

Monthly Website Report



SITE:	Mannering Colliery
Department:	Technical Services
REPORT TITLE:	Monthly Environmental Report – May 2018
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Report Date:	18/06/2018
Distribution:	Mannering Colliery Website

Report

Title: **Mannering Colliery Monthly Environmental Report**

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Title:

Manning Colliery Monthly Environmental Report

Summary

Monitoring was undertaken in May 2018 with all results in compliance with the required limits.

Introduction

LakeCoal Pty Ltd (LakeCoal) operates the Manning 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 Manning Colliery for the period 1 May 2018 to 31 May 2018.

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

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

Manning Colliery Information	
Premises name	Manning 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 Manning Colliery and maintain a transparent and accountable reporting system.

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Scope

This report presents the results from the various environmental monitoring undertaken for Manning 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 – May 2018

Steel River Testing – Water Analysis Report – May 2018

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Monitoring Results

Water – Quality

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

May 2018			
EPL	191		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Period	01-May-18	to	31-May-18
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)
01/05/2018			
02/05/2018			
03/05/2018			
04/05/2018			
05/05/2018	7.8	2	<5
06/05/2018			
07/05/2018			
08/05/2018			
09/05/2018	7.8	3	<5
10/05/2018			
11/05/2018			
12/05/2018			
13/05/2018			
14/05/2018			
15/05/2018	7.8	2	<5
16/05/2018			
17/05/2018			
18/05/2018			
19/05/2018			
20/05/2018			
21/05/2018			
22/05/2018			
23/05/2018			
24/05/2018	7.7	<1	<5
25/05/2018			
26/05/2018			
27/05/2018			
28/05/2018			
29/05/2018			
30/05/2018	8.0	3	<5
31/05/2018			

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Water – Volume

May 2018		
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
01/05/2018	kL	1054
02/05/2018	kL	1319
03/05/2018	kL	1846
04/05/2018	kL	912
05/05/2018	kL	0
06/05/2018	kL	83
07/05/2018	kL	1604
08/05/2018	kL	1457
09/05/2018	kL	1250
10/05/2018	kL	1012
11/05/2018	kL	406
12/05/2018	kL	0
13/05/2018	kL	345
14/05/2018	kL	2223
15/05/2018	kL	691
16/05/2018	kL	499
17/05/2018	kL	0
18/05/2018	kL	1334
19/05/2018	kL	1094
20/05/2018	kL	0
21/05/2018	kL	1319
22/05/2018	kL	1106
23/05/2018	kL	1576
24/05/2018	kL	1250
25/05/2018	kL	0
26/05/2018	kL	0
27/05/2018	kL	504
28/05/2018	kL	1335
29/05/2018	kL	1605
30/05/2018	kL	1860
31/05/2018	kL	364

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Air Quality

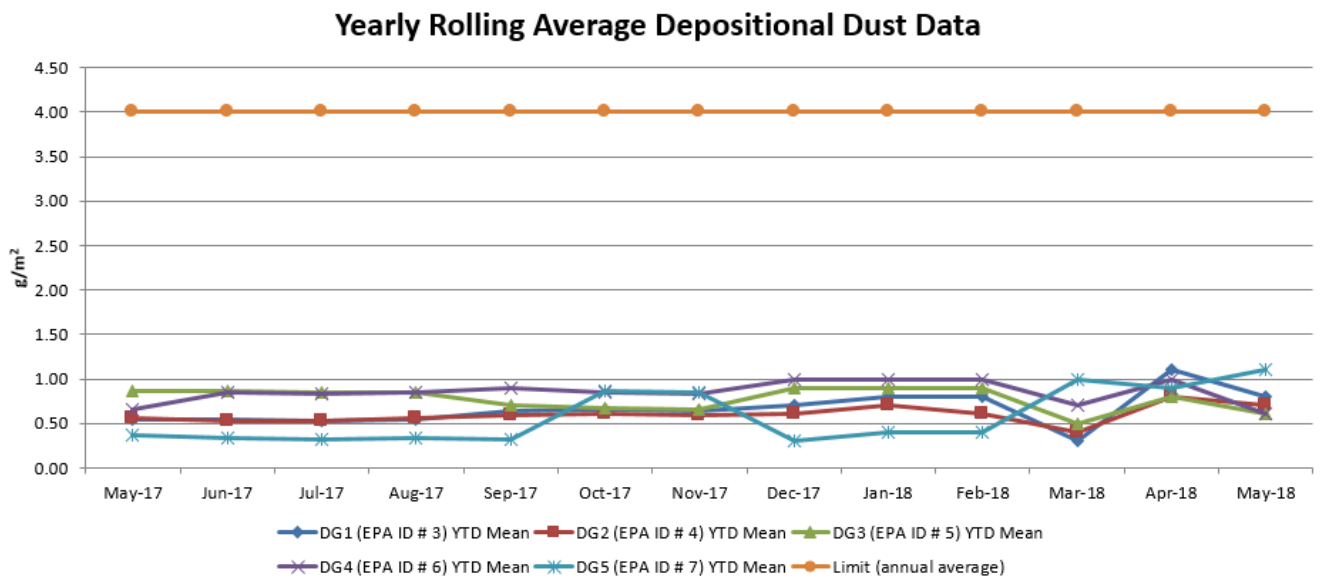
Monthly depositional dust results

Monthly Depositional Dust Data			
May 2018			
EPL	191		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Date Sampled	12-Apr-18	to	14-May-18
Date Obtained	18-May-18		
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)	0.6
DG4 (EPA ID # 6)	0.6
DG5 (EPA ID # 7)	1.1

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			
2018			
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:	12/06/2018		
Month	Total Rainfall / Month (mm)	Minimum Temperature (oC)	Maximum Temperature (oC)
Jan-18	23.4	13.8	42.5
Feb-18	124.2	14.1	38
Mar-18	55.6	10.5	38.1
Apr-18	70.6	11.7	33.8
May-18	18.6	7.3	27.6
Jun-18			
Jul-18			
Aug-18			
Sep-18			
Oct-18			
Nov-18			
Dec-18			