

Monthly Website Report



SITE:	Mannering Colliery
Department:	Technical Services
REPORT TITLE:	Monthly Environmental Report – February 2019
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Distribution:	Mannering Colliery Website

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Report

Title:

Mannering Colliery Monthly Environmental Report

Summary

Monitoring was undertaken in February 2019 with all results in compliance with the required limits.

Introduction

LakeCoal Pty Ltd (LakeCoal) operates the Mannering Colliery, an underground coal mine at the southern end of Lake Macquarie.

This monthly report is to satisfy the requirements of;

- section 66(6) of the Protection of the Environment Operations Act, 1997, to make monitoring data related to an Environment Protection Licence publically available and
- condition 7 & 10, schedule 5, of Development Approval 06_0311 (as modified) to provide details of monitoring results and environmental performance.

This report provides environmental monitoring data from Mannering Colliery for the period 1 **February** 2019 to 28 **February** 2019.

Environmental monitoring data is collected as required under Environment Protection Licence 191 (EPL 191).

Details of the Mannering Colliery and EPL 191 are provided below.

Mannering Colliery Information	
Premises name	Mannering Colliery
Address	Rutleys Road, Doyalson, NSW, 2262
Licensee	LakeCoal Pty Ltd
EPL #	191
EPL location	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=50781&SYSUID=1&LICID=191

The overall purpose of this report is to keep stakeholders informed of the environmental monitoring results at Mannering Colliery and maintain a transparent and accountable reporting system.

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Mannering Colliery Monthly Environmental Report

Scope

This report presents the results from the various environmental monitoring undertaken for Mannering Colliery.

Results are presented for each specific month and annual data, averages and trends in data are shown to where relevant.

Where applicable, the results of the monitoring programs are compared with the relevant criteria (from the EPL or Project Approval) to determine compliance.

Monitoring results presented include;

- Water – quality;
- Water – volume;
- Air quality;and
- Weather data

Definitions

°C – degrees celsius

g/m²/month – grams per square metre per month

kL – kilolitres

mg/L – Milligrams per litre

mm – millimetre

µS/cm – microsiemens per centimetre

References

Project Approval 06_0311 (as modified)

Environment Protection Licence 191 (Licence version date: 12 May 2017)

Steel River Testing - Dust Deposition Report – February 2019

Steel River Testing – Water Analysis Report – February 2019

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Monitoring Results

Water – Quality

Water Quality Results (reverted to weekly as per EPL PRP requirements)

February 2019			
EPL	191		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Period	01-Feb-19	to	28-Feb-19
Location	LDP001 (EPA ID # 1)		
Date sampled	Weekly		
Date reported	Refer report date		
Monitoring requirement	Weekly		
pH limit	6.5 - 8.5		
TSS limit (mg/L)	50		
Oil and grease limit (mg/L)	10		
Exceedance (Yes/No)	No		
Water Quality Results			
Date	pH	TSS (mg/L)	Oil and grease (mg/L)
Friday, 1 February 2019			
Saturday, 2 February 2019			
Sunday, 3 February 2019			
Monday, 4 February 2019			
Tuesday, 5 February 2019	8.4	2	<5
Wednesday, 6 February 2019			
Thursday, 7 February 2019			
Friday, 8 February 2019			
Saturday, 9 February 2019			
Sunday, 10 February 2019			
Monday, 11 February 2019			
Tuesday, 12 February 2019			
Wednesday, 13 February 2019	7.7	1	<5
Thursday, 14 February 2019			
Friday, 15 February 2019			
Saturday, 16 February 2019			
Sunday, 17 February 2019			
Monday, 18 February 2019			
Tuesday, 19 February 2019	8.3	4	<5
Wednesday, 20 February 2019			
Thursday, 21 February 2019			
Friday, 22 February 2019			
Saturday, 23 February 2019			
Sunday, 24 February 2019			
Monday, 25 February 2019			
Tuesday, 26 February 2019			
Wednesday, 27 February 2019	7.8	3	<5
Thursday, 28 February 2019			

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Water – Volume

February 2019		
EPL	191	
Licensee	LakeCoal Pty Ltd	
Premises	Mannering Colliery	
Date Sampled	Daily	
Date Reported	Refer report date	
Discharge volume limit	4000 kilolitres per day	
Sampling Point	LDP001 (EPA ID # 1)	
Day	Unit	Volume
01/02/2019	kL	0
02/02/2019	kL	0
03/02/2019	kL	770
04/02/2019	kL	1221
05/02/2019		
	kL	1482
06/02/2019	kL	1266
07/02/2019	kL	983
08/02/2019	kL	953
09/02/2019	kL	0
10/02/2019	kL	0
11/02/2019	kL	1018
12/02/2019	kL	1510
13/02/2019	kL	1543
14/02/2019	kL	728
15/02/2019	kL	0
16/02/2019	kL	0
17/02/2019	kL	1424
18/02/2019	kL	1557
19/02/2019	kL	1526
20/02/2019	kL	1087
21/02/2019	kL	652
22/02/2019	kL	799
23/02/2019	kL	0
24/02/2019	kL	197
25/02/2019	kL	1559
26/02/2019	kL	1526
27/02/2019	kL	753
28/02/2019	kL	248
Average	kL	814
Minimum	kL	0
Maximum	kL	1559

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Air Quality

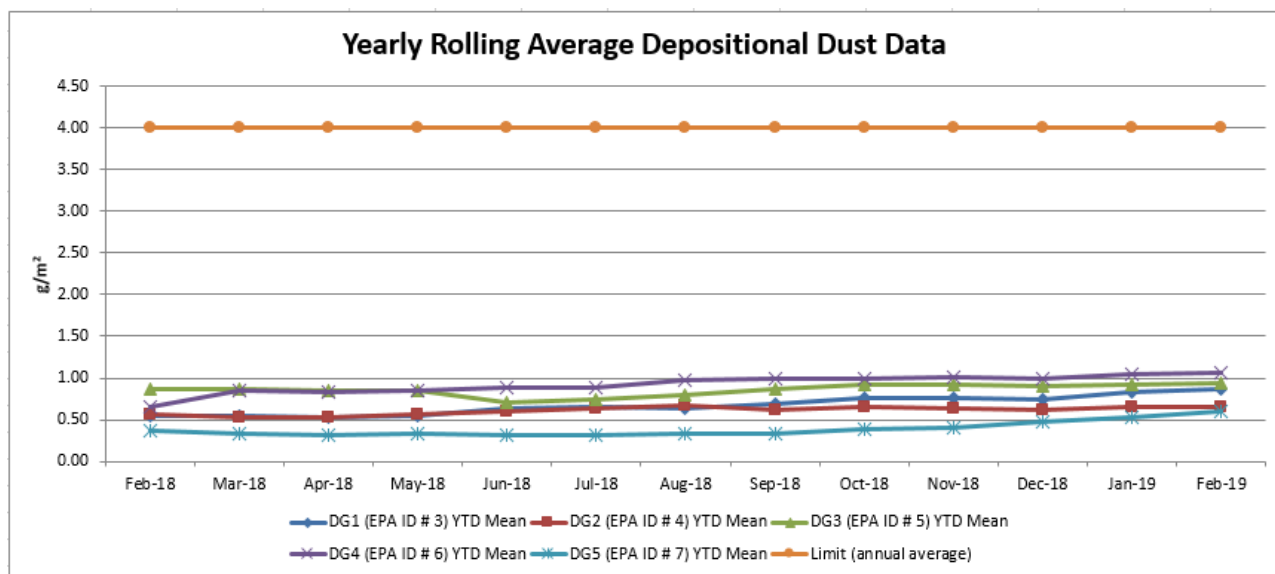
Monthly depositional dust results

Monthly Depositional Dust Data			
February 2019			
EPL	191		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Date Sampled	09-Jan-19	to	08-Feb-19
Date Obtained	14-Feb-19		
Date Reported	Refer report date		
Sampling Point	As per site below		

Site	Insoluble Matter (g/m ² /month)
DG1 (EPA ID # 3)	0.8
DG2 (EPA ID # 4)	0.7
DG3 (EPA ID # 5)	0.9
DG4 (EPA ID # 6)	1.1
DG5 (EPA ID # 7)	0.8

Notes:	
- For site locations refer to Air Quality Management Plan	

Rolling annual average depositional dust results



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Weather

A summary of weather data recorded by an on-site meteorological monitoring station at the Colliery is presented below for the year to date.

Monthly Weather Data			
2019			
EPL	191		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Location	W1 (on-site weather station)		
Date published:	Refer report date		
Date sampled:	Daily		
Date obtained:	03/03/2019		
Month	Total Rainfall / Month (mm)	Minimum Temperature (c°)	Maximum Temperature (c°)
Jan-19	60.6	18.6	39.6
Feb-19	88.6	22.7	37.4
Mar-19			
Apr-19			
May-19			
Jun-19			
Jul-19			
Aug-19			
Sep-19			
Oct-19			
Nov-19			
Dec-19			
	149.2	18.6	39.6