

Site	Wongawilli Colliery	DOC ID	
Type	Report	Date Published	10/03/2016
Doc Title	WWC EPL 1087 MONTHLY MONITORING REPORT		

WONGAWILLI COLLIERY

MONTHLY MONITORING REPORT

ENVIRONMENTAL PROTECTION LICENCE NO: 1087



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.

1 WONGAWILLI COLLIERY EPL MONITORING LOCATION POINTS



Figure 1 - Licensed Monitoring and Discharge Points at Wongawilli

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2 WONGAWILLI COLLIERY EPL MONITORING LOCATION POINTS

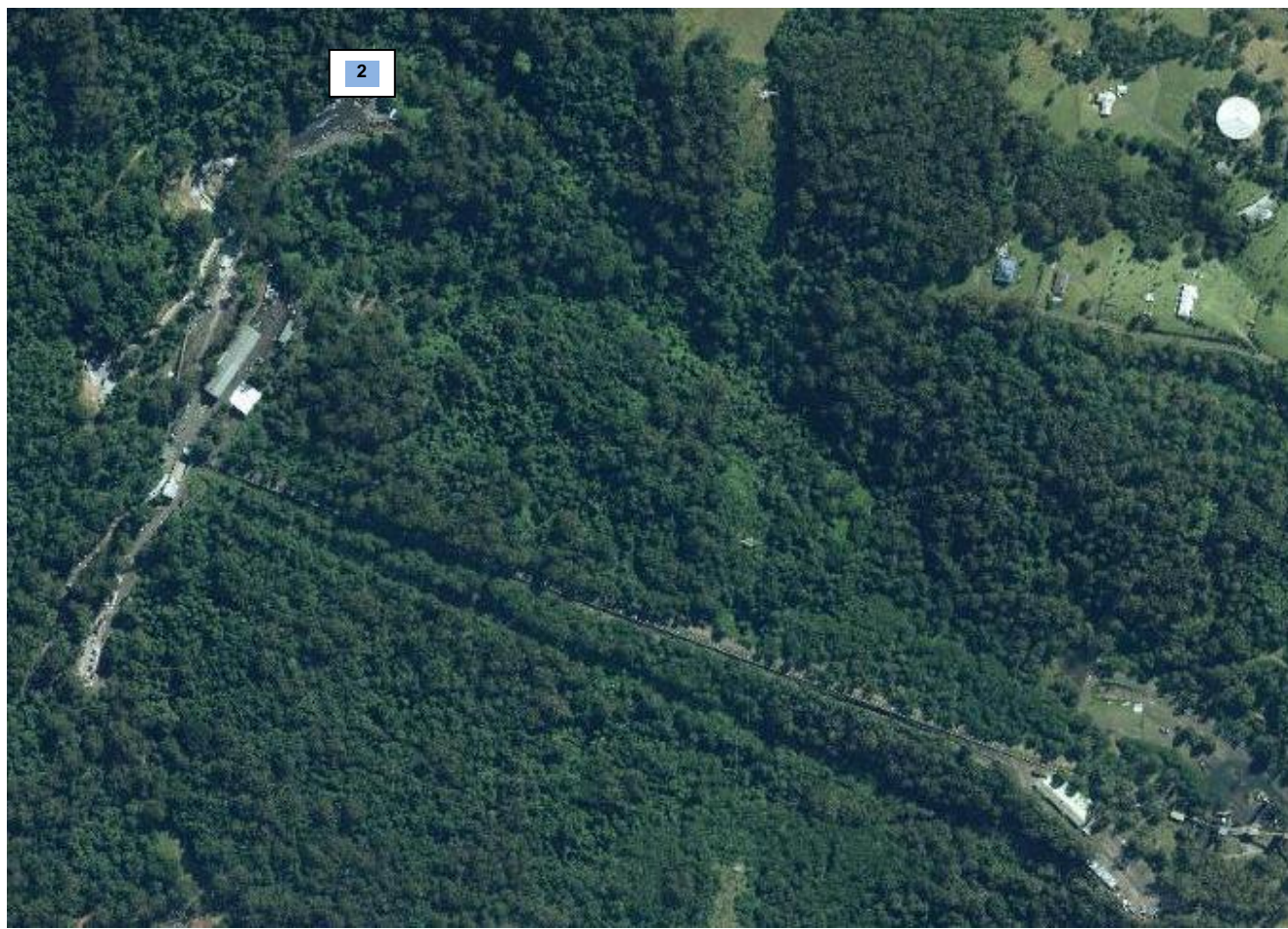


Figure 2 - Licensed Discharge Point 2 at Wongawilli Pit-Top Area

3 WONGAWILLI COLLIERY EPL MONITORING LOCATION POINTS

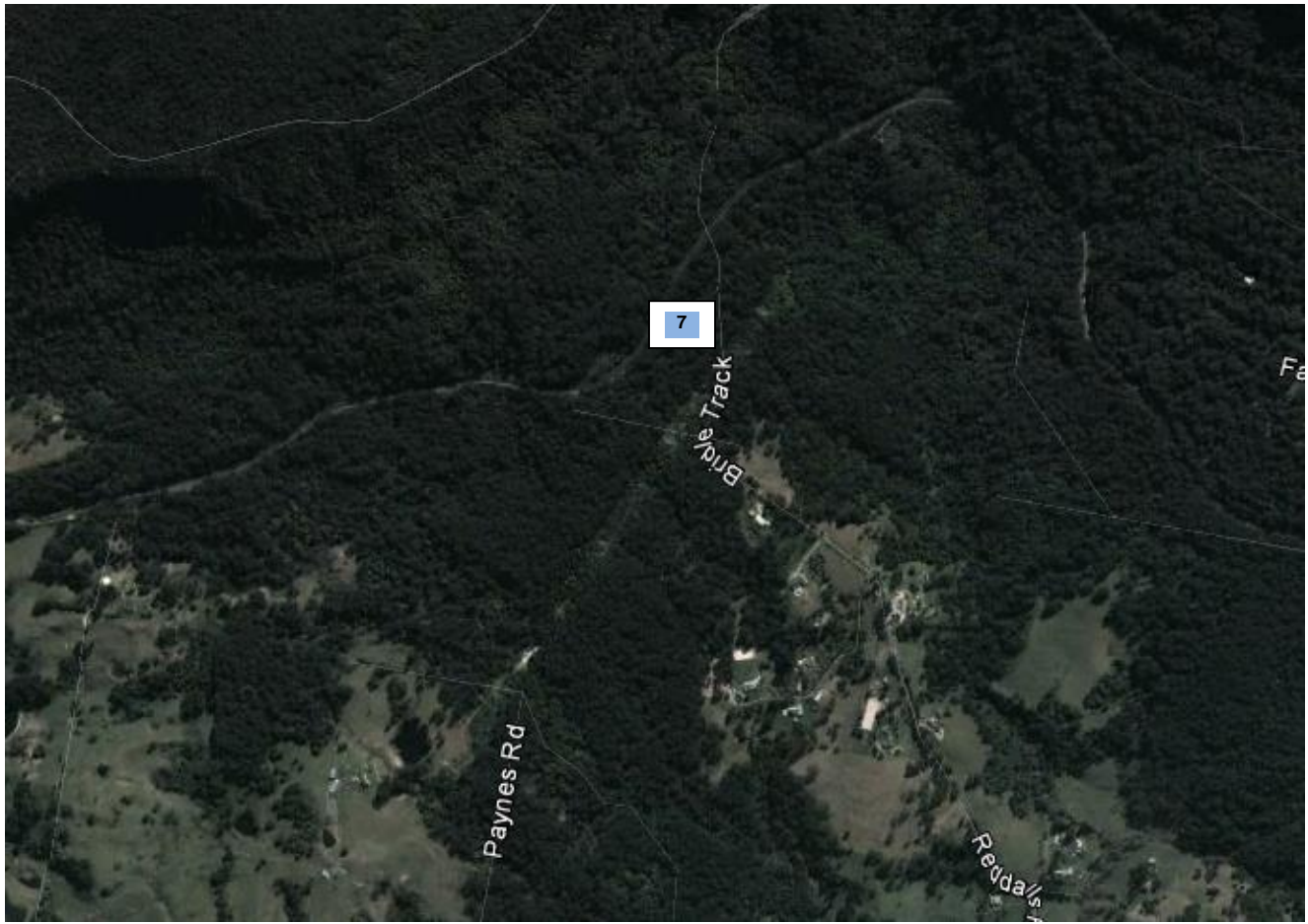


Figure 3 - Licensed Discharge Point 7 at Junction at Forest 11 Portal, Mt Kembla

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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

Person Sampling: Lee/S. Cugalj

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

Person Sampling: K. Lee/S. Cugalj

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	22/05/15	22/05/15	Yes	08:45 AM	17	7.8	<5	
February	22/05/15	22/05/15	Yes	01:00 PM	20	7.6	<5	
March	22/05/15	22/05/15	Yes	07:50 AM	8	8.3	<5	
April	11/06/15	15/06/15	Yes	07:30 AM	10	8.0	<5	
May	11/06/15	15/06/15	Yes	08:00 AM	<5	8.3	<5	
June	10/08/15	01/09/15	Yes	08:20 AM	12	7.6	<5	
July	10/08/15	01/09/15	Yes	10:20 AM	8	7.5	<5	
August	29/10/15	08/11/15	Yes	07:15 AM	9	7.4	<5	
September	29/10/15	08/11/15	Yes	09:15 AM	9	7.4	<5	
October	24/11/15	21/01/16	Yes	08:00 AM	12	7.4	<5	
November	08/01/15	21/01/16	Yes	07:15 AM	6	7.5	6	
December	08/03/16	10/03/16	Yes	07.15 AM	6	7.4	<5	

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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: 3

Location: Underflow from Filter Pond

Monitoring Frequency: Monthly during discharge

Person Sampling: K. Lee/S. Cugalj

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 via this point during the period. This discharge point has been capped

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7 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

Person Sampling: Lee/S. Cugalj

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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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:9

Location: South Western Boundary

Monitoring Frequency: Monthly

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

MONTHLY RESULTS (g/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	22/05/15	22/05/15	0.4	0.7	1.1	
February	22/05/15	22/05/15	0.2	0.4	0.6	
March	11/06/15	15/06/15	0.3	0.4	0.7	
April	10/06/15	15/06/15	0.8	0.7	1.5	
May	10/08/15	01/09/15	0.4	0.4	0.8	
June	10/08/15	01/09/15	0.2	0.2	0.4	
July	17/08/15	01/09/15	0.1	<0.1	0.1	
August	30/10/15	08/11/15	0.6	0.4	1.0	
September	24/11/15	21/01/16	0.3	0.2	0.5	
October	08/03/16	10/03/16	0.3	<0.1	0.3	
November	08/03/16	10/03/16	0.4	0.1	0.5	
December	08/03/16	10/03/16	0.3	0.5	0.8	



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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:10

Location: Wongawilli Mine Bins

Monitoring Frequency: Monthly

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

MONTHLY RESULTS (g/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	22/05/15	22/05/15	0.4	0.4	0.8	
February	22/05/15	22/05/15	0.2	0.2	0.4	
March	11/06/15	15/06/15	0.4	0.3	0.7	
April	10/06/15	15/06/15	0.3	0.8	1.1	
May	10/08/15	01/09/15	0.3	1.1	1.4	
June	10/08/15	01/09/15	0.4	0.5	0.9	
July	17/08/15	01/09/15	0.9	0.9	1.8	
August	30/10/15	08/11/15	0.2	0.2	0.4	
September	24/11/15	21/01/16	0.2	0.3	0.5	
October	08/03/16	10/03/16	0.5	0.3	0.8	
November	08/03/16	10/03/16	0.4	0.2	0.6	
December	08/03/16	10/03/16	0.8	0.8	1.6	

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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:11

Location: Wongawilli Village (behind old school)

Monitoring Frequency: Monthly

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

MONTHLY RESULTS (g/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	22/05/15	22/05/15	3.1	5.6	8.7	*
February	22/05/15	22/05/15	1.1	2.0	3.1	
March	11/06/15	15/06/15	0.5	0.5	1.0	
April	10/06/15	15/06/15	3.4	3.8	7.2	**
May	10/08/15	01/09/15	1.0	1.3	2.3	
June	10/08/15	01/09/15	5.4	2.5	7.9	*
July	17/08/15	01/09/15	13.4	8.5	21.9	*
August	30/10/15	08/11/15	1.2	0.6	1.8	
September	24/11/15	21/01/16	0.3	0.1	0.4	
October	08/03/16	10/03/16	0.8	0.5	1.3	
November	08/03/16	10/03/16	1.9	2.5	4.4	***
December	08/03/16	10/03/16	1.0	1.0	2.0	

* Results were higher due to insects, dirt and polysaccharide slime. Confirmed during visual analysis of dust

** Results were higher due to insects and dirt. Confirmed during visual analysis of dust

*** Results were higher due to insects, dirt, vegetation and polysaccharide slime. Confirmed during visual analysis of dust

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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: 12

Location: Shone Ave

Monitoring Frequency: Monthly

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

MONTHLY RESULTS (g/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	22/05/15	22/05/15	0.5	0.6	1.1	
February	22/05/15	22/05/15	0.7	0.3	1.0	
March	11/06/15	15/06/15	0.7	0.3	1.0	
April	10/06/15	15/06/15	0.7	1.9	2.6	
May	10/08/15	01/09/15	0.6	0.8	1.4	
June	10/08/15	01/09/15	1.2	0.6	1.8	
July	17/08/15	01/09/15	0.2	<0.1	0.2	
August	30/10/15	08/11/15	0.4	<0.1	0.4	
September	24/11/15	21/01/16	0.2	<0.1	0.2	
October	08/03/16	10/03/16	0.8	<0.1	0.8	
November	08/03/16	10/03/16	0.7	<0.1	0.7	
December	08/03/16	10/03/16	1.2	0.9	2.1	

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12 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/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	22/05/15	22/05/15	0.5	0.4	0.9	
February	22/05/15	22/05/15	1.6	1.3	2.9	
March	11/06/15	15/06/15	0.9	0.4	1.3	
April	10/06/15	15/06/15	0.4	0.4	0.8	
May	10/08/15	01/09/15	0.3	0.7	1.0	
June	10/08/15	01/09/15	1.2	0.8	2.0	
July	17/08/15	01/09/15	0.3	<0.1	0.3	
August	30/10/15	08/11/15	0.3	0.2	0.5	
September	24/11/15	21/01/15	0.4	<0.1	0.4	
October	08/03/16	10/03/16	1.0	<0.1	1.0	
November	08/03/16	10/03/16	0.8	0.8	1.6	
December	08/03/16	10/03/16	0.7	0.9	1.6	



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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: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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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: 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	22/05/15	31.46	380.69	
February	Yes	22/05/15	157.97	1000.49	
March	Yes	22/05/15	93.82	750.16	
April	Yes	15/06/15	313.38	1673.02	
May	Yes	15/06/15	954.80	1836.84	
June	Yes	01/07/15	991.36	4202.65	
July	Yes	01/08/15	1867.73	4291.65	
August	Yes	01/09/15	3837.91	5615.79	
September	Yes	01/10/15	4560.40	5504.37	
October	Yes	08/11/15	4488.96	5589.44	
November	Yes	21/01/16	3397.82	7381.57	
December	Yes	21/01/16	2782.59	5502.80	

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15 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. This discharge point has been capped