

Challenger Mines Pty Ltd

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

May 2017

Contents

1. INTRODUCTION	1
2. AIR QUALITY	2
3. SURFACE WATER.....	4
4. GROUND WATER.....	9

Tables

Table 1. Dust Monitoring Summary	2
Table 2 Surface Water Monitoring Summary.....	8
Table 3: Ground Water Monitoring Requirements	10

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: 03/04/2017

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

			Monitoring Location	EPL #11	EPL #12	EPL #13t	EPL #14 t	EPL #15
			Sample Date	3/5/2017				3/5/2017
			Matrix	Dust	Dust	Dust	Dust	Dust
Method Name	Analyte Name	Units	Reporting Limit	Result	Result	Result	Result	Result
Dust in Air (Deposited Matter)	Sampling Period in Days	days	0	30	N/R	N/R	N/R	30
Dust in Air (Deposited Matter)	Total Solids	mg	5	<1	N/R	N/R	N/R	22
Dust in Air (Deposited Matter)	Total Solids Per Sampling Period	g/m ² /30 days	0.3	<0.1	N/R	N/R	N/R	1.3

N/R = not recorded

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. No surface water sampling was 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

