

WATER DISCHARGE RESULTS 2023

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 2023													
			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	05-Jan-23	11.0	8.1	5	4,660	5,760	<0.01	40	7.7	10	3,960	4,680	50
2	07-Jan-23	21.4	8.3	8	4,640	5,680	<0.01	40	7.5	52	1,790	2,580	37
3	08-Jan-23	4.0	8.2	8	4,430	5,500	<0.01	30	7.9	18	4,680	5,520	31
4	09-Jan-23	0.0	8.3	8	4,400	5,530	<0.01	20	8.1	16	4,000	5,090	25
5	22-Jan-23	13.0	8.2	7	4,720	5,720	<0.01	40	7.9	9	4,510	5,370	33
6	30-Jan-23	16.8	8.1	7	4,770	5,860	<0.01	40	7.9	20	4,940	5,780	43
7	31-Jan-23	4.8	8.2	8	3,610	5,090	<0.01	35	8.1	11	4,020	5,190	33
8	22-Feb-23	31.6	7.9	6	4,470	5,780	<0.01	40	7.8	640	900	1,350	232
9	23-Feb-23	82.4	8.1	13	3,960	5,220	<0.01	40	7.6	21	1,910	2,570	68
10	24-Feb-23	3.2	8.0	5	3,600	4,790	<0.01	40	7.9	10	2,510	3,590	53
11	14-Mar-23	43.8	8.1	10	4,960	5,530	0.02	40	7.7	14	2,120	2,870	44
12	15-Mar-23	0.0	8.0	11	5,040	5,610	<0.01	40	7.7	15	4,570	5,100	46
13	16-Mar-23	0.0	8.1	8	3,800	4,680	0.01	30	8.0	8	4,090	4,810	34
14	24-Mar-23	31.0	8.0	8	5,020	5,590	<0.01	40	7.1	18	490	768	55
15	25-Mar-23	2.4	8.1	6	4,890	5,450	<0.01	40	7.9	10	4,890	5,370	68
16	26-Mar-23	4.8	8.1	10	4,630	5,220	<0.01	30	8.0	9	3,840	4,580	58
17	28-Mar-23	17.6	8.0	18	5,090	5,570	<0.01	30	7.5	17	1,720	2,210	55
18	29-Mar-23	7.4	8.2	22	4,170	4,960	<0.01	20	7.8	16	3,400	4,000	37
19	14-Apr-23	10.6	8.1	6	5,030	5,680	<0.01	40	7.8	66	1,530	2,050	33
20	21-Apr-23	10.2	8.0	8	5,330	5,800	<0.01	40	7.5	10	1,580	2,010	32
21	30-Apr-23	17.8	8.1	10	5,160	5,760	0.02	40	7.6	18	2,390	3,070	39
22	01-May-23	0.2	7.9	11	4,790	5,570	0.01	40	7.6	15	4,840	5,430	39
23	26-May-23	10.8	8.1	16	5,220	5,760	<0.01	40	7.8	21	1,770	2,450	27
24	15-Aug-23	11.4	7.8	5	4,910	5,650	0.02	40	7.3	15	620	965	31
25	05-Oct-23	11.0	8.0	5	4,850	5,780	<0.01	40	7.5	68	1,160	1,550	28
26	27-Oct-23	20.2	7.8	6	5,060	5,850	<0.01	40	7.4	24	730	1,150	36
27	28-Oct-23	14.2	8.0	6	4,760	5,660	<0.01	30	8.2	12	3,950	5,060	32
28	29-Oct-23	0.0	8.0	5	3,570	4,750	<0.01	30	8.3	10	3,690	4,900	31
29	06-Nov-23	31.4	7.7	17	5,290	5,880	0.02	30	7.4	25	770	1,140	38
30	07-Nov-23	0.0	7.8	24	4,780	5,710	0.02	30	7.9	14	5,220	5,850	32

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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	08-Nov-23	0.0	8.1	10	3,440	4,690	<0.01	30	8.0	17	4,130	5,110	41
32	10-Nov-23	32.6	8.1	7	4,970	5,810	<0.01	30	7.6	33	1,110	1,650	29
33	11-Nov-23	0.0	8.1	6	4,790	5,670	<0.01	20	8.2	14	3,600	4,630	35
34	12-Nov-23	0.0	8.0	16	3,210	4,410	<0.01	20	8.2	20	3,260	4,410	29
35	21-Dec-23	22.4	8.0	6	4,690	5,720	<0.01	40	7.7	14	1,350	2,040	33
36	22-Dec-23	0.4	8.0	7	4,760	5,680	0.01	30	7.7	7	5,020	5,630	32
37	23-Dec-23	0.0	7.9	10	4,220	5,230	<0.01	25	7.8	6	4,510	5,180	27
38	26-Dec-23	22.0	7.8	5	4,690	5,720	<0.01	30	7.7	16	2,260	3,140	40
39	27-Dec-23	0.0	7.8	5	4,570	5,600	<0.01	20	7.7	14	4,590	5,390	25
40	28-Dec-23	0.0	7.9	15	4,270	5,180	<0.01	30	7.8	16	4,360	5,120	33
41	31-Dec-23	21.6	7.9	18	4,830	5,650	<0.01	20	7.7	19	3,900	4,690	21
	Max		8.3	24	5,330	5,880	0.02	40	8.3	640	5,220	5,850	232
	Min		7.7	5	3,210	4,410	0.01	20	7.1	6	490	768	21
	Average		8.0	10	4,587	5,482	0.01	33	7.8	34	3,041	3,757	43
	EPL Limit		6.5-8.5	30	-	6,000	1	40	-	-	-	-	-