

WATER DISCHARGE RESULTS 2013

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 2013

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	29-Jan-13	96.2	8.2	7	3,100	4,210	<0.05	40	7.2	53	518	786	222
2	30-Jan-13	0.0	8.3	6	3,750	5,050	<0.05	40	7.9	17	2,850	3,880	106
3	31-Jan-13	0.0	8.2	7	3,420	4,490	<0.05	40	8.0	9	3,450	4,600	67
4	04-Feb-13	41.5	8.0	13	3,400	4,460	<0.05	40	7.1	22	1,030	1,440	69
5	12-Feb-13	11.5	8.2	4	3,950	5,200	<0.05	40	7.5	14	1,720	2,370	56
6	23-Feb-13	49.8	8.1	4	3,520	4,610	<0.05	40	7.5	10	1,120	1,730	687
7	24-Feb-13	54.8	8.3	15	2,730	4,010	<0.05	40	7.6	36	1,620	2,380	262
8	25-Feb-13	0.0	7.9	27	1,920	2,770	<0.05	40	7.6	38	1,560	2,390	107
9	01-Mar-13	49.4	8.0	14	2,900	4,010	<0.05	40	6.4	96	226	283	739
10	02-Mar-13	48.8	8.1	21	2,430	3,520	<0.05	40	7.3	29	1,170	1,690	522
11	03-Mar-13	16.0	7.7	26	1,360	2,040	<0.05	40	7.4	28	1,180	1,740	180
12	04-Mar-13	0.0	7.8	23	1,910	2,740	<0.05	40	7.4	29	1,210	1,750	94
13	03-Apr-13	20.5	8.0	3	3,920	4,960	<0.05	40	7.7	7	3,340	4,130	82
14	04-Apr-13	0.0	8.2	6	3,520	4,860	<0.05	40	8.1	27	4,310	5,380	78
15	05-Apr-13	0.0	8.2	6	3,160	4,400	<0.05	40	8.1	13	2,860	3,950	62
16	10-Apr-13	23.5	8.1	5	4,270	5,160	<0.05	40	7.7	24	1,340	1,890	62
17	11-Apr-13	0.0	8.3	7	3,580	4,730	<0.05	40	8.2	20	4,130	5,000	54
18	12-Apr-13	0.0	8.2	8	3,220	4,470	<0.05	30	8.2	23	3,190	4,410	39
19	20-Apr-13	38.8	8.1	5	4,380	5,260	<0.05	40	7.8	14	3,020	3,560	103
20	21-Apr-13	0.0	8.2	5	3,740	4,850	<0.05	40	8.1	48	3,460	4,380	74
21	22-Apr-13	0.0	8.3	11	3,290	4,370	<0.05	40	8.2	23	3,100	4,010	50
22	23-May-13	33.2	8.2	2	4,230	5,070	<0.05	40	7.7	14	962	1,290	117.0
23	24-May-13	14.8	8.4	3	4,000	5,000	<0.05	40	8.2	43	3,240	4,030	90.0
24	25-May-13	2.6	8.3	3	3,980	5,020	<0.05	40	8.1	6	3,270	4,030	64.0
25	02-Jun-13	18.6	8.1	6	4,500	5,710	<0.05	40	8.2	31	3,640	4,660	85.6

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			DISCHARGE (EPL POINT 1)						FOUR MILE CREEK (EPL POINT 2)				
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)
26	03-Jun-13	0.0	8.2	6	4,210	5,370	<0.05	40	8.2	31	3,580	4,670	70.0
27	12-Jun-13	11.6	8.3	3	4,260	5,360	<0.05	40	8.2	35	3,770	4,680	70.7
28	26-Jun-13	22.2	8.2	3	4,720	5,400	<0.05	40	8.2	35	3,780	4,370	127.4
29	27-Jun-13	1.6	8.3	2	4,250	5,110	<0.05	40	8.2	39	3,620	4,370	116.2
30	28-Jun-13	17.0	8.3	4	3,440	4,400	<0.05	40	8.2	41	2,860	3,670	120.6
31	29-Jun-13	18.0	8.3	5	3,410	4,450	<0.05	40	8.1	44	1,440	2,390	105.6
32	30-Jun-13	0.0	8.3	18	2,960	4,200	<0.05	30	8.0	47	1,640	2,370	99.2
33	08-Aug-13	10.5	8.3	1	3,700	4,560	<0.05	40	7.7	20	740	1,020	72.2
34	17-Sep-13	19.0	8.2	3	4,540	5,470	<0.05	40	8.3	22	3,540	4,650	71.9
35	18-Sep-13	0.0	8.4	2	3,640	4,630	<0.05	40	8.3	22	3,570	4,650	64.3
36	11-Nov-13	36.6	8.1	6	4,950	5,610	<0.05	40	7.9	14	3,980	4,640	48.0
37	18-Nov-13	136.0	8.2	19	2,160	2,820	<0.05	40	6.7	323	398	530	549.7
38	20-Nov-13	0.0	8.0	14	2,380	3,280	<0.05	40	7.5	48	1,030	1,470	62.0
39	25-Nov-13	22.4	8.1	12	3,730	4,780	<0.05	40	7.7	73	2,040	2,780	78.4
40	26-Nov-13	0.0	8.2	18	3,130	3,990	<0.05	40	8.0	24	2,730	3,540	48.5
41	27-Nov-13	0.0	8.3	19	3,000	3,920	<0.05	20	8.1	21	2,760	3,560	27.1
42	29-Nov-13	34.6	8.2	27	3,410	3,960	<0.05	40	7.6	61	1,660	2,190	138.0
43	26-Dec-13	12.6	7.9	6	4,700	4,940	<0.05	40	7.9	38	3,550	4,100	59.8
	Max		8.4	27	4,950	5,710	<0.05	40	8.3	323	4,310	5,380	739
	Min		7.7	1	1,360	2,040	<0.05	20	6.4	6	226	283	27
	Average		8.2	9	3,506	4,493	<0.05	39	7.8	37	2,423	3,149	140
	EPL Limit		6.5-8.5	30	-	6,000	1	40	-	-	-	-	-