

WATER DISCHARGE RESULTS 2016

EPL No. 396
Licencee: Bloomfield Collieries Pty Ltd
Premises: Bloomfield Colliery
 Four Mile Creek Rd
 Astonfield NSW 2323

Monitoring Frequency:

Daily during discharge



DISCHARGE RECORD 2016

DISCHARGE	DATE	RAINFALL (mm)	DISCHARGE (EPL POINT 1)						FOUR MILE CREEK (EPL POINT 2)				
			pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCTANCE (uS/cm)	IRON (mg/l)	DISCHARGE VOLUME (ML/day)	pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCTANCE (uS/cm)	FLOW FROM LOGGER (ML/day)
1	04-Jan-16	27.8	8.2	2	4,770	5,320	<0.01	40	7.9	14	1,830	2,530	*
2	05-Jan-16	63.6	8.2	2	4,560	5,240	<0.01	40	7.5	16	2,460	2,980	*
3	06-Jan-16	196.4	8.0	283	2,420	3,150	0.02	40	6.4	104	240	317	*
4	07-Jan-16	35.4	7.7	224	1,020	1,460	0.06	40	6.9	102	586	845	*
5	08-Jan-16	0.0	7.8	17	4,300	4,520	0.01	10	7.0	102	582	835	*
6	09-Jan-16	0.0	7.7	17	4,260	4,490	0.01	10	7.0	116	610	835	*
7	15-Jan-16	68.4	8.0	19	3,560	4,360	0.06	40	6.5	80	342	439	*
8	16-Jan-16	19.2	7.2	16	2,350	2,780	0.05	10	6.1	73	302	376	*
9	17-Jan-16	2.4	7.2	14	2,310	2,750	0.05	10	7.0	32	1,280	1,720	*
10	22-Jan-16	30.4	8.1	9	4,260	4,850	<0.01	40	7.5	20	1,740	2,230	146
11	23-Jan-16	0.0	8.0	23	3,810	4,460	<0.01	40	7.9	48	1,760	2,340	101
12	24-Jan-16	1.2	7.8	16	3,890	4,070	0.01	10	7.9	48	1,740	2,330	37
13	04-Feb-16	22.0	8.1	7	4,710	5,360	<0.01	40	7.5	54	2,740	3,180	70
14	05-Feb-16	0.0	8.2	10	3,800	4,490	<0.01	40	8.1	13	4,400	4,930	62
15	06-Feb-16	0.0	8.3	11	3,480	4,150	<0.01	20	7.8	25	3,090	3,750	38
16	17-Mar-16	10.6	8.1	1	4,090	5,110	<0.05	40	7.8	31	1,770	2,620	53
17	29-Mar-16	32.4	8.0	5	4,510	5,020	<0.01	40	7.9	51	3,350	3,960	67
18	30-Mar-16	0.0	8.1	7	4,430	5,030	<0.01	40	8.2	10	4,580	5,010	65
19	31-Mar-16	0.0	8.3	11	4,460	4,820	<0.01	40	8.3	7	4,100	4,510	46
20	13-Apr-16	10.5	8.1	5	4,460	4,900	<0.05	40	8.0	13	2,630	3,230	49
21	18-Apr-16	24.0	8.1	5	4,290	4,790	<0.01	40	8.0	14	3,760	4,250	56
22	19-Apr-16	0.0	8.1	6	4,230	4,650	<0.01	40	8.2	11	4,200	4,650	49
23	20-Apr-16	0.0	8.1	7	4,290	4,650	<0.01	20	8.3	6	4,340	4,660	25
24	02-May-16	11.0	8.2	3	4,710	4,760	<0.01	40	7.7	13	1,340	1,880	52
25	04-Jun-16	29.2	8.3	1	4,830	5,730	<0.01	40	7.7	14	393	576	94
26	05-Jun-16	52.4	8.3	1	4,830	5,720	<0.01	40	8.2	43	2,560	3,400	84
27	06-Jun-16	0.0	8.3	8	4,650	5,630	<0.01	40	7.8	53	3,350	4,180	54
28	07-Jun-16	0.0	8.3	6	3,990	4,880	<0.01	30	8.3	51	4,040	4,350	35
29	19-Jun-16	32.4	8.2	2	4,810	5,480	<0.01	40	8.2	26	3,920	4,690	71
30	20-Jun-16	0.0	8.1	2	5,150	5,150	<0.01	40	8.2	13	4,520	4,670	56

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DISCHARGE	DATE	RAINFALL (mm)	pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCTANCE (uS/cm)	IRON (mg/l)	DISCHARGE VOLUME (ML/day)	pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCTANCE (uS/cm)	FLOW FROM LOGGER (ML/day)
31	21-Jun-16	0.0	8.2	4	4,190	4,580	0.02	40	8.3	15	4,510	4,710	42
32	07-Jul-16	11.5	8.2	1	5,090	5,050	<0.01	40	8.0	11	2,290	2,860	60
33	09-Jul-16	10.0	8.1	1	4,900	5,060	<0.01	40	8.2	11	4,450	4,640	53
34	20-Jul-16	21.0	8.1	3	5,020	5,160	<0.01	40	8.3	17	1,720	2,270	76
35	21-Jul-16	9.5	8.2	2	4,750	5,040	<0.01	40	8.3	17	4,160	4,440	70
36	22-Jul-16	0.0	8.2	1	4,650	5,080	<0.01	40	8.3	10	4,430	4,740	61
37	03-Aug-16	14.0	8.1	2	5,070	5,070	<0.01	40	7.8	11	1,500	2,040	96
38	04-Aug-16	35.2	8.2	17	4,200	4,480	<0.01	40	8.1	116	2,720	3,150	93
39	05-Aug-16	7.8	8.3	14	3,380	3,890	<0.01	20	8.2	23	3,050	3,470	59
40	06-Aug-16	0.6	8.3	11	3,140	3,930	<0.01	20	8.1	10	3,330	3,840	33
41	02-Sep-16	13.8	8.1	2	4,930	4,830	<0.01	40	7.7	18	783	1,170	64
42	14-Sep-16	12.0	8.1	3	5,130	5,100	<0.01	40	8.1	17	2,070	2,450	68
43	19-Sep-16	20.0	8.2	1	4,970	4,890	<0.01	40	7.9	12	2,190	2,610	67
44	20-Sep-16	0.0	8.0	2	4,470	4,600	<0.01	40	8.3	11	4,620	4,500	59
45	21-Sep-16	0.0	8.1	2	4,510	4,700	<0.01	40	8.4	10	4,350	4,550	48
46	26-Sep-16	11.5	8.2	4	5,100	5,020	<0.01	30	8.1	12	2,450	2,880	39
47	11-Oct-16	10.3	7.9	1	4,960	5,070	<0.01	40	8.0	19	2,500	3,050	57
48	22-Oct-16	22.4	7.6	1	5,310	5,410	0.02	40	8.2	5	4,810	4,930	49
49	23-Oct-16	0.0	7.7	1	5,130	5,050	0.03	10	8.2	7	4,870	4,960	28
50	24-Oct-16	0.0	8.0	1	5,090	5,310	0.03	10	8.3	8	4,810	4,980	15
51	12-Nov-16	28.2	7.7	6	4,850	5,370	<0.01	40	8.3	9	3,980	5,010	65
52	13-Nov-16	0.0	8.0	2	4,170	5,160	0.02	20	8.3	8	4,030	4,970	43
53	14-Nov-16	0.0	8.1	3	4,160	4,790	0.02	10	8.3	14	3,940	4,860	19
54	07-Dec-16	22.0	8.0	15	5,110	5,490	<0.01	10	8.0	33	2,930	3,630	21
55	08-Dec-16	0.0	8.1	20	5,170	5,300	<0.01	10	8.0	9	3,230	4,030	14
56	09-Dec-16	0.0	8.1	20	5,200	5,340	<0.01	2	8.0	11	4,750	5,060	5
57	16-Dec-16	23.0	7.8	17	5,300	5,090	<0.01	10	7.9	18	1,520	1,970	25

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	Max		8.3	283	5,310	5,730	0.06	40	8.4	116	4,870	5,060	146
	Min		7.2	1	1,020	1,460	0.01	2	6.1	5	240	317	5
	Average		8.0	16	4,372	4,765	0.03	31	7.9	29	2,852	3,299	55
	EPL Limit		6.5-8.5	30	-	6,000	1	40	-	-	-	-	-
							Total	1,792					

Note: * Denotes logger malfunction. Water level sensor failure.