



WONGAWILLI COLLIERY

## MONTHLY MONITORING REPORT

ENVIRONMENTAL PROTECTION LICENCE NO: 1087



Site	Wongawilli Colliery	DOC ID	
Type	Report	Date Published	12/12/2017
Doc Title	WWC EPL 1087 MONTHLY MONITORING REPORT		

## GLOSSARY OF TERMS AND ABBREVIATIONS

Abbreviations	
EPL	Environmental Protection Licence
KL/d	Kilolitres per day
mg/L	Milligrams per litre

Term	Definition
Dry Weather Conditions	'Dry Weather Conditions' means less than ten millimetres of rain falling within a 24 hour period and is measured at a point on the premises.
Wet Weather Conditions	'Wet Weather Conditions' means anything other than Dry Weather Conditions.

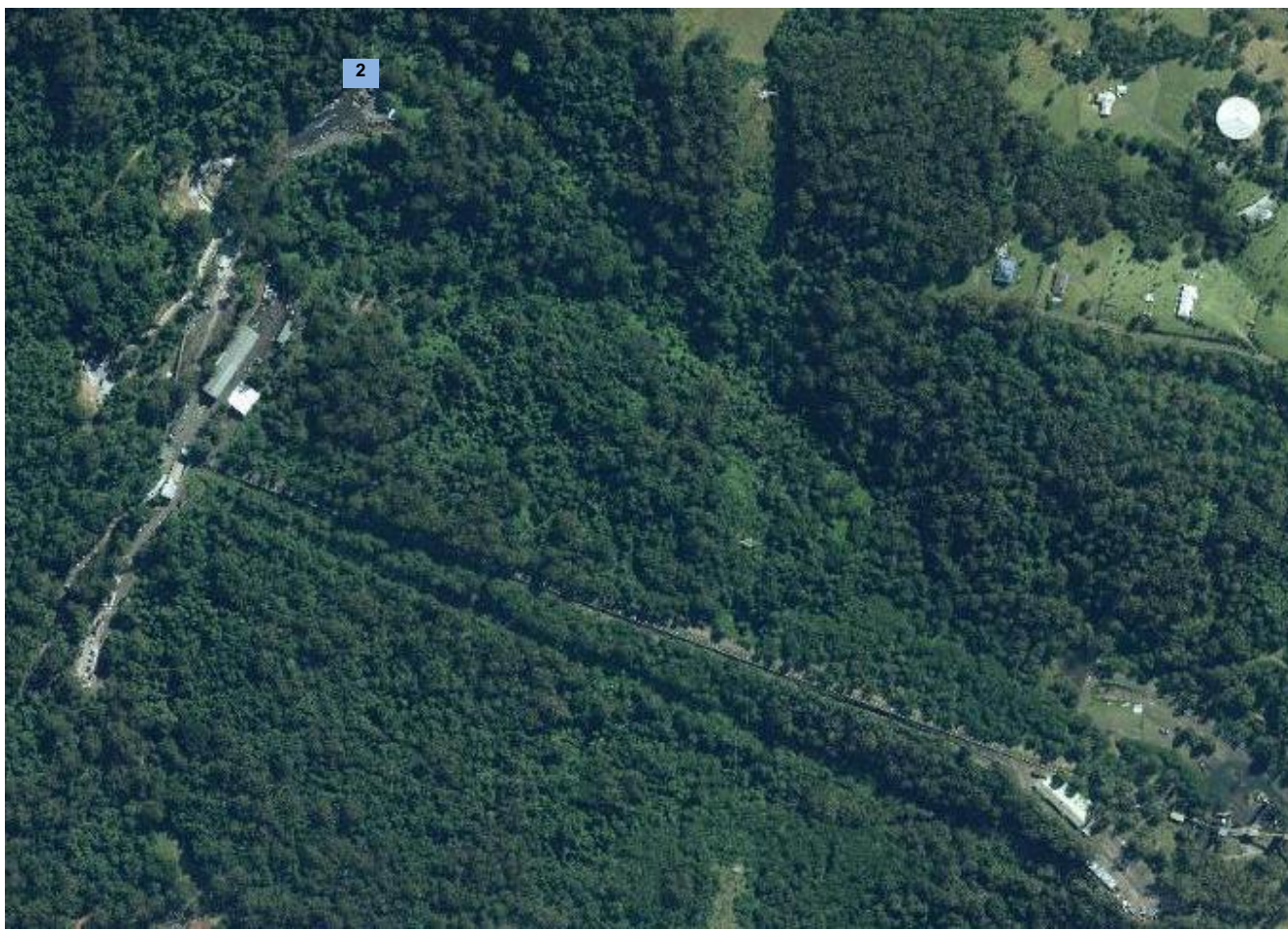
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## 1 WONGAWILLI COLLIERY EPL MONITORING LOCATION POINTS



**Figure 1 - Licensed Monitoring and Discharge Points at Wongawilli**

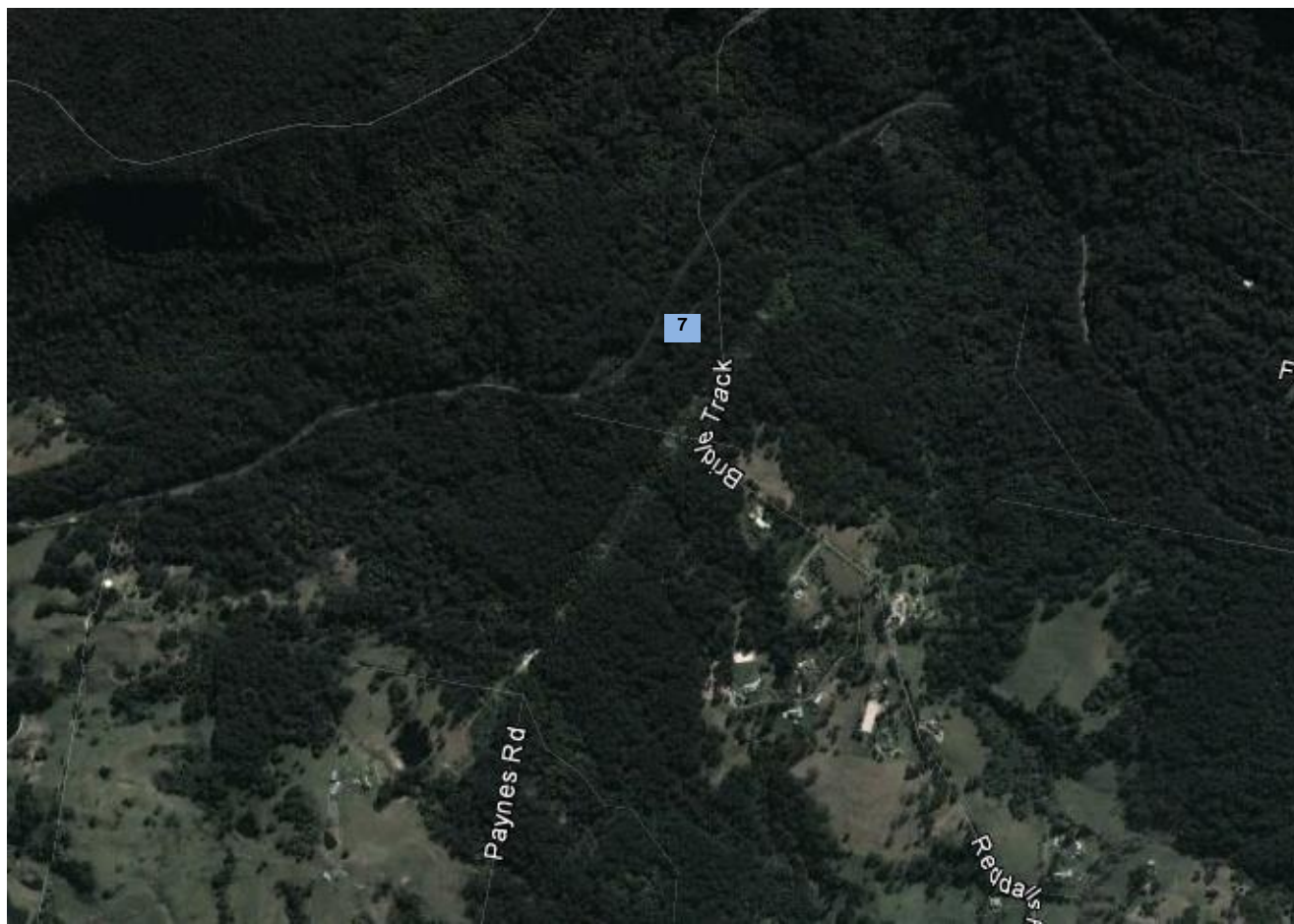
## 2 WONGAWILLI COLLIERY EPL MONITORING LOCATION POINTS



**Figure 2 - Licensed Discharge Point 2 at Wongawilli Pit-Top Area**

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### 3 WONGAWILLI COLLIERY EPL MONITORING LOCATION POINTS



**Figure 3 - Licensed Discharge Point 7 at Junction at Forest 11 Portal, Mt Kembla**

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## 4 WATER QUALITY MONITORING RESULTS

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Discharge Point No:** 1

**Location:** Secondary Stabilisation Lagoon; STP Discharge

**Monitoring Frequency:** Monthly during discharge

**Name of Testing Laboratory:** ALS Laboratory Group

**Nata Registered:** Yes

**EPL 100 Percentile Concentration limits:**

pH (pH units): 6.5 – 8.5

Total Suspended Solids (mg/L): 50

Oil & Grease (mg/L): 10

BOD (mg/L): 20

Date of Sampling	Date of results obtained	Date Published	Discharging	Time	BOD (mg/L)	TSS (mg/L)	pH (pH Units)	Oil & Grease (mg/L)	Comments
January			No						*
February			No						*
March			No						*
April			No						*
May			No						*
June			No						*
July			No						*
August			No						*
September			No						*
October			No						*
November			No						*
December			No						*

\* Water was not discharged via this point during the period

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## 5 WATER QUALITY MONITORING RESULTS

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Discharge Point No:** 2

**Location:** Mine-water discharge at Transport Portal

**Monitoring Frequency:** Once a month

**Name of Testing Laboratory:** ALS Laboratory Group

**Nata Registered:** Yes

**EPL 100 Percentile Concentration limits:**

pH (pH units): 6.5 – 8.5

Total Suspended Solids (mg/L): 50

Oil & Grease (mg/L):10

Date of Sampling	Date of results obtained	Date Published	Discharging	Time	TSS (mg/L)	pH (pH Units)	Oil & Grease (mg/L)	Comments
30/01/17	28/03/17	28/03/17	Yes	12:20 PM	132	7.4	<5	*
07/02/17	13/03/17	28/03/17	Yes	10:40 AM	10	7.5	<5	
13/03/17	12/04/17	25/04/17	Yes	01:05 PM	8	7.3	<5	
05/04/17	29/05/17	08/06/17	Yes	10:56 AM	<5	7.4	<5	
08/05/17	24/05/17	25/05/17	Yes	12:30 PM	38	8.1	<5	
07/06/17	21/06/17	01/07/17	Yes	01:25 PM	70	8.4	<5	*
05/07/17	26/07/17	07/08/17	Yes	11:45 AM	60	7.5	<5	*
August								**
06/09/17	24/11/17		Yes	01:10 PM	8	7.2	<5	
04/10/17	4/12/17	12/12/17	Yes	09:15 AM	<5	7.4	<5	
06/11/17	4/12/17	12/12/17	Yes	03:45 PM	28	7.4	<5	
12/12/17	1/02/18	15/02/18	Yes	07:35 AM	6	7.3	<5	

\*TSS result higher than the EPL 100 Percentile Concentration limits

\*\* Sample was not taken during the period

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## 6 WATER QUALITY MONITORING RESULTS

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Discharge Point No:** 7

**Location:** Junction at Forest 11 Portal – old portal

**Monitoring Frequency:** Monthly during discharge

**Name of Testing Laboratory:** ALS Laboratory Group

**Nata Registered:** Yes

**EPL 100 Percentile Concentration limits:**

pH (pH units): 6.5 – 8.5

Total Suspended Solids (mg/L): 50

Oil & Grease (mg/L):10

Date of Sampling	Date of results obtained	Date Published	Discharging	Time	TSS (mg/L)	pH (pH Units)	Oil & Grease (mg/L)	Comments
January			No					*
February			No					*
March			No					*
April			No					*
May			No					*
June			No					*
July			No					*
August			No					*
September			No					*
October			No					*
November			No					*
December			No					*

\* Water was not discharged at this point during the period

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## 7 DUST MONITORING RESULTS

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Point No:** 9

**Location:** South Western Boundary

**Monitoring Frequency:** Monthly

**Name of Testing Laboratory:** ALS Laboratory Group

**Nata Registered:** Yes

### MONTHLY RESULTS (g/m<sup>2</sup>/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	12/04/17	25/04/17	0.4	0.3	0.7	
February	12/04/17	25/04/17	1.4	0.8	2.2	
March	29/05/17	08/06/17	1.2	0.4	1.6	
April	24/05/17	25/05/17	0.3	0.5	0.8	
May	21/06/17	01/07/17	0.2	0.5	0.7	
June	02/08/17	07/08/17	<0.1	0.2	0.2	
July	08/09/17	11/09/17	0.1	<0.1	0.1	
August	28/09/17	04/10/17	0.1	0.2	0.3	
September	4/12/17	12/12/17	0.1	0.2	0.3	
October	4/12/17	12/12/17	0.4	0.7	1.1	
November	1/02/18	15/02/18	0.2	0.7	0.7	
December	1/02/18	15/02/18	0.3	<0.1	0.3	

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## 8 DUST MONITORING RESULTS

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Point No:** 10

**Location:** Wongawilli Mine Bins

**Monitoring Frequency:** Monthly

**Name of Testing Laboratory:** ALS Laboratory Group

**Nata Registered:** Yes

### MONTHLY RESULTS (g/m<sup>2</sup>/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	12/04/17	25/04/17	0.7	0.3	1.0	
February	12/04/17	25/04/17	0.6	0.4	1.0	
March	29/05/17	08/06/17	0.3	<0.1	0.3	
April	24/05/17	25/05/17	0.2	0.2	0.4	
May	21/06/17	01/07/17	0.2	0.3	0.5	
June	02/08/17	07/08/17	0.2	0.5	0.7	
July	08/09/17	11/09/17	0.3	0.4	0.7	
August	28/09/17	04/10/17	0.3	0.5	0.8	
September	4/12/17	12/12/17	0.3	0.4	0.7	
October	4/12/17	12/12/17	1.5	1.3	2.8	
November	1/02/18	15/02/18	0.3	0.3	0.6	
December	1/02/18	15/02/18	0.4	0.3	0.7	

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## 9 DUST MONITORING RESULTS

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Point No:** 11

**Location:** Wongawilli Village (behind old school)

**Monitoring Frequency:** Monthly

**Name of Testing Laboratory:** ALS Laboratory Group

**Nata Registered:** Yes

### MONTHLY RESULTS (g/m<sup>2</sup>/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	12/04/17	25/04/17	1.0	0.8	1.8	
February	12/04/17	25/04/17	0.7	0.3	1.0	
March	29/05/17	08/06/17	0.2	0.1	0.3	
April	24/05/17	25/05/17	0.3	0.2	0.5	
May	21/06/17	01/07/17	0.4	0.2	0.6	
June	02/08/17	07/08/17	0.1	0.3	0.4	
July	08/09/17	11/09/17	0.2	0.1	0.3	
August	28/09/17	04/10/17	0.3	0.1	0.4	
September	4/12/17	12/12/17	0.3	0.3	0.6	
October	4/12/17	12/12/17	1.1	1.5	2.6	
November	1/02/18	15/02/18	0.3	0.3	0.6	
December	1/02/18	15/02/18	0.4	0.3	0.7	

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## 10 DUST MONITORING RESULTS

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Point No:** 12

**Location:** Shone Ave

**Monitoring Frequency:** Monthly

**Name of Testing Laboratory:** ALS Laboratory Group

**Nata Registered:** Yes

### MONTHLY RESULTS (g/m<sup>2</sup>/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	12/04/17	25/04/17	0.6	<0.1	0.6	
February	12/04/17	25/04/17	0.5	0.3	0.8	
March	29/05/17	08/06/17	0.1	0.3	0.4	
April	24/05/17	25/05/17	0.5	0.2	0.7	
May	21/06/17	01/07/17	0.2	0.3	0.5	
June	02/08/17	07/08/17	<0.1	0.2	0.2	
July	08/09/17	11/09/17	0.2	0.1	0.3	
August	28/09/17	04/10/17	0.2	0.1	0.3	
September	4/12/17	12/12/17	0.1	0.1	0.2	
October	4/12/17	12/12/17	0.9	0.9	1.8	
November	1/02/18	15/02/18	0.8	0.7	1.5	
December	1/02/18	15/02/18	0.6	0.2	0.8	

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## 11 DUST MONITORING RESULTS

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Point No:** 13

**Location:** West Dapto Rd/Bong Bong Rd

**Monitoring Frequency:** Monthly

**Name of Testing Laboratory:** ALS Laboratory Group

**Nata Registered:** Yes

### MONTHLY RESULTS (g/m<sup>2</sup>/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	12/04/17	25/04/17	0.6	0.3	0.9	
February	12/04/17	25/04/17	0.7	0.5	1.2	
March	29/05/17	08/06/17	0.4	0.3	0.7	
April	24/05/17	25/05/17	0.4	0.2	0.6	
May	21/06/17	01/07/17	0.4	0.3	0.7	
June	02/08/17	07/08/17	0.1	0.2	0.3	
July	08/09/17	11/09/17	0.2	0.2	0.4	
August	28/09/17	04/10/17	0.3	0.2	0.5	
September	4/12/17	12/12/17	0.1	0.1	0.2	
October	4/12/17	12/12/17	0.9	0.9	1.8	
November	1/02/18	15/02/18	0.4	0.4	0.8	
December	1/02/18	15/02/18	1	1	2	



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## 12 LICENSED DISCHARGE VOLUMES

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Discharge Point No:** 1

**Location:** Secondary Stabilisation Lagoon; STP Discharge

**Type of Monitoring:** Volume of liquid discharge

**Monitoring Frequency:** Continuous

**EPL Volume and Mass limits:** 30kL/d

Monitoring Period	Discharging	Date Published	Average Flow (kL/d)	Max Flow (kL/d)	Comments
January	No				*
February	No				*
March	No				*
April	No				*
May	No				*
June	No				*
July	No				*
August	No				*
September	No				*
October	No				*
November	No				*
December	No				*

\* Water was not discharged via this point during the period

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## 13 LICENSED DISCHARGE VOLUMES

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Discharge Point No:** 2

**Location:** Mine-water discharge at Transport Portal

**Type of Monitoring:** Volume of liquid discharge

**Monitoring Frequency:** Continuous

**EPL Volume and Mass limits:** 10,000kL/d

Monitoring Period	Discharging	Date Published	Average Flow (kL/d)	Max Flow (kL/d)	Comments
January	Yes	10/02/17	812.50	1593.02	
February	Yes	10/03/17	1373.90	1914.97	
March	Yes	07/03/17	2205.46	4673.30	
April	Yes	07/04/17	2872.12	4889.89	
May	Yes	08/06/17	3092.63	4914.04	
June	Yes	01/07/17	1902.12	4229.18	
July	Yes	07/08/17	3017.35	5161.27	
August	Yes	04/09/17	2776.53	5347.32	
September	Yes	04/10/17	2551.69	4939.00	
October	Yes	03/11/17	3112.20	4467.01	
November	Yes	12/12/17	2398.33	4351.36	
December	Yes	21/2/18	2077.81	4145.55	



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## 14 LICENSED DISCHARGE VOLUMES

**Name of Licensee:** Wollongong Coal Limited

**Address of Premises:** Jersey Farm Road, West Dapto, NSW 2530

**Environmental Protection Licence No:** 1087

**Licensed Discharge Point No:** 8

**Location:** Hunter 2 Dam – old portal

**Type of Monitoring:** Volume of liquid discharge

**Monitoring Frequency:** Continuous

**EPL Volume and Mass limits:** 2500 kL/d

Monitoring Period	Discharging	Date Published	Average Flow (kL/d)	Max Flow (kL/d)	Comments
January	No				*
February	No				*
March	No				*
April	No				*
May	No				*
June	No				*
July	No				*
August	No				*
September	No				*
October	No				*
November	No				*
December	No				*

\* Water was not discharged via this point during the period.