

**BLAST RESULTS 2013**

**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											
		Elliot's Residence			McNaughton's Residence			Mt Vincent Rd Residence			Richards Residence		
		Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance
6346	10.01.2013 10.03am	2.41	106.9	943	0.82	93.2	1739	0.55	96.1	2959	1.16	109.4	2078
6347	11.01.2013 1.46pm	DNR	DNR	837	DNR	DNR	1411	DNR	DNR	3085	0.08	91.4	2429
6348	15.01.2013 1.51pm	DNR	DNR	896	DNR	DNR	1477	DNR	98.3	3016	0.08	107.4	2377
6349	16.01.2013 1.24pm	DNR	DNR	805	DNR	DNR	1459	DNR	DNR	3097	0.07	84.7	2364
6350	17.01.2013 1.51pm	DNR	DNR	1155	DNR	DNR	1652	Fault*		2761	0.07	89.7	2315
6351	21.01.2012 9.52am	DNR	DNR	873	DNR	DNR	1508	DNR	96.1	3027	0.08	103.3	2332
6352	24.01.2013 1.51pm	DNR	DNR	1075	DNR	DNR	1686	DNR	97.3	2880	0.09	102.3	2100
6353	25.01.2013 9.18am	DNR	DNR	1210	DNR	DNR	1640	DNR	DNR	2692	0.07	97.7	2330
6354	25.01.2013 1.48pm	DNR	DNR	1279	DNR	DNR	1602	DNR	97.7	2698	0.07	99.1	2370
6355	31.01.2013 1.35pm	0.36	103	878	0.09	103.6	1881	0.07	91.3	3067	0.13	95	1692
6356	4.02.2013 11.11am	DNR	DNR	1806	DNR	DNR	1895	0.09	101.6	2398	0.09	99.7	2748
6357	5.02.2013 1.51pm	DNR	DNR	1739	DNR	DNR	1972	0.08	100.5	2280	0.09	96	2517
6358	6.02.2013 2.03pm	DNR	DNR	1530	DNR	DNR	1920	0.16	103.9	2401	0.16	106.6	2310
6359	7.02.2013 1.46pm	DNR	DNR	1852	DNR	DNR	2015	0.1	93.3	2371	0.1	95.6	2675
6360	8.02.2013 1.23pm	DNR	DNR	2040	DNR	DNR	2290	0.11	93.3	2051	0.12	94.6	2612
6361	11.02.2013 9.57am	DNR	DNR	1910	DNR	DNR	2114	0.09	100.4	2198	0.1	97.9	2662
6362	13.02.2013 1.50pm	DNR	DNR	1750	DNR	DNR	1793	0.08	102.9	2794	0.07	104.4	2650
6363	14.02.2013 1.50pm	DNR	DNR	1750	DNR	DNR	2065	0.11	98.7	2390	0.12	94.1	2370
6364	15.02.2013 9.37am	DNR	DNR	1857	DNR	DNR	1967	0.11	98.7	2695	0.09	102	2267
6365	15.02.2013 12.17pm	DNR	DNR	1942	DNR	DNR	2137	0.08	92.5	2561	0.1	97.8	2099
6366	19.02.2013 10.13am	DNR	DNR	1792	DNR	DNR	1933	0.1	105.5	2649	0.09	100.7	2302
6367	19.02.2013 2:33pm	DNR	DNR	1795	DNR	DNR	2027	0.08	93.1	2505	0.08	95.7	2218
6368	20.02.2013 10.10am	DNR	DNR	1901	DNR	DNR	2054	DNR	83.8	2630	DNR	80.3	2181
6368	21.02.2013 10:55am	DNR	DNR	772	DNR	DNR	1748	0.07	93.8	2041	0.07	102.6	3187
6369	27.02.2013 1.00pm	1.11	102	1250	0.47	104.6	1650	0.46	85.8	2780	0.58	98.1	2402
6370	27.02.2013 1.55pm	DNR	DNR	1835	DNR	DNR	2010	0.09	100.1	2594	0.1	98.5	2226
6371	28.02.2013 1.47pm	DNR	DNR	1786	DNR	DNR	1967	0.08	92.6	2586	0.09	92.6	2270
6373	7.03.2013 9.55am	DNR	DNR	1775	DNR	DNR	1981	0.09	90.2	2593	0.07	92.9	2256
6374	8.03.2013 11.50am	2.4	93.3	1250	0.61	103.4	1650	0.71	88	2780	1.04	101.6	2402
6375	12.03.2013 10.19am	DNR	DNR	950	DNR	DNR	1706	0.09	97.4	2837	0.12	113.9	2031
6376	19.03.2013 1.46pm	2.3	102.9	791	0.59	110.1	1602	0.27	101.8	2251	0.86	113.9	3124
6377	20.03.2013 1.49pm	0.51	88.6	2040	0.43	103.8	2290	0.41	106.9	2051	0.38	105.1	2612
6378	21.03.2013 12.24pm	0.47	93	873	0.58	102.1	1508	0.34	95.1	3027	0.4	97.6	2332

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Shot No.		Date & Time		Blast Monitor Location											
				Elliot's Residence			McNaughton's Residence			Mt Vincent Rd Residence			Richards Residence		
				Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance
6379	26.03.2013 1.29pm	0.33	95.6	1852	0.53	104.1	2015	0.44	96.9	2371	0.36	100.7	2675		
6380	27.03.2013 1.08pm	0.71	92.6	1750	0.69	101	2065	0.23	98.4	2390	0.28	98.7	2370		
6381	12.04.2013 10.20am	0.55	93.7	1832	0.46	103.2	2008	0.45	96.4	2589	0.41	100.2	2215		
6382	15.04.2013 1.49pm	0.35	89.2	1757	0.35	100.5	1921	0.19	100.5	2315	0.27	95.1	2613		
6383	23.04.2013 10.12am	1.47	97.1	1046	0.46	113.1	1651	0.32	88	2850	0.49	88.9	2241		
6384	23.04.2013 1.34pm	DNR	DNR	1628	DNR	DNR	1981	0.15	100.3	2314	0.16	88.2	2337		
6385	24.04.2013 10.20am	1.17	99.5	1190	0.54	111.1	1529	0.42	93.7	2796	0.62	92.6	2504		
6386	30.04.2013 1.53pm	1.78	99.2	1152	0.54	112.6	1643	0.41	89.9	2766	0.7	98.8	2326		
6388	1.05.2013 1.25pm	DNR	DNR	1757	DNR	DNR	2063	0.22	88.8	2205	0.24	95.6	2389		
6389	3.05.2013 1.21pm	DNR	DNR	1654	DNR	DNR	1934	0.13	99.2	2331	0.14	101.2	2447		
6390	7.05.2013 11.02am	DNR	DNR	1811	DNR	DNR	1679	0.11	99.1	2348	0.16	99	2444		
6391	9.05.2013 1.21pm	DNR	DNR	1430	DNR	DNR	1793	0.09	96.6	2520	0.12	102.5	2380		
6392	9.05.2013 1.21pm	2.71	106	852	0.44	105.9	1569	0.32	97	3039	0.91	105.8	2252		
6393	22.05.2013 11.15am	DNR	DNR	1433	DNR	DNR	1700	0.14	103.5	2575	Fault*		2515		
6394	22.05.2013 11.28am	DNR	DNR	1777	DNR	DNR	1999	0.15	96.5	2245	Fault*		2523		
6395	30.05.2013 2.02pm	DNR	DNR	1918	DNR	DNR	2107	0.19	93.8	2129	0.17	91.7	2570		
6396	31.05.2013 1.49pm	DNR	DNR	1811	DNR	DNR	2696	0.14	94.8	2314	Fault*		2696		
6397	03.06.2013 1.50pm	DNR	DNR	739	DNR	DNR	1672	0.13	98.3	3187	DNR	DNR	2117		
6398	04.06.2013 12.31pm	1.89	100.2	821	0.58	103.1	1630	0.34	95.3	3074	DNR	DNR	2173		
6399	08.06.2013 10.40am	DNR	DNR	1920	DNR	DNR	2080	0.19	99.7	2155	0.2	101.1	2619		
6400	08.06.2013 10.40am	DNR	DNR	1809	DNR	DNR	1988	0.19	99.7	2250	0.2	101.1	2590		
6401	12.06.2013 1.25pm	0.22	95	1886	0.35	108.7	1996	0.5	96.5	2240	0.32	95.3	2697		
6402	18.06.2013 11.09am	DNR	DNR	1808	DNR	DNR	1861	Fault*	88.6	2378	0.19	91.9	2782		
6403	18.06.2013 1.47pm	0.28	89.8	1782	0.2	104.3	1902	Fault*	93.7	2333	0.28	89.8	2681		
6404	20.06.2013 1.52pm	DNR	DNR	1749	DNR	DNR	1791	Fault*	94.8	2447	0.17	93.8	2796		
6405	24.06.2013 1.44pm	DNR	DNR	756	DNR	DNR	1673	Fault*	95.5	3165	0.13	98	2117		
6406	25.06.2013 1.47pm	0.61	97.3	1360	0.34	103.8	1827	Fault*	93.9	2552	0.92	98.3	2255		
6407	27.06.2013 12.35pm	DNR	DNR	791	DNR	DNR	1686	0.07	101.7	3126	0.09	110.7	2105		
6408	3/07/2013 1.54pm	DNR	DNR	1161	DNR	DNR	1590	0.09	86.6	2781	Fault*	94.3	2403		
6409	8/07/2013 1.34pm	DNR	DNR	1035	DNR	DNR	1647	0.07	91.6	2860	Fault*	102.4	2241		
6410	11/07/2013 2.01pm	DNR	DNR	960	DNR	DNR	1755	0.08	99.9	2943	0.12	107.9	2065		
6411	15/07/2013 1.49pm	DNR	DNR	1627	DNR	DNR	1780	0.11	95.8	2460	0.11	101.7	2642		
6412	18/07/2013 1:41pm	1.14	103.9	858	0.3	106.3	1721	0.37	90.8	3056	0.67	100.9	2077		

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				Elliot's Residence			McNaughton's Residence			Mt Vincent Rd Residence			Richards Residence		
				Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance	Vibration (mm/s)	Airblast (dB)	Distance
6413	23/07/2013 1.10pm	0.76	103.2	1276	0.27	106	1840	0.31	90.4	2617	0.66	95.5	2154		
6414	23/07/2013 1.26pm	0.6	109.5	1032	0.27	108.3	1831	0.15	91.1	2880	0.35	103	1998		
6415	25/07/2013 1.49pm	1.42	104.4	919	0.34	107.9	1618	0.28	95.1	2971	0.58	103.8	2219		
6416	30/07/2013 12.43pm	1.87	104.9	927	0.38	102.5	1674	0.42	91.1	2965	0.44	98.9	2154		
6417	30/07/2013 1.01pm	1.14	110	931	0.54	113.6	1784	0.27	100.1	2988	0.92	102	2021		
6418	1/08/2013 12.01pm	DNR	DNR	1017	DNR	DNR	1797	0.09	99.5	2886	0.15	108.8	2036		
6419	1/08/2013 1.46pm	DNR	DNR	1617	DNR	DNR	1923	0.07	87.1	2354	0.07	90.7	2415		
6420	7/08/2013 11.02am	0.69	107.4	939	0.22	104.7	1655	0.3	93.9	2952	0.56	106.2	2181		
6421	7/08/2013 11.19am	2.9	115	868	0.57	112.5	1858	0.44	99.9	3130	1.59	106.4	1931		
6422	15/08/2013 12.52pm	1.16	115.6	1087	0.7	118.2	1738	0.82	103.4	2803	1.48	105.9	2153		
6423	15/08/2013 1.17pm	1.56	105.3	1011	0.81	108.6	1974	0.27	85.3	3007	0.94	106	1817		
6424	21/08/2013 1.03pm	1.71	115.9	914	0.51	104.6	1925	0.27	91.7	3124	0.62	100.8	1865		
6425	21/08/2013 1.29pm	0.325	106.1	1981	0.497	108.2	2103	0.34	97.8	2133	0.46	96.3	2682		
6426	27/08/2013 12.36pm	1.04	109.9	1210	0.389	108.6	1775	0.66	94.7	2686	1.15	97.7	2191		
6427	02/09/2013 1.22pm	0.47	101.9	1895	0.4	103.3	2023	0.3	105.5	2212	0.37	103.7	2669		
6428	03/09/2013 2.09pm	0.52	104	1054	0.71	103.9	1722	0.36	92.9	2836	0.82	109.1	2154		
6429	04/09/2013 12.30pm	0.4	107.4	1895	0.33	110.7	2075	0.32	97.8	2161	0.29	98.2	2586		
6430	05/09/2013 11.30pm	0.61	104.8	1882	0.5	105.1	2097	0.28	94.5	2143	0.28	95.8	2529		
6431	12/09/2013 10.40am	0.5	102.1	1802	0.78	106.3	1833	0.34	96.5	2408	0.42	95.1	2814		
6432	12/09/2013 1.07pm	0.21	98.3	1817	0.2	104.5	2002	0.19	93.2	2236	0.16	94.1	2580		
6433	13/09/2013 10.11am	0.72	100.5	1756	0.89	106.9	1809	0.26	99.4	2427	0.29	94.7	2780		
6434	25/09/2013 11.06am	DNR	DNR	780	DNR	DNR	1678	0.08	105	3136	0.12	101.1	2113		
6435	27/09/2013 9.55am	0.47	108	1286	0.854	104.1	1594	0.34	88.2	2709	0.52	93.9	2507		
6436	27/09/2013 10.10am	DNR	DNR	816	DNR	DNR	1661	0.08	105.9	3087	0.14	103.7	2136		
6437	2/10/2013 11.13am	0.86	103.5	1421	0.83	104.6	1753	0.25	92.7	2548	0.27	95.1	2429		
6438	4/10/2013 10.43am	0.42	103.2	1680	0.3	103	1923	0.23	100	2330	0.41	98.9	2501		
6439	8/10/2013 10.56am	0.39	101.1	1480	0.4	104	1781	0.22	98.7	2503	0.34	97.6	2456		
6440	9/10/2013 1.45pm	0.3	101.9	1716	0.33	104.5	1804	0.3	93	2431	0.32	96	2730		
6441	11/10/2013 9.57am	0.6	102.9	1542	0.56	100.1	1808	0.32	99.1	2459	0.46	103.8	2491		
6442	15/10/2013 10.57am	0.39	102.2	1664	0.36	106.8	1871	0.22	93.9	2375	0.29	96.8	2558		
6443	18/10/2013 10.22am	0.4	99.6	1673	0.33	103	1863	0.27	99.2	2380	0.29	106.8	2583		
6444	25/10/2013 10.17am	0.31	106.7	1245	0.17	107	1782	0.26	96.5	2654	0.38	97.2	2211		
6445	25/10/2013 1.09pm	0.31	104.8	1976	0.33	102	2102	0.22	98.5	2135	0.21	96.3	2676		

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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
6446	30/10/2013 10.58am	0.27	95.7	1927	0.28	94.7	2059	0.2	99.5	2176	0.16	92.2	2664
6447	31/10/2013 10.46am	DNR	DNR	1923	DNR	DNR	2103	0.15	88.5	2260	0.07	93.1	2582
6448	1/11/2013 9.49am	0.39	95.7	1770	0.42	98.5	1983	0.23	95.4	2393	0.11	94.7	2517
6449	5/11/2013 12.30pm	0.3	99.3	1864	0.5	100.5	1974	0.16	99	2382	0.11	95.7	2680
6450	6/11/2013 1.50pm	DNR	DNR	1810	DNR	DNR	1970	0.11	94.8	2393	0.16	101.2	2600
6451	7/11/2013 9.54am	0.3	106.9	970	0.3	107.7	1651	0.08	91.7	3083	0.13	92.3	2081
6452	14/11/2013 1.33pm	0.64	109.3	1095	0.24	114.8	1831	0.12	93.8	2803	0.27	98.5	2032
6453	15/11/2013 10.42am	3.73	103.5	778	0.61	99.4	1666	0.41	95.2	3134	0.55	103.5	2125
6454	25/11/2013 10.49am	0.35	114.8	905	0.15	112.3	1652	0.1	98.1	3304	0.18	104.5	2040
6455	25/11/2013 1.14pm	DNR	DNR	792	DNR	DNR	1693	0.41	108.1	3298	0.47	108.1	1942
6456	5/12/2013 9.27am	0.35	106.4	1782	0.32	104.4	1834	0.13	101.3	2403	0.16	100.4	2782
6457	9/12/2013 10.04am	DNR	DNR	1771	DNR	DNR	1986	0.05	96.9	2257	0.04	94	2535
6458	10/12/2013 9.43am	DNR	DNR	1773	DNR	DNR	2002	0.03	97	2378	0.05	95.5	2398
6459	12/12/2013 10.13am	DNR	DNR	1790	DNR	DNR	2001	0.12	96.5	2373	0.06	102.9	2520
6460	18/12/2013 11.45am	1.82	102.6	1094	0.5	102	1810	0.28	103.2	2967	0.45	105.7	1951

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

\* Logger failure