

## Appendix 6

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# BLAST MONITORING RESULTS

**Sunnyside Coal Mine**  
**Environmental Blast Monitoring**

Consent Criteria = 5mm/s and 115 dbL

SHOT NO.	DATE	MONITOR LOCATION	PEAK GROUND PRESSURE (mm/s)	PEAK OVERPRESSURE (dbL)	TIME
1	18/Nov/08	Ivanhoe	0.91	110.7	1:44:48 PM
1	18/Nov/08	Plain View	0.86	107.8	1:44:58 PM
1	18/Nov/08	Illilli	0.56	107.4	1:42:25 PM
2	25/Nov/08	Innisvale	0.40	103.2	3:10:59 PM
2	25/Nov/08	Plain View	DNT	DNT	DNT
2	25/Nov/08	Illilli	0.61	105.5	3:10:48 PM
3	28/Nov/08	Ivanhoe	0.65	96.7	9:59:16 AM
3	28/Nov/08	Plain View	0.50	112.3	9:59:16 AM
3	28/Nov/08	Illilli	1.24	100.9	9:59:07 AM
4	28/Jan/09	Illilli	0.10	112.0	9:59:26 AM
4	28/Jan/09	Ivanhoe	DNT	DNT	DNT
4	28/Jan/09	Plain View	DNT	DNT	DNT
5	09/Mar/09	Ivanhoe	0.28	109.4	2:04:23 PM
5	09/Mar/09	Innisvale	0.33	109.7	2:04:29 PM
6	06/Apr/09	Illilli	0.35	97.4	1:53:19 PM
6	06/Apr/09	Ivanhoe	DNT	DNT	DNT
6	06/Apr/09	Plain View	DNT	DNT	DNT
7	11/Jun/09	Innisvale	0.30	97.0	12:21:02 PM
7	11/Jun/09	Ivanhoe	0.53	99.6	12:20:57 PM
7	11/Jun/09	Plain View	0.53	109.3	12:12:21 AM
8	18/Jun/09	Illilli	0.35	106.7	2:58:16 PM
8	18/Jun/09	Ivanhoe	0.37	96.4	2:57:20 PM
8	18/Jun/09	Plain View	DNT	DNT	DNT
9/10	21/Aug/09	Innisvale	0.61	111.0	10:06:36 AM
9/10	21/Aug/09	Ivanhoe	0.97	111.8	10:07:46 AM
9/10	21/Aug/09	Plain View	0.51	111.5	10:06:49 AM
11	24/Nov/09	Innisvale	DNT	DNT	DNT
11	24/Nov/09	Ivanhoe	DNT	DNT	DNT
11	24/Nov/09	Plain View	DNT	DNT	DNT
11	24/Nov/09	Illilli	0.43	109.6	12:11:41 PM
12	18/Dec/09	Innisvale	1.09	101.9	12:07:40 PM
12	18/Dec/09	Ivanhoe	1.70	107.0	12:05:20 PM
12	18/Dec/09	Plain View	1.16	101.9	12:05:34 PM
12	18/Dec/09	Illilli	0.05*	114.1	12:05:50 PM
13	11/Feb/10	Innisvale	DNT	DNT	DNT
13	11/Feb/10	Ivanhoe	DNT	DNT	DNT
13	11/Feb/10	Plain View	0.91	107.4	12:06:42 PM
13	11/Feb/10	Illilli	0.41	106.5	12:05:52 PM
14	17/Apr/10	Innisvale	0.96	108.6	12:01:29 PM
14	17/Apr/10	Ivanhoe	2.04	110.1	11:57:36 AM
14	17/Apr/10	Plain View	2.39	96.3	12:03:38 PM
14	17/Apr/10	Illilli	0.61	114.8	11:59:07 AM
15	23/Jun/10	Innisvale	1.10	102.4	12:13:47 PM
15	23/Jun/10	Ivanhoe	1.54	114.1	12:13:59 PM
15	23/Jun/10	Plain View	DNT	DNT	DNT
15	23/Jun/10	Illilli	0.09	114.8	12:15:17 PM

SHOT NO.	DATE	MONITOR LOCATION	PEAK GROUND PRESSURE (mm/s)	PEAK OVERPRESSURE (dBL)	TIME
16	09/Jul/10	Innisvale	0.42	100.8	10:04:11 AM
16	09/Jul/10	Ivanhoe	DNT	DNT	DNT
16	09/Jul/10	Plain View	1.11	103.2	10:04:27 AM
16	08/Jul/10	Illili	1.60	99.1	10:04:29 AM
17	12/Aug/10	Innisvale	DNT	DNT	DNT
17	12/Aug/10	Ivanhoe	DNT	DNT	DNT
17	12/Aug/10	Plain View	0.18	110.3	11:57:01 AM
17	12/Aug/10	Illili	0.52	108.0	11:56:56 AM
18	01/Sep/10	Innisvale	0.52	101.4	11:59:00 AM
18	01/Sep/10	Ivanhoe	0.53	103.6	12:02:42 PM
18	01/Sep/10	Plain View	DNT	DNT	DNT
18	01/Sep/10	Illili	DNT	DNT	DNT
20	30/Sep/10	Innisvale	0.58	105.6	12:00:08 PM
20	30/Sep/10	Ivanhoe	0.83	86.6	12:04:38 PM
20	30/Sep/10	Plain View	1.20	92.5	12:00:53 PM
20	30/Sep/10	Illili	0.47	87.5	11:58:03 AM
21	22/Nov/10	Innisvale	0.66	108.4	15:04:15 PM
21	22/Nov/10	Ivanhoe	No access to property - monitor not set		
21	22/Nov/10	Plain View	DNT	DNT	DNT
21	22/Nov/10	Illili	0.45	107.9	15:05:12 PM
22	24/Nov/10	Innisvale	DNT	DNT	DNT
22	24/Nov/10	Plain View	0.76	100.2	12:14:40 PM
22	24/Nov/10	Illili	DNT	DNT	DNT
22	24/Nov/10	Ivanhoe	DNT	DNT	DNT

\* Orica believes the monitor was triggered by something other than the blast. This assumption is based on the high overpressure and very low ground pressure