

**BLAST RESULTS 2015**

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

**Monitoring Frequency:** Every blast  
**Airblast Overpressure Limit:** 120 dB(Lin Peak)  
**Ground Vibration Limit:** 10 mm/s



Shot No.	Date & Time	Blast Monitor Location											
		EPA ID No. 5 - Elliot's			EPA ID No. 4 - McNaughton's			EPA ID No. 3 - Mt Vincent Rd			EPA ID No. 6 - Richards		
		Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance
6548	13/01/2015 12.07pm	4.93	108.4	763	0.75	107.9	1555	0.2	88.5	3293	0.57	96.8	2099
6549	15/01/2015 10.05am	2.07	107.2	751	Fault *		1610	0.33	87	3316	0.37	89.2	2030
6550	16/01/2015 9.48am	1.48	102.1	811	0.27	102	1680	0.13	85.6	3267	0.24	87.4	1966
6551	21/01/2015 1.53pm	1.16	100.2	883	0.35	96	1655	0.38	90	3176	0.52	102.7	2027
6552	27/01/2015 10.25am	1.86	104.8	951	0.47	99.1	1729	0.27	87.3	3114	0.62	102.7	1967
6553	2/02/2015 10.55am	2.37	99.9	934	0.8	96.2	1891	0.35	94.3	3231	0.94	106.5	1746
6554	4/02/2015 1.40pm	0.81	109.7	934	0.27	108.9	1891	0.21	97.6	3231	0.47	105.8	1746
6555	11/02/2015 1.46pm	0.6	105.4	1153	0.4	101.9	1900	0.21	91.2	2923	0.57	108.3	1868
6556	12/02/2015 1.04pm	2.28	104.5	944	0.53	102.6	1930	0.34	83.1	3255	0.81	104.8	1700
6557	17/02/2015 1.48pm	1.58	106.7	944	0.59	101.9	1930	0.3	94.8	3255	0.85	105.6	1700
6558	18/02/2015 12.54pm	0.39	108.7	1684	0.19	113.3	1922	0.1	96.5	2466	0.12	110.7	2481
6559	20/02/2015 10.48am	DNR	DNR	1678	DNR	DNR	1935	0.11	92.9	2459	0.11	96.6	2451
6560	24/02/2015 1.25pm	DNR	DNR	1725	DNR	DNR	1754	0.06	94.7	2602	0.08	92.5	2779
6561	26/02/2015 1.47pm	DNR	DNR	1205	DNR	DNR	1897	0.03	82.4	2858	0.41	105.3	1919
6562	2/03/2015 1.49pm	DNR	DNR	1678	DNR	DNR	1935	0.09	92	2459	0.14	96.2	2451
6563	3/03/2015 11.39am	0.86	106.1	1196	0.47	101.7	2004	0.03	91.3	2916	0.76	96.2	1745
6564	6/03/2015 12.34pm	DNR	DNR	1436	DNR	DNR	1817	0.08	94.9	2653	0.06	83.8	2297
6565	6/03/2015 12.49pm	DNR	DNR	1233	DNR	DNR	2035	0.31	85.4	2883	1.1	90.2	1728
6566	10/03/2015 1.07pm	0.29	99.7	1701	0.28	103.4	1822	0.11	97.8	2539	0.26	98.5	2650
6567	11/03/2015 11.35am	0.34	110.5	1598	0.24	109.5	1858	0.11	92.7	2542	0.18	109.5	2451
6568	12/03/2015 1.09pm	DNR	DNR	1502	DNR	DNR	1729	0.08	95.1	2667	0.09	96.1	2506
6569	17/03/2015 1.49pm	1.56	99.7	714	0.24	96.2	1489	0.08	83	3339	0.2	97.3	2160
6570	19/03/2015 11.01am	0.79	98.8	714	0.19	96.5	1489	0.05	83	3339	0.16	91	2160
6571	20/03/2015 12.55pm	0.42	105.4	1451	0.3	107.1	1793	0.07	91.4	2655	0.11	93.1	2350
6572	24/03/2015 1.07pm	DNR	DNR	1451	DNR	DNR	1793	0.1	88.7	2655	0.13	93.8	2350
6573	26/03/2015 1.08pm	DNR	DNR	1451	DNR	DNR	1793	0.07	86.1	2655	0.08	92.5	2350
6574	2/04/2015 12.39pm	1.28	106.4	881	0.34	107.4	1634	0.12	89.2	3175	0.25	95.5	2052
6575	14/04/2015 1.11pm	0.65	110.2	947	0.26	104.1	1627	0.07	91.1	3106	0.13	96	2099
6576	17/04/2015 11.29am	0.48	101.6	856	0.18	97.6	1702	0.09	84.3	3220	0.18	97.6	1955
6577	17/04/2015 1.19pm	1.78	103.5	856	0.31	99.1	1702	0.1	91.4	3220	0.29	98.2	1955
6578	28/04/2015 12.36pm	1.2	104.1	867	0.43	106.5	1640	0.11	92.9	3191	0.23	98.5	2039
6579	18/05/2015 1.47pm	DNR	DNR	1314	DNR	DNR	2092	0.13	99.6	2801	0.4	112.1	1715
6580	20/05/2015 1.46pm	DNR	DNR	838	0.08	105	1548	0.03	86	3215	0.06	101.4	2139

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		EPA ID No. 5 - Elliot's			EPA ID No. 4 - McNaughton's			EPA ID No. 3 - Mt Vincent Rd			EPA ID No. 6 - Richards		
		Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance
6581	25/05/2015 1.39pm	DNR	DNR	776	DNR	DNR	1624	0.04	80.4	3290	0.09	75.5	2022
6582	26/05/2015 12.47pm	DNR	DNR	776	DNR	DNR	1624	0.02	83.9	3290	0.04	94.3	2022
6583	28/05/2015 1.36pm	DNR	DNR	776	DNR	DNR	1624	0.04	80.2	3290	0.03	78.7	2022
6584	3/06/2015 11.48am	DNR	DNR	776	DNR	DNR	1624	0.09	95.6	3290	0.22	98	2022
6585	11/06/2015 11.21am	DNR	DNR	776	DNR	DNR	1624	0.07	99.9	3290	0.11	103.2	2022
6586	16/06/2015 11.48am	0.76	108.8	1001	0.26	108.5	1750	0.15	91.8	3061	0.2	93.7	1970
6587	22/06/2015 1.05pm	0.91	105.2	995	0.27	105.6	1683	0.09	90.2	3058	0.18	93.1	2057
6588	25/06/2015 12.48pm	DNR	DNR	1688	DNR	DNR	1748	0.06	88.9	2608	0.09	92.7	2732
6589	29/06/2015 1.06pm	DNR	DNR	1688	DNR	DNR	1748	0.08	87.9	2608	0.06	95.3	2732
6590	2/07/2015 1.10pm	DNR	DNR	1647	DNR	DNR	1808	0.03	89.8	2561	0.05	91.6	2592
6591	6/07/2015 1.13pm	DNR	DNR	1505	DNR	DNR	1737	0.06	107.5	2660	0.1	91.7	2497
6592	7/07/2015 1.10pm	DNR	DNR	1693	DNR	DNR	1940	0.05	94.4	2450	0.08	93.6	2468
6593	8/07/2015 12.15pm	DNR	DNR	1488	DNR	DNR	1751	0.08	92.1	2659	0.07	95.4	2457
6594	9/07/2015 9.22am	DNR	DNR	1488	DNR	DNR	1751	0.04	93	2659	0.04	98.4	2457
6595	10/07/2015 12.41pm	DNR	DNR	1524	DNR	DNR	1856	0.06	89.9	2581	0.05	83.9	2354
6596	15/07/2015 1.12pm	DNR	DNR	1497	DNR	DNR	1789	0.07	89.4	2631	0.06	90.8	2413
6597	16/07/2015 12.58pm	DNR	DNR	974	DNR	DNR	1739	0.03	94.8	3090	0.05	85.2	1968
6598	21/07/2015 1.13pm	DNR	DNR	1531	DNR	DNR	1837	0.03	82.9	2587	0.04	93.6	2390
6599	22/07/2015 12.24pm	DNR	DNR	950	DNR	DNR	1668	0.03	93.1	3104	0.05	99.8	2048
6600	27/07/2015 12.42pm	DNR	DNR	1624	DNR	DNR	1886	0.04	83.7	2513	0.05	91.7	2446
6601	28/07/2015 12.25pm	DNR	DNR	1593	DNR	DNR	1702	0.04	91.8	2661	0.06	98.1	2661
6602	31/07/2015 12.44pm	DNR	DNR	835	DNR	DNR	1604	0.03	88.8	3220	0.06	94.3	2068
6603	4/08/2015 12.15pm	DNR	DNR	916	DNR	DNR	1627	0.05	90.7	3137	0.05	91.9	2081
6604	6/08/2015 1.15pm	DNR	DNR	947	DNR	DNR	1699	0.03	91.5	3112	0.04	86.6	2005
6605	7/08/2015 1.12pm	DNR	DNR	984	DNR	DNR	1705	0.03	97.7	3072	0.04	88.3	2019
6606	13/08/2015 1.56pm	3.61	104.9	760	0.46	104.5	1455	0.12	86.1	3297	0.36	88.7	2214
6607	14/08/2015 12.07pm	3.8	103.1	743	0.62	101.3	1495	0.21	82.8	3310	0.53	88.4	2162
6608	17/08/2015 11.41am	3.03	108.5	755	0.44	102.8	1560	0.22	80.9	3301	0.38	86.7	2090
6609	18/08/2015 10.04 am	2.92	101.5	769	0.5	102.5	1608	0.15	87	3294	0.43	87.1	2038
6610	19/08/2015 10.09am	2.2	104.1	827	0.49	101.1	1525	0.14	85.7	3227	0.57	94.9	2161
6611	19/08/2015 12.29pm	1.43	111.6	789	0.67	108.3	1657	0.14	89.6	3286	0.31	103.4	1986
6612	20/08/2015 1.01pm	1.25	101.3	789	0.32	91.7	1657	0.16	80.7	3286	0.32	91.7	1986
6613	21/08/2015 11.49am	0.98	101.6	869	0.24	103.4	1633	0.17	92.1	3188	0.31	89.6	2048

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		Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance
6614	28/08/2015 12.11pm	1.43	109.5	923	0.23	113.3	1647	0.15	91.4	3132	0.41	92	2058
6615	31/08/2015 11.50am	0.93	107.6	950	Fault *		1724	0.2	89.9	3114	0.49	93.2	1974
6616	1/09/2015 12.12pm	1.02	108.3	965	0.29	112.6	1652	0.11	84.4	3089	0.38	90.1	2077
6617	2/09/2015 12.03pm	0.59	108.3	1017	0.14	109.1	1719	0.26	90.3	3038	0.39	98.2	2023
6618	9/09/2015 10.54am	1.08	102	1731	0.76	102.3	1908	0.3	95.6	2461	0.81	86.8	2572
6619	11/09/2015 11.40am	1.41	99.8	1703	0.77	102	1894	0.35	89.8	2479	0.66	96.3	2551
6620	14/09/2015 12.35pm	0.75	98	1704	0.67	99.4	1895	0.21	98.1	2478	0.53	95.1	2551
6621	16/09/2015 1.32pm	1.21	98.5	1654	0.73	99.8	1871	0.45	96.3	2512	0.82	97.4	2513
6622	30/09/2015 10.54am	DNR	DNR	1626	0.6	99.9	1853	0.87	93.7	2535	0.9	93.9	2498
6623	1/10/2015 1.39pm	1.03	100.3	1593	0.84	102.3	1845	0.41	84.3	2553	0.6	94.6	2464
6624	6/10/2015 12.25pm	1.01	99.8	1563	0.71	102	1832	0.38	88.7	2574	0.97	89.5	2441
6625	8/10/2015 11.07am	0.84	99.4	1528	0.8	102.4	1817	0.37	94.9	2600	0.77	98.7	2414
6626	9/10/2015 10.56am	0.69	101	1487	0.78	103.8	1801	0.41	85.5	2630	0.96	91.8	2384
6627	13/10/2015 10.04am	1.36	99.2	1447	1.00	101.9	1787	0.33	94.5	2660	0.68	98.3	2354
6628	14/10/2015 12.27pm	1.9	104	1434	0.67	105.1	1696	0.48	97.4	2717	0.94	99.9	2465
6629	15/10/2015 9.42am	4.52	104	744	0.59	105.3	1443	0.4	91.1	3313	0.35	98.8	2222
6630	16/10/2015 9.46 am	3.81	103.9	749	0.64	104.2	1482	0.22	90.2	3305	0.33	93.1	2179
6631	16/10/2015 1.05 pm	0.43	103.2	1490	0.48	105	1722	0.27	86.5	2676	0.37	95.6	2499
6632	19/10/2015 11.52am	1.32	106	838	0.33	103	1520	0.24	94.3	3217	0.4	98.5	2172
6633	22/10/2015 9.57am	4.16	105	831	0.57	101.6	1542	0.29	80.3	3222	0.53	94.8	2142
6634	30/10/2015 12.03pm	3.74	101.2	862	0.55	98.6	1592	0.25	97.3	3191	0.83	99.9	2096
6635	3/11/2015 11.51am	3.23	104.4	837	0.73	107.1	1619	0.27	92.9	3221	0.75	98.8	2051
6636	9/11/2015 1.16pm	DNR	DNR	993	0.06	103.6	1665	0.2	81.5	3060	0.51	84.5	2079
6637	10/11/2015 12.12pm	0.8	99.8	1604	0.87	100.2	1742	0.3	89.1	2626	0.45	91.4	2623
6638	23/11/2015 1.48pm	1.09	118.6	1044	0.44	115.6	1836	0.24	87.1	3036	0.66	93.6	1878
6639	27/11/2015 10.54am	1.37	108	965	0.33	103.3	1823	0.18	95.9	3135	0.39	104.9	1849
6640	27/11/2015 1.12pm	1.01	104	1051	0.31	101.9	1787	0.33	95.2	3012	0.58	104.1	1953
6641	2/12/2015 10.55am	0.94	106.7	889	0.28	103.9	1796	0.15	95.2	3224	0.39	103.6	1850
6642	7/12/2015 12.22pm	1.03	101.9	919	0.4	105.5	1843	0.17	101.8	3213	0.43	104.3	1802
6643	9/12/2015 1.09pm	0.9	107.6	950	0.28	104	1887	0.21	85	3202	0.36	92.5	1757
6644	14/12/2015 11.40am	DNR	DNR	799	DNR	DNR	1600	0.02	87.6	3260	0.03	86.5	2058
6645	15/12/2015 12.00pm	0.63	105.7	1126	0.30	103.6	1964	0.22	95.7	2992	0.59	103.3	1749
6646	16/12/2015 9.59am	DNR	DNR	799	DNR	DNR	1610	0.02	86.5	3262	0.03	87.1	2046

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				Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance
6647		18/12/2015 11.46am		0.99	105.7	946	0.32	104	1929	0.21	84.7	3252	0.55	97	1701
6648		22/12/2015 1.58pm		DNR	DNR	895	DNR	DNR	1607	0.02	94.2	3158	0.04	106	2095

DNR - Did not register. Blast too small to trigger monitor.

\* Logger failure