

WATER DISCHARGE RESULTS 2020

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 2020													
			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	07-Feb-20	44.6	8.1	2	4,140	5,740	<0.01	40	6.2	21	470	719	51
2	08-Feb-20	33.2	8.3	5	4,160	5,940	<0.01	40	7.9	14	3,050	4,220	323
3	09-Feb-20	79.6	8.1	5	4,070	5,830	<0.01	40	7.6	22	1,360	2,010	265
4	10-Feb-20	28.2	7.8	27	2,950	4,270	<0.01	40	7.5	21	1,230	2,020	133
5	11-Feb-20	22.0	8.2	30	2,290	3,300	<0.01	20	7.1	33	966	1,420	36
6	12-Feb-20	0.0	7.2	6	4,100	5,020	0.04	5	7.4	14	1,440	2,060	10
7	13-Feb-20	0.6	7.8	9	4,140	5,270	<0.01	5	7.2	11	1,630	2,350	10
8	19-Feb-20	18.8	7.9	3	4,460	5,670	0.01	20	6.7	9	1,140	1,580	32
9	20-Feb-20	0.0	7.8	27	3,500	4,620	0.02	10	7.5	9	3,360	4,300	24
10	06-Mar-20	29.0	8.0	8	4,410	5,560	0.01	40	7.2	7	4,020	3,220	72
11	07-Mar-20	20.6	8.0	7	4,240	5,420	<0.01	20	7.8	11	3,920	4,790	42
12	08-Mar-20	0.8	7.9	12	3,590	4,690	<0.01	20	7.8	7	3,550	4,470	27
13	09-Mar-20	0.0	8.3	13	3,560	4,670	<0.01	10	7.9	12	3,320	4,330	18
14	26-Mar-20	16.0	8.1	7	4,460	5,820	<0.01	35	7.1	12	982	1,420	42
15	27-Mar-20	4.0	8.0	10	4,540	5,840	0.08	20	7.8	8	5,220	5,370	36
16	29-Mar-20	11.0	8.0	14	3,660	4,990	<0.01	20	8.0	9	3,910	5,190	29
17	04-Apr-20	13.2	8.0	7	4,520	5,720	<0.01	30	7.9	7	3,980	4,880	32
18	27-Apr-20	14.8	8.0	5	4,400	5,690	<0.01	30	7.6	12	2,770	3,670	31
19	01-May-20	10.0	8.1	5	4,720	5,810	0.01	30	7.7	4	4,380	5,100	31
20	22-May-20	10.0	8.2	3	4,730	5,600	<0.01	40	7.7	14	3,190	4,040	31
21	26-May-20	24.4	8.1	3	4,790	5,760	0.02	40	7.7	7	2,160	2,990	36
22	27-May-20	0.0	8.1	2	3,700	5,060	0.02	30	8.1	4	5,270	6,350	31
23	28-May-20	0.0	8.1	22	3,890	4,710	<0.01	20	8.2	3	3,710	5,130	28
24	09-Jun-20	10.8	8.3	3	5,680	4,860	<0.01	25	7.8	13	3,250	2,700	37
25	15-Jun-20	16.2	8.3	2	5,520	4,740	<0.01	20	7.6	13	1,490	1,060	34
26	13-Jul-20	24.4	8.1	3	4,330	5,520	<0.01	40	7.4	11	970	1,400	49
27	14-Jul-20	11.6	8.3	3	4,680	5,400	<0.01	30	8.0	31	4,830	5,420	52
28	15-Jul-20	3.0	8.3	3	4,460	5,280	0.01	30	8.1	6	4,620	5,310	44

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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)
29	26-Jul-20	14.6	8.2	2	4,920	5,860	<0.01	40	8.6	35	1,670	2,810	311
30	27-Jul-20	70.6	8.2	13	5,020	5,770	0.06	40	7.2	60	804	1,040	199
31	28-Jul-20	23.4	8.2	6	1,160	1,460	<0.01	10	7.5	36	1,100	1,490	104
32	29-Jul-20	5.6	8.2	14	2,670	3,320	<0.01	30	7.2	27	530	762	61
33	30-Jul-20	0.2	7.4	6	1,270	1,580	<0.01	10	7.7	16	1,560	2,020	16
34	10-Aug-20	20.8	7.9	4	5,370	5,380	<0.01	40	7.3	7	1,100	1,510	56
35	11-Aug-20	1.4	7.9	5	5,220	5,400	<0.01	30	7.8	15	3,990	4,420	50
36	12-Aug-20	0.0	8.1	5	2,840	3,390	<0.01	20	7.9	10	3,130	3,690	40
37	10-Sep-20	11.0	8.1	2	4,920	5,620	<0.01	40	7.3	17	900	1,300	39
39	19-Oct-20	34.0	8.0	2	4,210	5,040	<0.01	40	7.5	44	850	1,270	36
38	21-Sep-20	10.4	8.1	2	5,130	5,810	<0.01	40	7.4	4	3,420	3,970	39
40	20-Oct-20	0.0	8.2	2	4,350	5,240	<0.01	40	8.0	4	4,240	5,020	40
41	21-Oct-20	0.0	7.9	2	3,940	4,860	<0.01	30	8.1	4	4,350	4,970	36
42	25-Oct-20	16.8	8.2	2	4,800	5,630	<0.01	30	8.0	7	3,620	4,490	86
43	26-Oct-20	19.4	8.3	2	3,880	4,810	<0.01	2	8.0	6	3,490	4,210	50
44	28-Oct-20	36.2	8.1	3	4,220	4,940	<0.01	20	7.1	12	574	825	93
45	29-Oct-20	29.2	8.2	4	3,520	4,150	<0.01	20	7.4	75	1,330	1,780	66
46	30-Oct-20	9.4	8.2	7	2,540	3,390	<0.01	10	7.7	14	1,950	2,480	34
47	31-Oct-20	2.4	8.2	6	2,530	3,280	<0.01	10	7.6	12	2,190	2,740	21
48	06-Nov-20	30.0	8.0	2	5,070	5,710	<0.01	10	7.2	24	678	1,020	27
49	07-Nov-20	0.0	8.0	2	4,940	5,670	<0.01	10	8.0	4	5,840	3,560	21
50	08-Nov-20	0.2	8.3	3	3,410	4,380	<0.01	10	7.9	3	3,040	3,820	17
51	14-Nov-20	10.0	8.0	2	4,900	5,770	<0.01	10	7.8	5	4,480	5,150	14
52	02-Dec-20	19.4	8.0	2	5,030	5,990	<0.01	40	7.5	22	1,670	2,340	35
53	03-Dec-20	0.0	8.1	2	4,650	5,760	<0.01	30	7.9	2	4,870	5,500	33
54	07-Dec-20	18.4	8.0	2	4,920	4,560	<0.01	20	7.7	15	3,320	4,180	27
55	16-Dec-20	22.8	7.7	6	4,960	5,730	0.02	30	7.6	8	1,860	2,490	42
56	17-Dec-20	0.0	8.0	5	5,130	5,910	<0.01	10	8.0	3	4,840	5,410	26
57	18-Dec-20	0.0	8.0	4	4,960	5,950	<0.01	10	8.0	4	4,720	5,470	24
58	22-Dec-20	45.6	7.9	8	4,840	5,580	0.02	10	7.4	16	566	842	37
59	23-Dec-20	0.0	7.9	7	5,060	5,510	<0.01	10	7.8	6	3,550	4,010	34

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DISCHARGE	DATE	RAINFALL (mm)	pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCT-ANCE (uS/cm)	IRON (mg/l)	DISCHARGE VOLUME (ML/day)	pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCT-ANCE (uS/cm)	FLOW FROM LOGGER (ML/day)
60	24-Dec-20	0.0	8.0	10	4,920	5,490	<0.01	10	7.9	7	3,530	4,080	30
61	31-Dec-20	10.0	7.9	8	4,780	5,430	<0.01	40	7.8	7	3,460	4,130	50
	Max		8.3	30	5,680	5,990	0.08	40	8.6	75	5,840	6,350	323
	Min		7.2	2	1,160	1,460	<0.01	2	6.2	2	470	719	10
	Average		8.0	7	4,226	5,068	0.03	25	7.6	14	2,744	3,284	55
	EPL Limit		6.5-8.5	30	-	6,000	1	40	-	-	-	-	-