

WATER DISCHARGE RESULTS 2014

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

Monitoring Frequency: Daily during discharge



DISCHARGE RECORD 2014													
			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)
1	25-Jan-14	11.8	8.1	12	4,640	5,120	<0.05	40	8.0	25	5,040	5,490	47.6
2	16-Feb-14	17.6	8.0	7	4,550	5,820	<0.05	40	8.0	12	3,020	4,050	63.1
3	17-Feb-14	0.0	8.2	6	4,206	5,650	<0.05	40	8.2	5	4,010	5,420	50.7
4	20-Feb-14	40.8	8.2	8	4,380	5,820	<0.05	40	7.6	24	1,100	1,690	48.6
5	28-Feb-14	13.4	8.2	16	3,960	5,140	<0.05	40	7.9	113	1,110	1,710	97.6
6	01-Mar-14	50.2	8.2	13	4,160	5,500	<0.05	20	8.1	31	3,540	4,900	40.5
7	27-Mar-14	10.8	8.1	10	4,310	5,750	<0.05	40	7.9	19	3,760	5,070	57.9
8	29-Mar-14	27.4	8.1	16	4,020	5,460	<0.05	20	7.9	26	2,640	3,700	67.9
9	01-Apr-14	24.6	8.2	23	3,610	5,060	<0.05	10	7.8	278	2,440	3,340	18.5
10	05-Apr-14	28.0	8.2	23	4,020	5,360	<0.05	20	8.1	21	3,220	4,370	49.1
11	06-Apr-14	0.0	8.2	24	3,620	4,960	<0.05	20	8.2	18	3,220	4,360	24.5
12	25-Apr-14	40.8	8.1	6	4,380	5,790	<0.05	40	8.1	17	3,290	4,370	164.0
13	26-Apr-14	7.8	8.2	9	4,200	5,530	<0.05	40	8.1	15	3,240	4,380	71.8
14	27-Apr-14	0.0	8.3	10	3,930	5,220	<0.05	5	8.1	15	3,210	4,360	16.4
15	30-May-14	19.0	8.1	6	4,550	5,690	<0.05	40	7.5	6	1,150	1,670	83.8
16	31-May-14	0.0	8.2	3	4,410	5,690	<0.05	40	8.1	12	3,910	5,160	68.7
17	02-Jun-14	24.0	8.4	6	3,500	4,890	<0.05	40	8.0	29	2,300	3,300	44.2
18	03-Jun-14	0.0	8.4	11	2,550	3,860	<0.05	20	8.3	41	2,870	4,200	27.8
19	04-Jun-14	0.0	8.4	16	2,630	3,920	<0.05	5	8.3	23	2,590	3,880	10.0
20	10-Jun-14	10.5	8.2	6	4,340	5,880	<0.05	10	8.0	11	2,270	3,230	15.2
21	26-Jul-14	19.4	7.9	3	4,040	5,820	<0.05	40	8.4	13	4,100	5,600	88.1
22	27-Jul-14	0.0	7.8	4	4,280	5,970	<0.05	40	8.4	13	4,040	5,650	69.9
23 *	17-Aug-14	24.4	8.2	3	4,200	5,780	<0.05	40	7.8	7	550	948	81.5
24 *	18-Aug-14	0.0	8.4	2	3,630	5,640	<0.05	40	8.3	20	3,880	5,600	83.2
25	19-Aug-14	27.6	8.5	4	3,940	5,370	<0.05	20	8.4	24	2,820	4,120	44.8
26	20-Aug-14	2.0	8.0	10	3,860	5,360	<0.05	20	8.4	15	3,140	4,430	21.6
27	21-Aug-14	1.0	8.0	12	3,580	4,750	<0.05	10	8.3	13	3,200	4,340	15.1

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28	27-Aug-14	32.8	8.2	13	4,370	5,820	<0.05	20	7.1	98	512	667	85.3
29	28-Aug-14	13.0	8.2	12	3,700	4,960	<0.05	20	8.0	34	2,150	2,960	50.3
30	29-Aug-14	0.0	8.3	16	3,470	4,740	<0.05	10	8.1	26	1,740	2,500	15.2
31	14-Oct-14	20.8	8.3	2	4,400	5,620	<0.05	40	7.6	23	688	1,040	90.1
32	15-Oct-14	33.8	8.2	1	4,330	5,560	<0.05	40	8.2	28	2,960	4,060	63.7
33	16-Oct-14	0.0	8.1	1	4,070	5,650	<0.05	30	8.4	11	3,800	5,230	38.6
34	17-Oct-14	0.0	8.4	1	4,050	5,710	<0.05	10	8.5	8	3,880	5,230	17.3
35	12-Dec-14	19.0	8.4	3	4,010	5,700	<0.05	40	7.1	4	278	454	56.7
	Max		8.5	24	4,640	5,970	<0.05	40	8.5	278	5,040	5,650	164
	Average		8.2	9	3,997	5,387	<0.05	28	8.0	31	2,733	3,757	54
	EPL Limit		6.5-8.5	30	-	6,000	1	40	-	-	-	-	-
							Total	990					

Note: * Denotes flow logger malfunction. Flow estimated based on data recorded for part of day.