

Challenger Mines Pty Ltd

**Environment Protection Licence 10265
Monthly Monitoring Data Summary**

October 2017

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1. INTRODUCTION

Environmental Protection Licence (**EPL**) holders are required under the *Protection of the Environment Operations Act 1997* to make publicly available their monitoring results for those parameters specified in the EPL. This document has been prepared to satisfy this requirement.

Challenger Mines operations are conducted in accordance with EPL 10265. The licence details are as follows:

License Holder: Challenger Mines Pty Limited

Licence Number: 10265

Premises: Challenger Mines

33 Ryans Road

Adelong 2729

Access to Licence: <http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=10265&id=10265&option=licence&searchrange=licence&range=POEO&licence&prp=no&status=Issued>

Monitoring Locations: See main text and **Appendix A**

This document provides a summary of environmental monitoring data sampled as prescribed by EPL 10265 for March 2017 (**Reporting Period**). Monitoring data provided is as follows:

- Air quality
- Surface Water Quality
- Ground Water Quality

Monitoring Data Collected: October

2. AIR QUALITY

Under EPL 10265 CMPL is required to undertake dust monitoring at EPA Monitoring Points 11,12,13,14, and 15 (**Appendix A**)

2.1 Dust

| | |
|--|--|
| Pollutant: | Total Solid Particles |
| Unit of measure: | Grams per square metre per month |
| Monitoring location: | See Table 1 and Appendix A . |
| Monitoring frequency required by licence: | Monthly |

Table 1. Dust Monitoring Summary

| | | Description | EPL11 | EPL12 | EPL13 | EPL14 | EPL15 |
|--------------------------------|--|---------------------------|---------------|---------------|---------------|---------------|---------------|
| | | Sample Date | 16/10/2017 | 16/10/2017 | 16/10/2017 | 16/10/2017 | 16/10/2017 |
| Method Name | Analyte Name | Units | Result | Result | Result | Result | Result |
| Dust in Air (Deposited Matter) | Sampling Period in Days | days | 30 | 30 | 30 | 30 | 30 |
| Dust in Air (Deposited Matter) | Total Insoluble Solids | mg | 35 | 33 | 10 | 20 | 32 |
| Dust in Air (Deposited Matter) | Total Insoluble Solids Per Sampling Period | g/m ² /30 days | 2.0 | 1.8 | 0.6 | 1.2 | 1.8 |

3. SURFACE WATER

Under EPL 10265 CMPL is required to undertake surface water monitoring at EPA Monitoring Points 3,4,5, and 6 (**Appendix A**).

The monitoring frequency required by the CMPL licence is quarterly or weekly at EPL3 if discharging. There was no sampling required this month.

4. Ground Water

Under EPL 10265 CMPL is required to undertake ground water monitoring at EPA Monitoring Points 7,8,9 and 10 (**Appendix A**).

The monitoring frequency required by the CMPL licence is quarterly, no sampling was required this month.

Appendix A

EPL monitoring Locations for Dust, Groundwater and Surface Waters

EPL SAMPLING LOCATIONS FOR WATER AND DUST MONITORING

