

TOMINGLEY GOLD PROJECT

Monthly Environmental Monitoring Report

April 2018

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Document History

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Table of Contents

- 1. INTRODUCTION AND SCOPE 4**
- 2. WEATHER FOR MONTH 2018 4**
 - A. Weather Station Data4
- 3. MONITORING LOCATIONS 6**
- 4. AIR QUALITY MONITORING 7**
 - A. PM10 Monitoring7
 - B. Depositional Dust9
 - C. High Volume Air Sampler - Total Suspended Particulates9
- 5. NOISE MONITORING10**
 - A. Real-Time Noise Monitoring..... 10
- 6. SURFACE WATER MONITORING.....10**
 - A. Gundong Creek10
 - B. Sedimentation Ponds.....10
- 7. GROUNDWATER MONITORING10**
- 8. BLAST MONITORING11**
- 9. RESIDUE STORAGE FACILITY12**
- 10. BIODIVERSITY MONITORING12**

1. Introduction and Scope

This Monthly Environmental Monitoring Report has been prepared to collate environmental monitoring data undertaken for the Tomingley Gold Project during the month of April 2018.

This report also compares data collected to targets and provides commentary on environmental issues during the month.

2. Weather for April 2018

A. Weather Station Data

TGO WEATHER DATA IS PRESENTED BELOW.

Figure 1. April 2018 wind rose

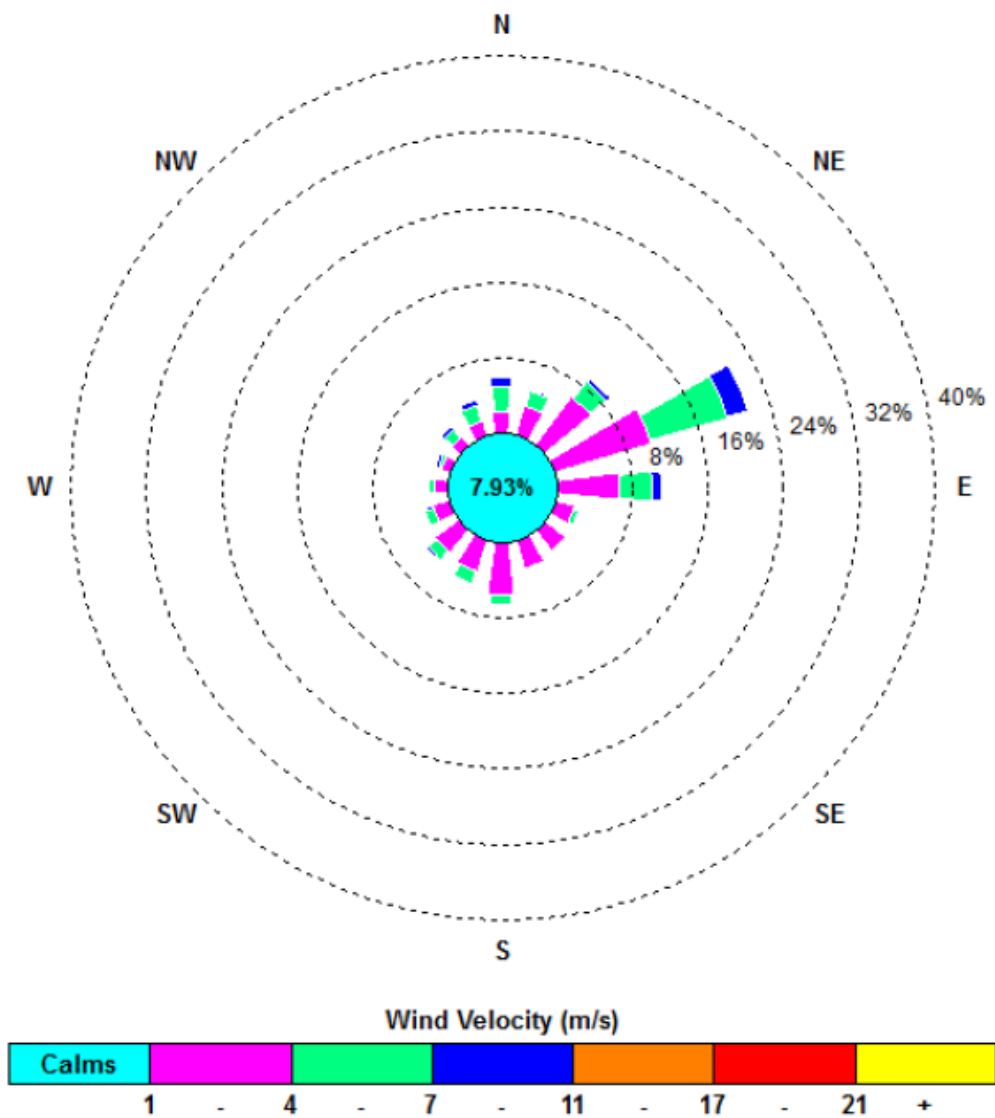


Figure 2. Rainfall April 2018

| April 2018 | Rainfall (mm) |
|-----------------------|----------------------|
| April 13 | 1.2 |
| April 14 | 7.6 |
| April 20 | 0.2 |
| Total Rainfall | 11.0 |

3. Monitoring Locations

FIGURE 3 indicates the location of where monitoring is undertaken for the project. Any additional monitoring undertaken will be discussed within the body of this report.

Figure 3. TGO water and vegetation monitoring points

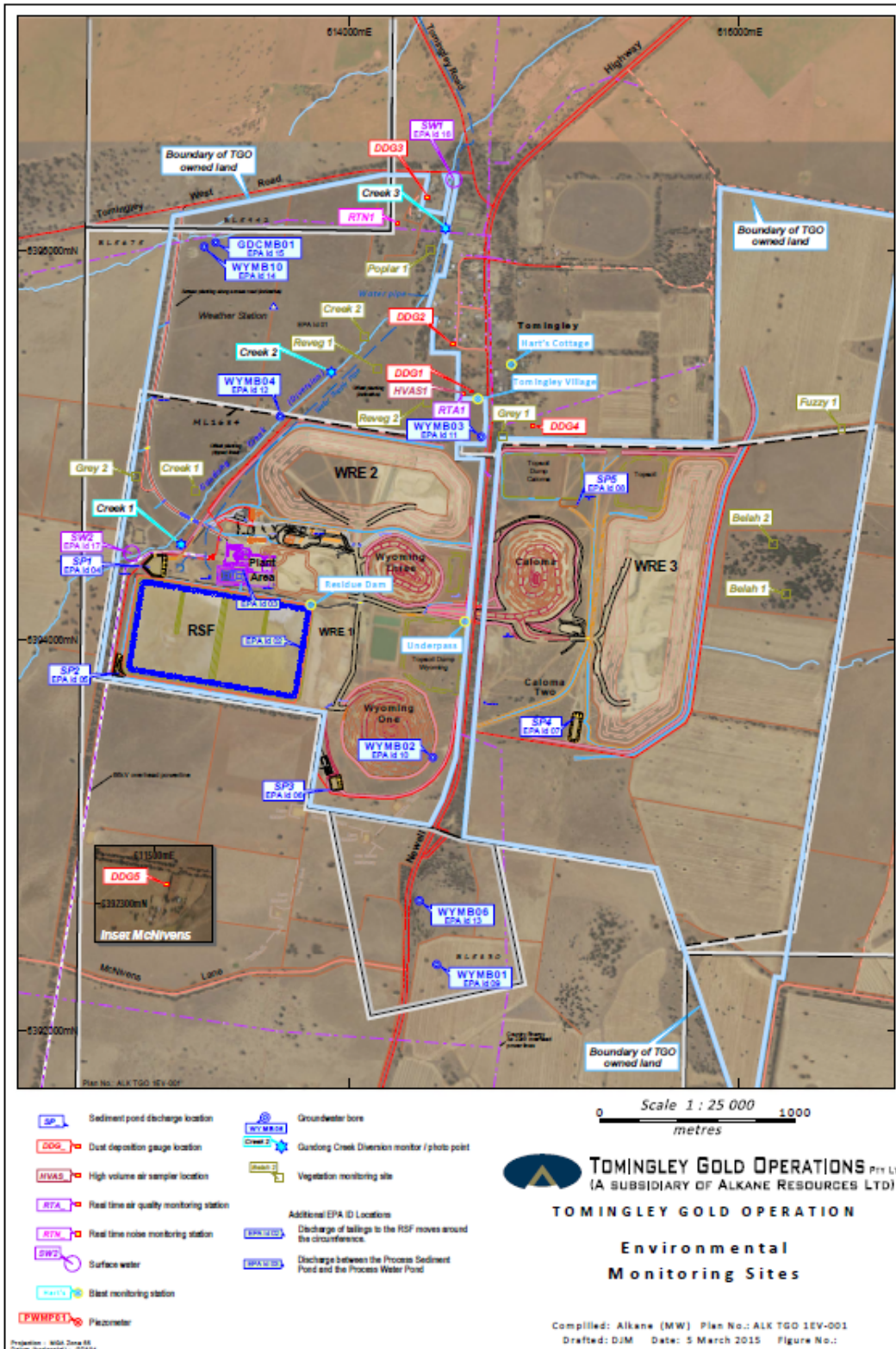
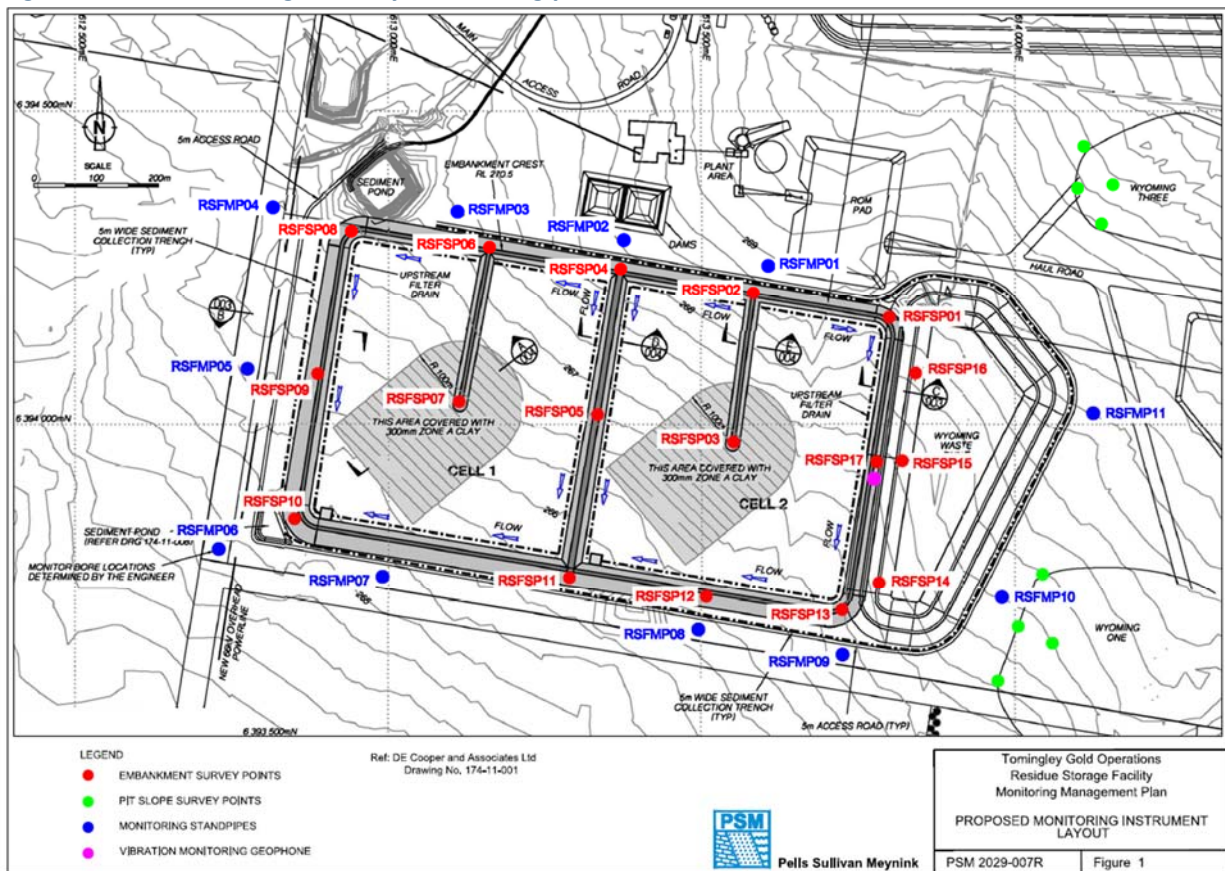


Figure 4 indicates the location of environmental and survey monitoring points on and around the Residue Storage Facility.

Figure 4. Residue Storage Facility monitoring points



4. Air Quality Monitoring

A. PM10 Monitoring

PM10 is measured via a Tapered Element Oscillating Microbalance (TEOM) located at the southern edge of the Tomingley Village. This machine transmits real-time data via the internet to a computer located on site.

The Performance Criteria for PM10 has been set at an Annual Average of 30ug/m³ and a 24-Hour Average of 50ug/m³.

The annual average at the end of September was 21.7ug/m³, well below the license limit.

A number of high readings throughout the month were as a result of strong winds combined with regional smoke and dust from the ongoing drought. None of the high levels recorded during April were as a result of mining activity and TGO has kept all government agencies informed of the ongoing high dust levels in the region.

Figure 5. TEOM Data April 2018

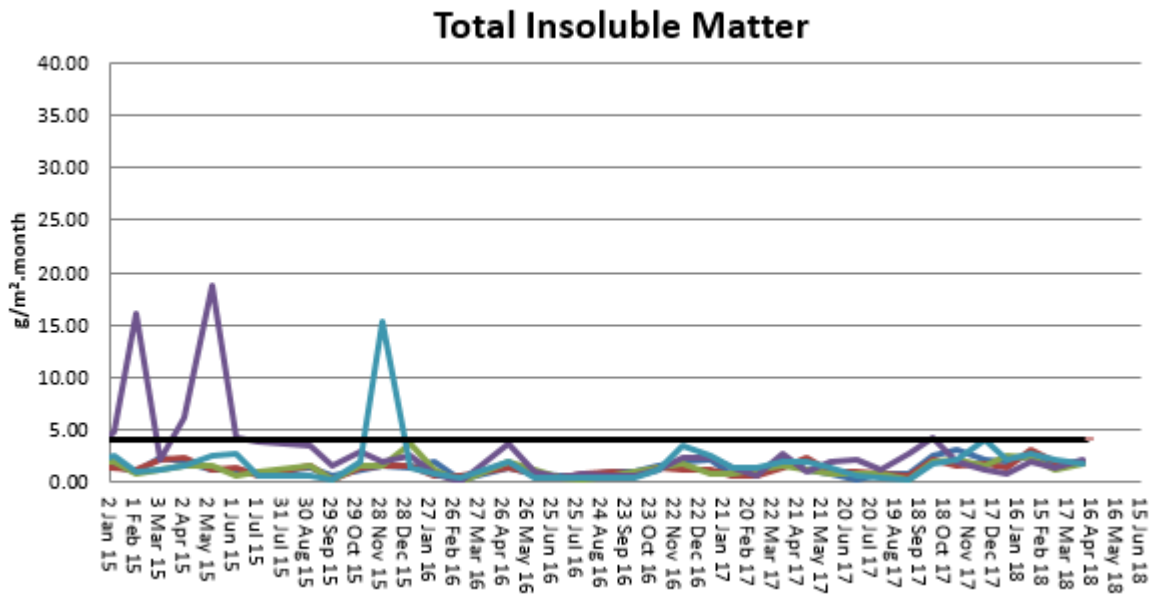
| Date | 24 Hr Averages | Running Average | Comment |
|----------------|------------------------------------|-----------------|--------------------------|
| | (µg/m ³) | | |
| 1/04/2018 | 26.1 | 20.4 | |
| 2/04/2018 | 25.3 | 20.4 | |
| 3/04/2018 | 39.9 | 20.5 | |
| 4/04/2018 | 22.9 | 20.5 | |
| 5/04/2018 | 22.3 | 20.5 | |
| 6/04/2018 | 34.2 | 20.6 | |
| 7/04/2018 | 30.5 | 20.7 | |
| 8/04/2018 | 34.7 | 20.7 | |
| 9/04/2018 | 40.9 | 20.7 | |
| 10/04/2018 | 53.0 | 20.7 | |
| 11/04/2018 | 45.7 | 20.8 | |
| 12/04/2018 | 65.3 | 21.0 | |
| 13/04/2018 | 50.8 | 21.1 | |
| 14/04/2018 | 44.6 | 21.1 | |
| 15/04/2018 | 57.0 | 21.2 | |
| 16/04/2018 | 19.0 | 21.2 | |
| 17/04/2018 | 23.8 | 21.2 | |
| 18/04/2018 | 24.5 | 21.2 | |
| 19/04/2018 | 27.2 | 21.2 | |
| 20/04/2018 | 10.2 | 21.2 | |
| 21/04/2018 | 20.6 | 21.2 | |
| 22/04/2018 | 25.8 | 21.2 | |
| 23/04/2018 | 18.5 | 21.3 | |
| 24/04/2018 | 30.7 | 21.3 | |
| 25/04/2018 | 46.5 | 21.4 | |
| 26/04/2018 | 65.2 | 21.5 | 1 hour average data used |
| 27/04/2018 | 52.2 | 21.6 | |
| 28/04/2018 | 13.8 | 21.6 | |
| 29/04/2018 | 15.7 | 21.6 | |
| 30/04/2018 | 22.3 | 21.7 | |
| Average | 33.6 | | |
| | 24 Hour Criteria Exceedance | | |

Note: For comparison purposes, highlighted results indicate levels above the EPA and NEPM 24-hour maximum criteria for PM₁₀.

B. Depositional Dust

Depositional Dust monitoring undertaken during this month returned the results indicated in the table below. The performance criteria for deposited dust is averaged over 12 months with a maximum total average of 4g/m²/month.

Figure 6. Dust Deposition Results 2015 - 2018

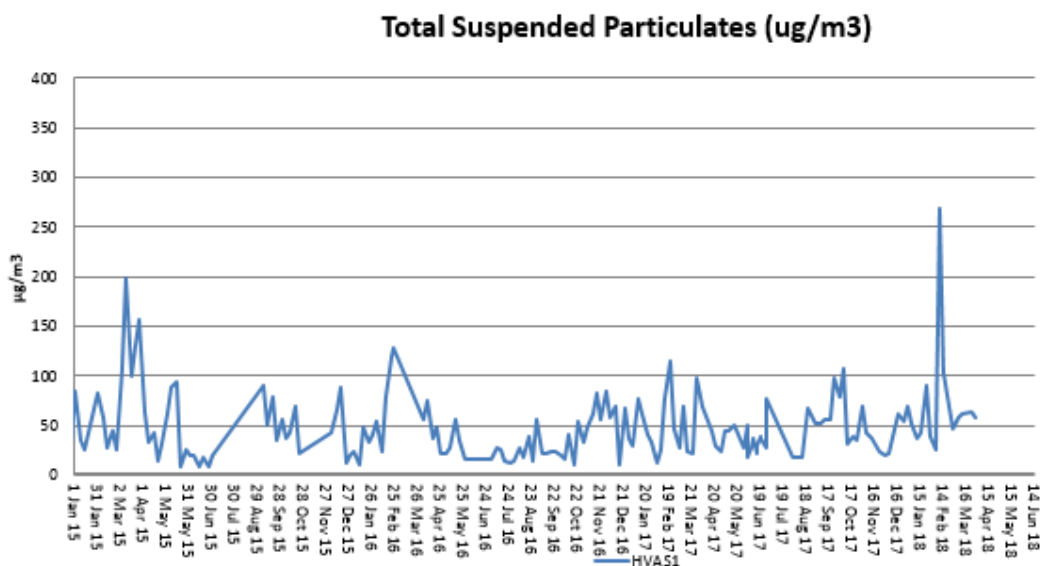


C. High Volume Air Sampler - Total Suspended Particulates

High Volume Air Sampling (HVAS) for Total Suspended Particulates (TSP) was undertaken this month. Figure 7 below provides the results.

The performance criteria for TSP is averaged over 12 months

Figure 7. Hi-Volume Air Sampler Data 2015 - 2018



5. Noise Monitoring

A. Real-Time Noise Monitoring

Real-time noise monitoring data showed no exceedances during the month of March. Full report provided separately on webpage.

6. Surface Water Monitoring

A. Gundong Creek

Gundong Creek did not flow during March and as such no samples were taken.

B. Sedimentation Ponds

No discharge was experienced from any of the sediment ponds during the month.

7. Groundwater Monitoring

Groundwater was undertaken during March in line with license requirements.

Results from this round of monitoring fell within expected limits.

A further round of monitoring is scheduled in for June.

8. Blast Monitoring

Blasts are carried out in all open cut pits and vibration and decibels are monitored from several locations. Below are the vibration results recorded from the monitors at Hart's Cottage and Tomingley Village.

Figure 8. Blast Monitoring

| EventKey | Date/Time | Max R (mm/s) | Location |
|----------|------------------|--------------|-------------------|
| 86694 | 3/04/2018 13:05 | 0.13 | Harts Cottage |
| 86694 | 3/04/2018 13:05 | 0.12 | Tomingley Village |
| 86760 | 5/04/2018 12:53 | 0.05 | Harts Cottage |
| 86760 | 5/04/2018 12:53 | 0.05 | Tomingley Village |
| 86802 | 7/04/2018 13:04 | 0.09 | Harts Cottage |
| 86802 | 7/04/2018 13:04 | 0.11 | Tomingley Village |
| 86842 | 9/04/2018 14:24 | 0.13 | Harts Cottage |
| 86842 | 9/04/2018 14:24 | 0.12 | Tomingley Village |
| 86878 | 11/04/2018 13:36 | 0.09 | Harts Cottage |
| 86878 | 11/04/2018 13:36 | 0.14 | Tomingley Village |
| 86915 | 12/04/2018 16:08 | 0.04 | Harts Cottage |
| 86915 | 12/04/2018 16:08 | 0.04 | Tomingley Village |
| 86985 | 14/04/2018 14:10 | 0.11 | Harts Cottage |
| 86985 | 14/04/2018 14:10 | 0.11 | Tomingley Village |
| 87052 | 17/04/2018 12:01 | 0.08 | Harts Cottage |
| 87052 | 17/04/2018 12:01 | 0.08 | Tomingley Village |
| 87129 | 19/04/2018 12:53 | 0.03 | Harts Cottage |
| 87129 | 19/04/2018 12:53 | 0.04 | Tomingley Village |
| 87145 | 20/04/2018 13:02 | 0.04 | Harts Cottage |
| 87145 | 20/04/2018 13:02 | 0.04 | Tomingley Village |
| 87168 | 21/04/2018 14:02 | 0.11 | Harts Cottage |
| 87168 | 21/04/2018 14:02 | 0.09 | Tomingley Village |
| 87195 | 23/04/2018 13:11 | 0.04 | Harts Cottage |
| 87195 | 23/04/2018 13:11 | 0.05 | Tomingley Village |
| 87235 | 24/04/2018 14:58 | 0.09 | Harts Cottage |
| 87235 | 24/04/2018 14:58 | 0.11 | Tomingley Village |
| 87260 | 26/04/2018 13:04 | 0.08 | Harts Cottage |
| 87260 | 26/04/2018 13:04 | 0.08 | Tomingley Village |
| 87300 | 28/04/2018 15:48 | 0.11 | Harts Cottage |
| 87300 | 28/04/2018 15:48 | 0.12 | Tomingley Village |
| 87334 | 30/04/2018 13:11 | 0.05 | Harts Cottage |
| 87334 | 30/04/2018 13:11 | 0.05 | Tomingley Village |

9. Residue Storage Facility

Residue from the processing plant is discharged into the Residue Storage Facility or RSF. The Environmental Protection Licences dictates that the Weak Acid Dissociable (WAD) Cyanide found in this residue must be less than 20 milligrams per litre for 90% of the time and less than 30 milligrams per litre for 100% of the time.

WAD cyanide discharge levels are shown below with the maximum reading well below the 100th percentile limit of 30ppm.

- Monthly average: 5.73 ppm
- Daily maximum: 17.06 ppm on 10th April
- Daily minimum: 1.31 ppm on 23rd April
- Number of exceedances: zero

10. Biodiversity Monitoring

Fauna deaths:

- No fauna deaths were recorded during April.

Vertebrate pests

- A program of trapping feral cats and foxes has continued with no feral cats being captured during April.