

Monthly Website Report



SITE:	Mannering Colliery
Department:	Technical Services
REPORT TITLE:	Monthly Environmental Report – August 2018
Prepared by:	Wade Covey
Report Date:	14/09/2018
Distribution:	Mannering Colliery Website

Report

Title: **Mannering Colliery Monthly Environmental Report**

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Summary

Monitoring was undertaken in August 2018 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 August 2018 to 31 August 2018.

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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Title:

Manning Colliery Monthly Environmental Report

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 – August 2018

Steel River Testing – Water Analysis Report – July 2018

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Monitoring Results

Water – Quality

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

August 2018			
EPL	191		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Period	01-Aug-18	to	31-Aug-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)
Wednesday, 1 August 2018	7.7	2	<5
Thursday, 2 August 2018			
Friday, 3 August 2018			
Saturday, 4 August 2018			
Sunday, 5 August 2018			
Monday, 6 August 2018			
Tuesday, 7 August 2018			
Wednesday, 8 August 2018			
Thursday, 9 August 2018	7.8	2	<5
Friday, 10 August 2018			
Saturday, 11 August 2018			
Sunday, 12 August 2018			
Monday, 13 August 2018			
Tuesday, 14 August 2018			
Wednesday, 15 August 2018	7.8	<1	<5
Thursday, 16 August 2018			
Friday, 17 August 2018			
Saturday, 18 August 2018			
Sunday, 19 August 2018			
Monday, 20 August 2018			
Tuesday, 21 August 2018			
Wednesday, 22 August 2018			
Thursday, 23 August 2018	7.9	5	<5
Friday, 24 August 2018			
Saturday, 25 August 2018			
Sunday, 26 August 2018			
Monday, 27 August 2018			
Tuesday, 28 August 2018	7.9	5	<5
Wednesday, 29 August 2018			
Thursday, 30 August 2018			
Friday, 31 August 2018			

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Water – Volume

August 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
01/08/2018	kL	1173
02/08/2018	kL	544
03/08/2018	kL	0
04/08/2018	kL	0
05/08/2018	kL	0
06/08/2018	kL	248
07/08/2018	kL	870
08/08/2018	kL	1466
09/08/2018	kL	1693
10/08/2018	kL	1404
11/08/2018	kL	571
12/08/2018	kL	1623
13/08/2018	kL	756
14/08/2018	kL	1114
15/08/2018	kL	1414
16/08/2018	kL	999
17/08/2018	kL	460
18/08/2018	kL	0
19/08/2018	kL	1261
20/08/2018	kL	1698
21/08/2018	kL	824
22/08/2018	kL	1260
23/08/2018	kL	341
24/08/2018	kL	1843
25/08/2018	kL	108
26/08/2018	kL	0
27/08/2018	kL	757
28/08/2018	kL	1544
29/08/2018	kL	1290
30/08/2018	kL	1676
31/08/2018	kL	1199

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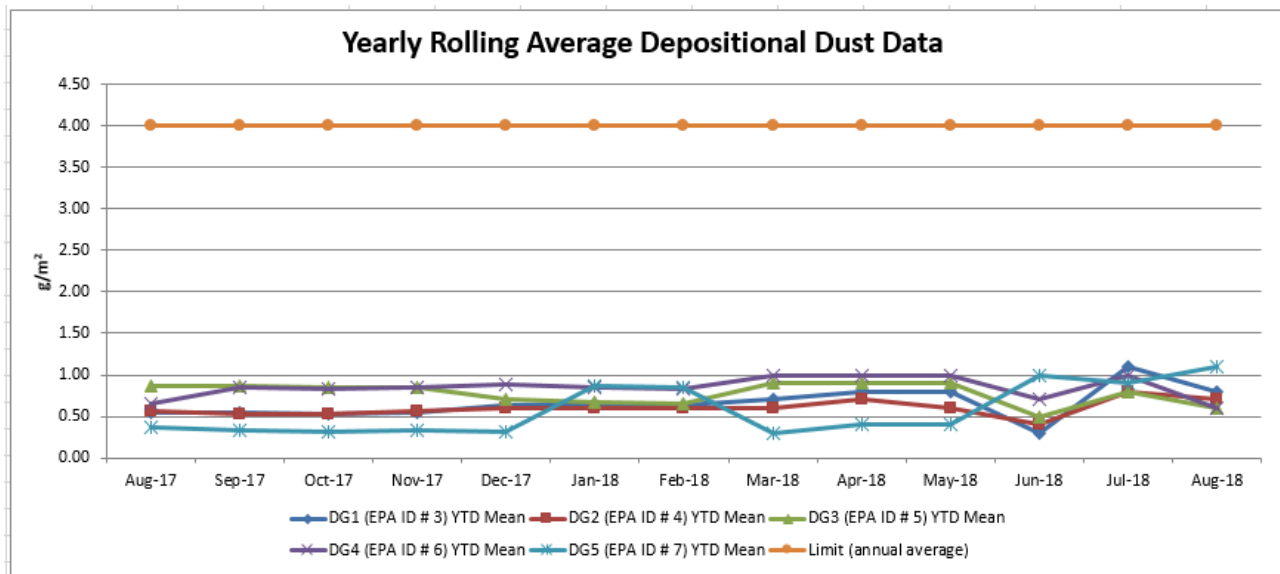
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Air Quality

Monthly depositional dust results

Monthly Depositional Dust Data			
August 2018			
EPL	191		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Date Sampled	13-Jul-18	to	13-Aug-18
Date Obtained	21-Aug-18		
Date Reported	Refer report date		
Sampling Point	As per site below		
Site	Insoluble Matter (g/m ² /month)		
DG1 (EPA ID # 3)	2.3		
DG2 (EPA ID # 4)	1.3		
DG3 (EPA ID # 5)	0.5		
DG4 (EPA ID # 6)	1.1		
DG5 (EPA ID # 7)	0.7		
Notes: - For site locations refer to Air Quality Management Plan			

Rolling annual average depositional dust results



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.

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Monthly Weather Data			
2018			
EPL	131		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Location	w/1 (on-site weather station)		
Date published:	Refer report date		
Date sampled:	Daily		
Date obtained:	02/07/2018		
Month	Total Rainfall / Month (mm)	Minimum Temperature (c°)	Maximum Temperature (c°)
Jan-18	23.4	13.8	42.5
Feb-18	124.2	14.1	38.0
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	289.0	5.1	19.7
Jul-18	6.4	2.3	24.7
Aug-18	56.8	3.9	24.5
Sep-18			
Oct-18			
Nov-18			
Dec-18			