2018 | 27/04/2018 | 0.45 | 1.72 | 0.12 |
| Site 5 - Burrup Road | 27/04/2018 | 15/05/2018 | 1.92 | 3.05 | 0.35 |
| Site 6 - Water Tanks | 27/04/2018 | 15/05/2018 | 2.71 | 1.62 | 0.16 |
| Site 7 - Deep Gorge | 27/04/2018 | 15/05/2018 | 0.40 | 1.53 | 0.14 |



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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 |
|--|---|---|--|
| Units | µg/m³ | µg/m³ | µg/m³ |
| 27-Mar-18 | 47 | NA ⁽³⁾ | NA ⁽³⁾ |
| 02-Apr-18 | 16 | 17 | 15 |
| 08-Apr-18 | 76 | 76 | 79 |
| 14-Apr-18 | 20 | 17 | 16 |
| 20-Apr-18 | 14 | 17 | 21 |

Notes:

- (1) The date is the date that sampling commenced.
- (2) The Low Volume Air Sampler unit runs for a nominal 24 hours.
- (3) NA = filter not analysed.



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

| | | | |
|-----------------------------|------------------------------|---------------------------|-------------------|
| Site 5 - Burrup Road | | Date Deployed | 31/01/2018 |
| | | Date Collected | 28/02/2018 |
| Parameter | Unit | Limit of Reporting | |
| Soluble solids | g/m²/month | 0.7 | 1.1 |
| Insoluble solids | g/m²/month | 0.8 | <0.8 |

| | | | |
|-----------------------------|------------------------------|---------------------------|-------------------|
| Site 6 - Water Tanks | | Date Deployed | 31/01/2018 |
| | | Date Collected | 28/02/2018 |
| Parameter | Unit | Limit of Reporting | |
| Soluble solids | g/m²/month | 0.7 | 0.8 |
| Insoluble solids | g/m²/month | 0.8 | 0.9 |

| | | | |
|----------------------------|------------------------------|---------------------------|-------------------|
| Site 7 - Deep Gorge | | Date Deployed | 31/01/2018 |
| | | Date Collected | 28/02/2018 |
| Parameter | Unit | Limit of Reporting | |
| Soluble solids | g/m²/month | 0.7 | 1.7 |
| Insoluble solids | g/m²/month | 0.8 | 1.0 |