

Monthly Website Report



SITE:	Mannering Colliery
Department:	Technical Services
REPORT TITLE:	Monthly Environmental Report – November 2018
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Report Date:	10/12/2018
Distribution:	Mannering Colliery Website

Report

Title: **Mannering Colliery Monthly Environmental Report**

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Summary

Monitoring was undertaken in November 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 November 2018 to 30 November 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 – November 2018

Steel River Testing – Water Analysis Report – November 2018

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Monitoring Results

Water – Quality

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

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

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Water – Volume

November 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
01/11/2018	kL	194
02/11/2018	kL	1013
03/11/2018	kL	1457
04/11/2018	kL	0
05/11/2018		
	kL	1520
06/11/2018	kL	1305
07/11/2018	kL	972
08/11/2018	kL	944
09/11/2018	kL	0
10/11/2018	kL	0
11/11/2018	kL	1057
12/11/2018	kL	1801
13/11/2018	kL	1481
14/11/2018	kL	975
15/11/2018	kL	1525
16/11/2018	kL	91
17/11/2018	kL	0
18/11/2018	kL	107
19/11/2018	kL	1881
20/11/2018	kL	1773
21/11/2018	kL	1364
22/11/2018	kL	0
23/11/2018	kL	187
24/11/2018	kL	602
25/11/2018	kL	1463
26/11/2018	kL	1418
27/11/2018	kL	1268
28/11/2018	kL	879
29/11/2018	kL	1571
30/11/2018	kL	937
Average	kL	926
Minimum	kL	0
Maximum	kL	1881

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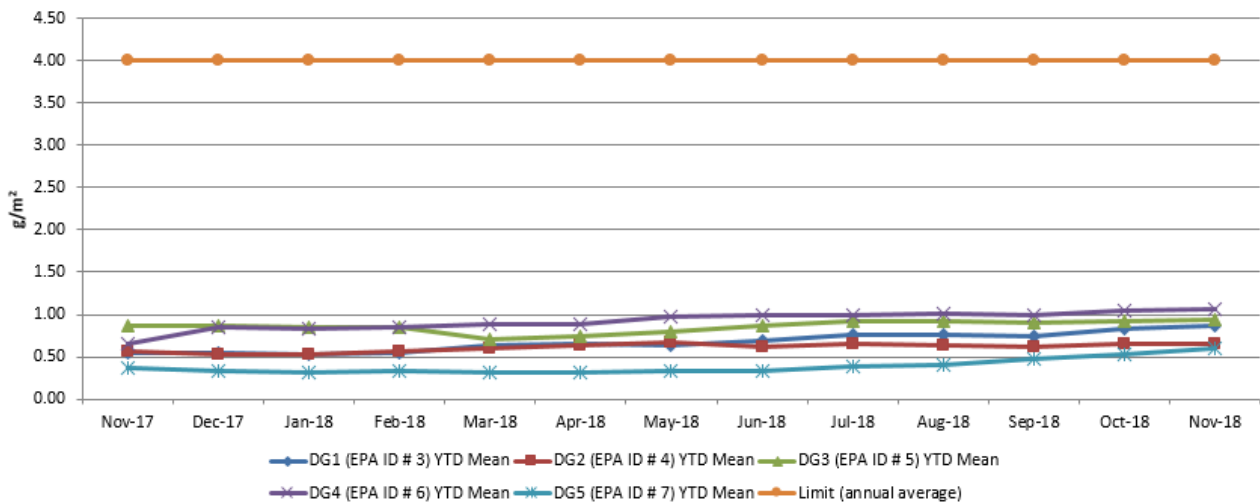
Air Quality

Monthly depositional dust results

Monthly Depositional Dust Data			
November 2018			
EPL	191		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Date Sampled	11-Nov-18	to	09-Nov-18
Date Obtained	19-Nov-18		
Date Reported	Refer report date		
Sampling Point	As per site below		
Site	Insoluble Matter (g/m ² /month)		
DG1 (EPA ID # 3)	2.0		
DG2 (EPA ID # 4)	0.7		
DG3 (EPA ID # 5)	1.0		
DG4 (EPA ID # 6)	2.3		
DG5 (EPA ID # 7)	1.5		
Notes: - For site locations refer to Air Quality Management Plan			

Rolling annual average depositional dust results

Yearly Rolling Average Depositional Dust Data



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	191		
Licensee	LakeCoal Pty Ltd		
Premises	Mannering Colliery		
Location	W1 (on-site weather station)		
Date published:	Refer report date		
Date sampled:	Daily		
Date obtained:	07/12/2018		
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	65.6	6.3	32.2
Oct-18	259.2	8.2	29.5
Nov-18	115.4	10.7	35.9
Dec-18			