Dust

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 1 <McLintocks Shed>
Dust monitoring, Dust gauge located on private property to the west of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Particulates (g/m^2/mth)	Comments
Monthly	27/01/2015	11/02/2015	19/02/2015	4.1	
Monthly	27/02/2015	16/03/2015	19/03/2015	9.9	
Monthly	27/03/2015	23/04/2015	20/05/2015	2.9	
Monthly	01/05/2015	28/05/2015	19/06/2015	3.8	
Monthly	28/05/2015	22/06/2015	16/07/2015	5.5	
Monthly	26/06/2015	13/08/2015	20/08/2015	4.2	
Monthly	29/07/2015	31/08/2015	15/09/2015	1.6	
Monthly	01/09/2015	11/09/2015	15/09/2015	1.0	
Monthly	29/09/2015	14/10/2015	21/10/2015	1.5	
Monthly	30/10/2015	13/11/2015	18/11/2015	2.4	
Monthly	02/12/2015	04/01/2016	20/01/2016	2.1	
Monthly	06/01/2016	29/01/2016	09/02/2016	3.2	

Frequency	Date Sampled	Date Obtained	Date Published	Aluminium (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)	Zinc (mg/kg)	Comments
Six Monthly	27/01/2015	11/02/2015	19/02/2015	9330	5.6	71	660	6.8	2.5	3240	
Six Monthly	27/03/2015	23/04/2015	20/05/2015	5530	2.4	0.33	92	3	0.038	120	The comparison of some metals results for 2015 and 2014 are unusual. As such a further metals analysis will be performed on the next available sample.
Six Monthly	26/06/2015	14/07/2015	16/07/2015	13900	3.4	0.86	53	2.9	<0.2	1920	
Six Monthly	29/09/2015	14/10/2015	21/10/2015	4580	2.4	0.33	9	5	<0.2	190	
Six Monthly	06/01/2016	29/01/2016	09/02/2016	21200	5.9	0.84	100	6.7	0.39	370	

Monitoring Point: 2 <Site Office>
Dust monitoring, Dust gauge located on private property to the south of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Particulates (g/m^2/mth)	Comments
Monthly	27/01/2015	11/02/2015	19/02/2015	2.7	
Monthly	27/02/2015	16/03/2015	19/03/2015	3.3	
Monthly	02/04/2015	23/04/2015	20/05/2015	2.0	
Monthly	01/05/2015	28/05/2015	19/06/2015	2.1	
Monthly	28/05/2015	22/06/2015	16/07/2015	3.0	
Monthly	26/06/2015	13/08/2015	20/08/2015	4.5	
Monthly	29/07/2015	31/08/2015	15/09/2015	9.8	
Monthly	01/09/2015	11/09/2015	15/09/2015	3.1	
Monthly	29/09/2015	14/10/2015	21/10/2015	3.6	
Monthly	30/10/2015	13/11/2015	18/11/2015	0.9	
Monthly	02/12/2015	04/01/2016	20/01/2016	1.1	
Monthly	05/01/2016	29/01/2016	09/02/2016	1.7	

Frequency	Date Sampled	Date Obtained	Date Published	Aluminium (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)	Zinc (mg/kg)	Comments
Six Monthly	27/01/2015	11/02/2015	19/02/2015	3000	1.4	8.6	1090	1.9	<0.2	3360	
Six Monthly	02/04/2015	23/04/2015	20/05/2015	12000	2.9	0.68	100	1.8	0.15	190	The comparison of some metals results for 2015 and 2014 are unusual. As such a further metals analysis will be performed on the next available sample.
Six Monthly	26/06/2015	14/07/2015	16/07/2015	12000	2.5	7.3	22	1.6	0.49	760	
Six Monthly	29/09/2015	14/10/2015	21/10/2015	3550	2.4	<0.05	7.4	2.7	0.75	210	
Six Monthly	05/01/2016	29/01/2016	09/02/2016	11600	5.1	0.6	52	0.89	< 0.2	1400	

Monitoring Point: 3 <DG05>
Dust monitoring, Dust gauge located within Lake Cowal to the east of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Particulates (g/m^2/mth)	Comments
Monthly	27/01/2015	22/04/2015	22/04/2015	3.0	Samples averaged across seven months of monitoring due to unsafe access to Lake Cowal restricting sample collection from August 2014 - February 2015
Monthly	03/03/2015	22/04/2015	22/04/2015	3.0	Samples averaged across seven months of monitoring due to unsafe access to Lake Cowal restricting sample collection from August 2014 - February 2015
Monthly	02/04/2015	23/04/2015	20/05/2015	2.0	
Monthly	01/05/2015	28/05/2015	19/06/2015	0.6	
Monthly	28/05/2015	22/06/2015	16/07/2015	-	Dust gauge found broken at monitoring location
Monthly	30/06/2015	13/08/2015	20/08/2015	18.6	Cropping activites undertaken in close proximity to this guage during this period
Monthly	05/08/2015	31/08/2015	15/09/2015	0.6	
Monthly	01/09/2015	11/09/2015	15/09/2015	1.4	
Monthly	29/09/2015	23/12/2015	20/01/2016	2.4	Samples averaged across two months of monitoring due to unsafe access to Lake Cowal restricting sample collection from September 2015 - November 2015
Monthly	10/11/2015	23/12/2015	20/01/2016	2.4	Samples averaged across two months of monitoring due to unsafe access to Lake Cowal restricting sample collection from September 2015 - November 2015
Monthly	09/12/2015	04/01/2016	20/01/2016	7.3	
Monthly	12/01/2016	29/01/2016	09/02/2016	1.7	

Frequency	Date Sampled	Date Obtained	Date Published	Aluminium (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)	Zinc (mg/kg)	Comments
Six Monthly	27/01/2015	-	19/02/2015	-	-	-	-	-	-	-	Samples were not collected due to unsafe access to Lake Cowal
Six Monthly	02/04/2015	23/04/2015	20/05/2015	4800	0.87	2.3	43	0.87	0.75	55	The comparison of some metals results for 2015 and 2014 are unusual. As such a further metals analysis will be performed on the next available sample.
Six Monthly	26/06/2015	14/07/2015	16/07/2015	9100	1.7	0.28	22	4.1	0.29	51	
Six Monthly	05/08/2015	21/082015		18000	3.8	0.16	160	2.2	< 0.2	350	
Six Monthly	10/11/2015	07/01/2016	21/10/2015	7700	2.7	0.17	2.4	0.98	0.48	3730	Samples were collected in November due to unsafe access to Lake Cowal during September and October
Six Monthly	12/01/2016	29/01/2016	09/02/2016	4350	0.81	1.4	30	< 0.05	0.78	82	

Monitoring Point: 4 <DG09>
Dust monitoring, Dust gauge located on private property to the south of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Particulates (g/m^2/mth)	Comments
Monthly	27/01/2015	11/02/2015	19/02/2015	10.9	
Monthly	27/02/2015	16/03/2015	19/03/2015	5.4	
Monthly	02/04/2015	23/04/2015	20/05/2015	1.3	
Monthly	01/05/2015	28/05/2015	19/06/2015	2.9	
Monthly	28/05/2015	22/06/2015	16/07/2015	0.8	
Monthly	26/06/2015	13/08/2015	20/08/2015	0.7	
Monthly	29/07/2015	31/08/2015	15/09/2015	0.6	
Monthly	01/09/2015	11/09/2015	15/09/2015	0.2	
Monthly	29/09/2015	14/10/2015	21/10/2015	3.1	
Monthly	30/10/2015	13/11/2015	18/11/2015	0.6	
Monthly	02/12/2015	04/01/2016	20/01/2016	0.3	
Monthly	05/01/2016	29/01/2016	09/02/2016	2.9	

Frequency	Date Sampled	Date Obtained	Date Published	Aluminium (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)	Zinc (mg/kg)	Comments
Six Monthly	29/02/2015	11/02/2015	19/02/2015	2120	2.5	6.6	310	3.9	2.1	710	
Six Monthly	02/04/2015	23/04/2015	20/05/2015	23000	5.2	0.54	180	3.8	<0.2	190	The comparison of some metals results for 2015 and 2014 are unusual. As such a further metals analysis will be performed on the next available sample.
Six Monthly	26/06/2015	14/07/2015	16/07/2015	9760	4.2	< 0.05	100	6.9	1.2	350	
Six Monthly	29/09/2015	14/10/2015	21/10/2015	1010	2.3	0.38	23	3.8	0.38	1.5	
Six Monthly	05/01/2016	29/01/2016	09/02/2016	4190	1.2	1.2	32	1	1	120	

Monitoring Point: 5 <Site 52>
Dust monitoring, Dust gauge located within ML1535 and north of the open pit

Frequency	Date Sampled	Date Obtained	Date Published	Particulates (g/m^2/mth)	Comments
Monthly	28/01/2015	11/02/2015	19/02/2015	2.9	
Monthly	26/02/2015	16/03/2015	19/03/2015	4.2	
Monthly	09/04/2015	23/04/2015	20/05/2015	1.4	
Monthly	01/05/2015	28/05/2015	19/06/2015	0.6	
Monthly	28/05/2015	22/06/2015	16/07/2015	2.5	
Monthly	26/06/2015	13/08/2015	20/08/2015	2.4	
Monthly	29/07/2015	31/08/2015	15/09/2015	1.8	
Monthly	02/09/2015	11/09/2015	15/09/2015	0.5	
Monthly	29/09/2015	14/10/2015	21/10/2015	0.9	
Monthly	30/10/2015	13/11/2015	18/11/2015	1.9	
Monthly	03/12/2015	04/01/2016	20/01/2016	2.7	
Monthly	06/01/2016	29/01/2016	09/02/2016	0.9	

Frequency	Date Sampled	Date Obtained	Date Published	Aluminium (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)	Zinc (mg/kg)	Comments
Six Monthly	28/01/2015	11/02/2015	19/02/2015	11200	18	5.6	550	390	2.6	5070	
Six Monthly	09/04/2015	23/04/2015	20/05/2015	32900	32	0.86	210	14	<0.2	1890	The comparison of some metals results for 2015 and 2014 are unusual. As such a further metals analysis will be performed on the next available sample.
Six Monthly	26/06/2015	14/07/2015	16/07/2015	41100	66	1.9	600	47	0.42	3680	
Six Monthly	29/09/2015	14/10/2015	21/10/2015	13800	15	0.68	88	14	<0.2	680	
Six Monthly	06/01/2016	29/01/2016	09/02/2016	20900	18	0.21	210	16	0.63	2530	

Dust

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Licensee: Evolution Mining (Cowal) Pty Limited

Monitoring Point: 6 <DG01>
Dust monitoring, Dust gauge located on private property to the north of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Particulates (g/m^2/mth)	Comments
Monthly	27/01/2015	11/02/2015	19/02/2015	2.4	
Monthly	27/02/2015	16/03/2015	19/03/2015	1.8	
Monthly	02/04/2015	23/04/2015	20/05/2015	0.7	
Monthly	01/05/2015	28/05/2015	19/06/2015	1.6	
Monthly	28/05/2015	22/06/2015	16/07/2015	0.3	
Monthly	26/06/2015	13/08/2015	20/08/2015	0.3	
Monthly	29/07/2015	31/08/2015	15/09/2015	0.0	
Monthly	01/09/2015	11/09/2015	15/09/2015	0.1	
Monthly	29/09/2015	14/10/2015	21/10/2015	0.4	
Monthly	30/10/2015	13/11/2015	18/11/2015	1.1	
Monthly	02/12/2015	04/01/2016	20/01/2016	0.1	
Monthly	06/01/2016	29/01/2016	09/02/2016	1.4	

Frequency	Date Sampled	Date Obtained	Date Published	Aluminium (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)	Zinc (mg/kg)	Comments
Six Monthly	27/01/2015	11/02/2015	19/02/2015	6960	2.3	3	410	8.2	0.45	610	
Six Monthly	02/04/2015	23/04/2015	20/05/2015	16900	4.6	0.3	280	0.29	0.36	63	The comparison of some metals results for 2015 and 2014 are unusual. As such a further metals analysis will be performed on the next available sample.
Six Monthly	26/06/2015	14/07/2015	16/07/2015	21400	14	< 0.05	22	20	5.9	140	
Six Monthly	29/09/2015	14/10/2015	21/10/2015	9210	6.3	3.7	<0.05	7.4	1.1	120	
Six Monthly	06/01/2016	29/01/2016	09/02/2016	12200	3	1.7	95	4.9	< 0.2	860	

Monitoring Point: 6 <HV1>
Dust monitoring, High volume sampler located on private property to the north of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Total Suspended Particles (µg/m^3)	Comments
Every 6 days	02/01/2015	24/02/2015	24/02/2015	90.7	
Every 6 days	08/01/2015	24/02/2015	24/02/2015	44.2	
Every 6 days	14/01/2015	24/02/2015	24/02/2015	13.1	
Every 6 days	20/01/2015	24/02/2015	24/02/2015	40.7	
Every 6 days	26/01/2015	31/03/2015	22/04/2015	39.8	
Every 6 days	01/02/2015	31/03/2015	22/04/2015	63.7	
Every 6 days	07/02/2015	31/03/2015	22/04/2015	55.6	
Every 6 days	13/02/2015	31/03/2015	22/04/2015	55.7	
Every 6 days	19/02/2015	31/03/2015	22/04/2015	44.4	
Every 6 days	25/02/2015	31/03/2015	22/04/2015	38.4	
Every 6 days	03/03/2015	31/03/2015	22/04/2015	92.1	
Every 6 days	15/03/2015	31/03/2015	22/04/2015	88.8	
Every 6 days	21/03/2015	18/05/2015	19/06/2015	116.0	
Every 6 days	27/03/2015	18/05/2015	19/06/2015	113.0	
Every 6 days	02/04/2015	18/05/2015	19/06/2015	88.8	
Every 6 days	08/04/2015	18/05/2015	19/06/2015	-	High volume sampler malfunction and maintenance
Every 6 days	14/04/2015	18/05/2015	19/06/2015	-	High volume sampler malfunction and maintenance
Every 6 days	20/04/2015	18/05/2015	19/06/2015	-	High volume sampler malfunction and maintenance
Every 6 days	22/04/2015	18/05/2015	19/06/2015	28.6	
Every 6 days	26/04/2015	18/05/2015	19/06/2015	15.9	
Every 6 days	02/05/2015	18/05/2015	19/06/2015	32.1	
Every 6 days	08/05/2015	14/08/2015	20/08/2015	55.1	
Every 6 days	14/05/2015	14/08/2015	20/08/2015	31.8	
Every 6 days	20/05/2015	14/08/2015	20/08/2015	14.5	
Every 6 days	26/05/2015	14/08/2015	20/08/2015	32.7	
Every 6 days	01/06/2015	14/08/2015	20/08/2015	16.5	
Every 6 days	07/06/2015	14/08/2015	20/08/2015	23.2	Electrical fault at high volume sampler (Run time = 553 minutes)
Every 6 days	13/06/2015	14/08/2015	20/08/2015	13.8	
Every 6 days	19/06/2015	14/08/2015	20/08/2015	26.4	
Every 6 days	25/06/2015	14/08/2015	20/08/2015	10.4	
Every 6 days	01/07/2015	14/08/2015	20/08/2015	16.2	
Every 6 days	07/07/2015	14/08/2015	20/08/2015	19.2	
Every 6 days	13/07/2015	14/08/2015	20/08/2015	6.8	
Every 6 days	19/07/2015	22/09/2015	21/10/2015	13.3	
Every 6 days	25/07/2015	22/09/2015	21/10/2015	8.1	
Every 6 days	31/07/2015	22/09/2015	21/10/2015	11.9	
Every 6 days	06/08/2015	22/09/2015	21/10/2015	7.5	
Every 6 days	12/08/2015	22/09/2015	21/10/2015	10.6	
Every 6 days	18/08/2015	22/09/2015	21/10/2015	13.6	
Every 6 days	24/08/2015	22/09/2015	21/10/2015	14.7	
Every 6 days	30/08/2015	22/09/2015	21/10/2015	9.3	
Every 6 days	05/09/2015	22/09/2015	21/10/2015	14.9	
Every 6 days	11/09/2015	22/09/2015	21/10/2015	29.1	
Every 6 days	17/09/2015	02/12/2015	18/11/2015	29.4	
Every 6 days	23/09/2015	02/12/2015	18/11/2015	19	
Every 6 days	29/09/2015	02/12/2015	18/11/2015	63	
Every 6 days	05/10/2015	02/12/2015	18/11/2015	55	
Every 6 days	11/10/2015	02/12/2015	18/11/2015	28.8	
Every 6 days	17/10/2015	02/12/2015	18/11/2015	57.1	
Every 6 days	23/10/2015	02/12/2015	18/11/2015	26.2	
Every 6 days	29/10/2015	02/12/2015	18/11/2015	37.6	
Every 6 days	04/11/2015	02/12/2015	18/11/2015	13.4	
Every 6 days	10/11/2015	02/12/2015	18/11/2015	39.1	
Every 6 days	16/11/2015	02/12/2015	18/11/2015	21.5	
Every 6 days	22/11/2015	02/12/2015	18/11/2015	49.9	
Every 6 days	28/11/2015	15/01/2016	20/01/2016	71.6	
Every 6 days	04/12/2015	15/01/2016	20/01/2016	48.3	
Every 6 days	10/12/2015	15/01/2016	20/01/2016	35.3	
Every 6 days	16/12/2015	15/01/2016	20/01/2016	81.4	
Every 6 days	22/12/2015	15/01/2016	20/01/2016	22.1	
Every 6 days	28/12/2015	15/01/2016	20/01/2016	35.6	

Surface Water

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 12 <D1>
Stormwater quality monitoring, Northern waste emplacement contained water storage

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	05/01/2015	12/01/2015	19/02/2015	9.01	8220	80	
Weekly	12/01/2015	27/01/2015	19/02/2015	9.17	8890	151	
Weekly	19/01/2015	27/01/2015	19/02/2015	9.18	7210	60	
Weekly	28/01/2015	09/02/2015	19/02/2015	8.64	7430	36	
Weekly	03/02/2015	09/02/2015	19/02/2015	9.34	9220	91	
Weekly	11/02/2015	19/02/2015	19/03/2015	8.19	8780	14	
Weekly	17/02/2015	24/02/2015	19/03/2015	8.20	9344	27	
Weekly	26/02/2015	05/03/2015	19/03/2015	8.49	9850	8	
Weekly	04/03/2015	25/03/2015	22/04/2015	8.27	9915	6	
Weekly	10/03/2015	25/03/2015	22/04/2015	8.24	10050	4	
Weekly	17/03/2015	07/04/2015	18/12/2015	6.65	9002	18	
Weekly	24/03/2015	08/04/2015	22/04/2015	7.46	10230	16	
Weekly	31/03/2015	08/04/2015	22/04/2015	8.75	10010	90	
Weekly	09/04/2015	15/04/2015	20/05/2015	8.35	9436	14	
Weekly	15/04/2015	21/04/2015	20/05/2015	7.19	7830	17	
Weekly	21/04/2015	24/04/2015	20/05/2015	7.80	8725	17	
Weekly	27/04/2015	05/05/2015	20/05/2015	9.23	7670	18	
Weekly	04/05/2015	11/05/2015	19/06/2015	9.14	8200	25	
Weekly	11/05/2015	18/05/2015	19/06/2015	9.17	7820	19	
Weekly	18/05/2015	22/05/2015	19/06/2015	8.89	8090	18	
Weekly	25/05/2015	02/06/2015	19/06/2015	8.62	8010	< 1	
Weekly	02/06/2015	09/06/2015	19/06/2015	9.20	7620	2	
Weekly	09/06/2015	17/06/2015	16/07/2015	9.05	7420	3	
Weekly	18/06/2015	25/06/2015	16/07/2015	8.57	7620	3	
Weekly	24/06/2015	30/06/2015	16/07/2015	7.62	7230	19	
Weekly	01/07/2015	16/07/2015	20/08/2015	7.98	6700	10	
Weekly	08/07/2015	13/08/2015	20/08/2015	8.83	7050	3	
Weekly	15/07/2015	24/07/2015	20/08/2015	8.74	6680	70	
Weekly	20/07/2015	24/07/2015	20/08/2015	8.57	6770	4	
Weekly	23/07/2015	14/08/2015	20/08/2015	8.77	6280	5	
Weekly	29/07/2015	18/08/2015	15/09/2015	8.11	4942	15	
Weekly	04/08/2015	13/08/2015	15/09/2015	9.49	6370	10	
Weekly	11/08/2015	18/08/2015	15/09/2015	8.08	5230	6	
Weekly	18/08/2015	24/08/2015	15/09/2015	8.77	6290	18	
Weekly	25/08/2015	01/09/2015	15/09/2015	7.29	5730	18	
Weekly	01/09/2015	10/09/2015	23/12/2015	7.50	4125	15	
Weekly	09/09/2015	15/09/2015	21/10/2015	7.59	4224	7	
Weekly	16/09/2015	23/09/2015	21/10/2015	6.89	4286	9	
Weekly	23/09/2015	28/09/2015	21/10/2015	7.53	4240	24	
Weekly	29/09/2015	07/10/2015	21/10/2015	9.76	5490	13	
Weekly	06/10/2015	14/10/2015	21/10/2015	8.76	5840	10	
Weekly	13/10/2015	16/10/2015	18/11/2015	8.45	5570	10	
Weekly	20/10/2015	27/10/2015	18/11/2015	10.29	6090	24	
Weekly	22/10/2015	27/10/2015	21/01/2016	9.32	5750	15	Rainfall event
Weekly	29/10/2015	04/11/2015	18/11/2015	9.20	5840	19	
Weekly	02/11/2015	10/11/2015	18/11/2015	8.92	5400	30	
Weekly	10/11/2015	16/11/2015	18/12/2015	9.80	5930	19	
Weekly	17/11/2015	26/11/2015	18/12/2015	9.65	6080	35	
Weekly	23/11/2015	30/11/2015	18/12/2015	9.45	5035	30	
Weekly	01/12/2015	07/12/2015	18/12/2015	9.55	6840	35	
Weekly	09/12/2015	12/01/2016	21/01/2016	9.65	7475	30	
Weekly	15/12/2015	06/01/2016	20/01/2016	9.09	7950	250	
Weekly	21/12/2015	06/01/2016	20/01/2016	9.18	7215	169	
Weekly	29/12/2015	08/01/2016	20/01/2016	9.43	8840	35	

Surface Water

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 13 <D4>
Stormwater quality monitoring, Southern waste emplacement contained water storage

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	05/01/2015	12/01/2015	19/02/2015	7.71	1074	933	
Weekly	12/01/2015	27/01/2015	18/12/2015	7.95	1104	40	
Weekly	19/01/2015	27/01/2015	19/02/2015	8.51	894	36	
Weekly	28/01/2015	09/02/2015	19/02/2015	7.89	955	349	Low water level in dam
Weekly	03/02/2015	09/02/2015	19/02/2015	8.16	1485	33	
Weekly	11/02/2015	19/02/2015	19/03/2015	8.80	1575	19	
Weekly	17/02/2015	24/02/2015	19/03/2015	8.56	1657	92	
Weekly	26/02/2015	05/03/2015	19/03/2015	7.96	1639	10	
Weekly	04/03/2015	25/03/2015	22/04/2015	8.65	1907	39	
Weekly	10/03/2015	25/03/2015	22/04/2015	8.46	2048	8	
Weekly	17/03/2015	07/04/2015	22/04/2015	6.92	2363	9	
Weekly	24/03/2015	08/04/2015	22/04/2015	8.10	2712	98	
Weekly	31/03/2015	08/04/2015	22/04/2015	8.09	2430	32	
Weekly	09/04/2015	15/04/2015	20/05/2015	8.88	2127	53	
Weekly	15/04/2015	21/04/2015	20/05/2015	7.78	2278	34	
Weekly	21/04/2015	24/04/2015	20/05/2015	8.31	1449	176	
Weekly	27/04/2015	05/05/2015	20/05/2015	9.01	1291	26	
Weekly	04/05/2015	11/05/2015	19/06/2015	8.84	1389	80	
Weekly	11/05/2015	18/05/2015	19/06/2015	8.28	1465	67	
Weekly	18/05/2015	22/05/2015	19/06/2015	9.00	1602	56	
Weekly	25/05/2015	02/06/2015	19/06/2015	9.08	1457	15	
Weekly	02/06/2015	09/06/2015	19/06/2015	9.30	1638	19	
Weekly	09/06/2015	17/06/2015	16/07/2015	8.67	1569	15	
Weekly	18/06/2015	25/06/2015	16/07/2015	7.83	1271	37	
Weekly	24/06/2015	30/06/2015	16/07/2015	8.49	1314	66	
Weekly	01/07/2015	16/07/2015	20/08/2015	8.78	1419	69	
Weekly	08/07/2015	13/08/2015	20/08/2015	8.87	1459	16	
Weekly	15/07/2015	24/07/2015	20/08/2015	8.59	1216	321	
Weekly	20/07/2015	24/07/2015	20/08/2015	8.51	1067	14	
Weekly	23/07/2015	14/08/2015	20/08/2015	8.57	1863	8	
Weekly	29/07/2015	18/08/2015	15/09/2015	8.18	1919	17	
Weekly	04/08/2015	13/08/2015	15/09/2015	8.49	3110	6	
Weekly	11/08/2015	18/08/2015	15/09/2015	7.92	3910	5	
Weekly	18/08/2015	24/08/2015	15/09/2015	8.10	4490	14	
Weekly	25/08/2015	01/09/2015	15/09/2015	7.59	3090	69	
Weekly	01/09/2015	10/09/2015	23/12/2015	7.13	2500	15	
Weekly	09/09/2015	15/09/2015	21/10/2015	7.69	2581	75	
Weekly	16/09/2015	23/09/2015	21/10/2015	7.07	3267	8	
Weekly	23/09/2015	28/09/2015	21/10/2015	7.71	3155	13	
Weekly	29/09/2015	07/10/2015	21/10/2015	8.25	4470	26	
Weekly	06/10/2015	14/10/2015	21/10/2015	8.14	4680	13	
Weekly	13/10/2015	16/10/2015	18/11/2015	8.33	5010	9	
Weekly	20/10/2015	27/10/2015	18/11/2015	8.68	5240	18	
Weekly	22/10/2015	27/10/2015	21/01/2016	7.97	4610	15	Rainfall event
Weekly	29/10/2015	04/11/2015	18/11/2015	7.44	5040	42	
Weekly	02/11/2015	10/11/2015	18/11/2015	8.25	4960	7	
Weekly	10/11/2015	16/11/2015	18/12/2015	9.01	5210	14	
Weekly	17/11/2015	26/11/2015	18/12/2015	8.79	5140	5	
Weekly	23/11/2015	30/11/2015	18/12/2015	8.94	6152	53	
Weekly	01/12/2015	07/12/2015	18/12/2015	8.37	7010	44	
Weekly	09/12/2015	12/01/2016	21/01/2016	8.32	7773	18	
Weekly	15/12/2015	06/01/2016	20/01/2016	7.10	9774	9	
Weekly	21/12/2015	06/01/2016	20/01/2016	8.28	10680	11	
Weekly	29/12/2015	08/01/2016	20/01/2016	8.33	13600	28	

Lake Water

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 14 <P1>
Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	-	-	-	-	-	-	Lake Cowal is dry

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	-	-	-	-	-	-	-	-	-	-	-	Lake Cowal is dry

Monitoring Point: 15 <P2>
Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	-	-	-	-	-	-	Lake Cowal is dry

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	-	-	-	-	-	-	-	-	-	-	-	Lake Cowal is dry

Monitoring Point: 16 <P3>
Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	-	-	-	-	-	-	Lake Cowal is dry

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	-	-	-	-	-	-	-	-	-	-	-	Lake Cowal is dry

Monitoring Point: 17 <B1>
Ambient water quality monitoring, Surface water point within ML1535 on Lake Cowal

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	-	-	-	-	-	-	Lake Cowal is dry

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	-	-	-	-	-	-	-	-	-	-	-	Lake Cowal is dry

Monitoring Point: 18 <B5>
Ambient water quality monitoring, Surface water point on Lake Cowal to the south-east of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Comments
Weekly	-	-	-	-	-	-	Lake Cowal is dry

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	-	-	-	-	-	-	-	-	-	-	-	Lake Cowal is dry

Groundwater

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 19 <P555A-R>
Groundwater quality monitoring, Piezometer located up gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	13/01/2015	13/01/2015	19/02/2015	6.64	29650	21.020	
Monthly	03/02/2015	03/02/2015	19/03/2015	6.70	30490	21.131	
Monthly	20/03/2015	20/03/2015	22/04/2015	6.88	30710	21.072	
Monthly	14/04/2015	14/14/2015	20/05/2015	6.62	30870	21.104	
Monthly	01/05/2015	01/05/2015	19/06/2015	6.77	27670	21.098	
Monthly	19/06/2015	19/06/2015	16/07/2015	6.99	27650	21.061	
Monthly	03/07/2015	03/07/2015	20/08/2015	6.73	26870	21.142	
Monthly	18/08/2015	18/08/2015	15/09/2015	6.69	27240	21.117	
Monthly	02/09/2015	02/09/2015	21/10/2015	6.75	27270	20.982	
Monthly	20/10/2015	20/10/2015	18/11/2015	6.71	31000	21.008	
Monthly	19/11/2015	19/11/2015	18/12/2015	6.75	31360	21.027	
Monthly	08/12/2015	08/12/2015	20/01/2016	6.71	31260	21.028	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	13/01/2015	11/02/2015	19/02/2015	774	296	10800	747	26	8000	2930	3820	4	< 0.001	< 0.001	< 0.0001	0.009	< 0.001	0.02	< 0.005	< 0.004	
Quarterly	14/04/2015	28/04/2015	20/05/2015	797	344	9940	880	26	7060	2500	4480	1	< 0.001	0.002	< 0.0001	0.017	< 0.001	0.14	< 0.005	< 0.004	
Quarterly	03/07/2015	16/07/2015	20/08/2015	813	294	8390	749	22	6060	2490	3820	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	0.589	< 0.01	< 0.005	< 0.004	Bore will be retested for lead in August
Quarterly	04/09/2015	11/09/2015	15/09/2015	-	-	-	-	-	-	-	-	-	0.001	0.001	0.0006	0.002	0.001	0.01	0.1	-	
Quarterly	20/10/2015	30/10/2015	21/01/2015	760	278	10000	786	24	6100	2700	3930	7	<0.0005	0.0006	0.0004	0.001	<0.0002	0.002	0.026	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 20 <P555B>
Groundwater quality monitoring, Piezometer located up gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	-	-	-	-	-	-	Bore is dry

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bore is dry

Monitoring Point: 21 <P558A-R>
Groundwater quality monitoring, Piezometer located up gradient of northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	16/09/2015	23/09/2015	19/02/2015	6.65	32510	19.528	
Monthly	03/02/2015	28/09/2015	19/03/2015	6.75	33400	19.564	
Monthly	19/03/2015	07/10/2015	22/04/2015	6.57	33690	19.557	
Monthly	14/04/2015	14/10/2015	20/05/2015	6.55	31770	19.622	
Monthly	01/05/2015	16/10/2015	19/06/2015	6.68	30890	19.627	
Monthly	19/06/2015	27/10/2015	16/07/2015	6.91	30380	19.586	
Monthly	03/07/2015	04/11/2015	20/08/2015	6.81	29260	19.650	
Monthly	18/08/2015	10/11/2015	15/09/2015	6.73	29740	19.568	
Monthly	02/09/2015	02/09/2015	21/10/2015	6.82	30200	19.557	
Monthly	20/10/2015	20/10/2015	18/11/2015	6.70	34300	19.544	
Monthly	19/11/2015	30/11/2015	18/12/2015	6.77	34500	19.494	
Monthly	08/12/2015	08/12/2015	20/01/2016	6.72	34400	19.480	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	13/01/2015	11/02/2015	19/02/2015	709	333	10800	896	26	6630	3420	4520	19	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	14/04/2015	28/04/2015	20/05/2015	750	293	9840	761	23	6140	2960	3860	32	< 0.001	0.002	0.0005	< 0.001	< 0.001	0.13	< 0.005	< 0.004	
Quarterly	03/07/2015	16/07/2015	20/08/2015	755	278	9130	772	25	7220	3470	3870	13	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	20/10/2015	30/10/2015	21/01/2015	674	254	10900	767	26	7010	3220	3790	18	<0.0005	<0.0005	<0.0001	0.011	<0.0002	0.006	0.022	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 22 <P412A-R>
Groundwater quality monitoring, Piezometer located down gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	15/01/2015	15/01/2015	19/02/2015	6.53	39710	11.492	
Monthly	25/02/2015	25/02/2015	19/03/2015	6.42	44270	11.625	
Monthly	26/03/2015	26/03/2015	22/04/2015	6.71	41370	11.567	
Monthly	15/04/2015	15/04/2015	20/05/2015	6.52	40150	11.546	
Monthly	20/05/2015	20/05/2015	19/06/2015	6.73	39900	11.477	
Monthly	25/06/2015	25/06/2015	16/07/2015	6.74	39720	11.453	
Monthly	29/07/2015	29/07/2015	20/08/2015	7.18	38960	11.433	
Monthly	27/08/2015	27/08/2015	15/09/2015	6.78	36770	11.352	
Monthly	17/09/2015	17/09/2015	21/10/2015	6.67	40290	11.401	
Monthly	28/10/2015	28/10/2015	18/11/2015	6.58	43200	11.335	
Monthly	25/11/2015	25/11/2015	18/12/2015	6.52	41590	11.235	
Monthly	22/12/2015	22/12/2015	20/01/2016	6.58	44850	11.230	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	15/01/2015	30/01/2015	19/02/2015	403	579	12200	1310	54	8550	3430	6840	15	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	15/04/2015	28/04/2015	20/05/2015	519	888	16400	1690	52	10600	3890	9180	< 1	< 0.001	0.001	0.0009	0.002	< 0.001	0.19	< 0.005	< 0.004	
Quarterly	29/07/2015	14/08/2015	20/08/2015	569	730	10100	1460	46	8900	3860	7840	< 1	< 0.0005	0.0007	0.0006	0.004	< 0.0002	0.002	< 0.005	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	28/10/2015	06/11/2015	21/01/2015	520	776	14700	1500	53	9200	3950	8110	8	< 0.0005	0.0008	0.0007	<0.001	0.0003	0.002	0.007	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 23 <P412B>
Groundwater quality monitoring, Piezometer located down gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	-	-	-	-	-	-	Bore is dry

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bore is dry

Groundwater

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 24 <P414A>
Groundwater quality monitoring, Piezometer located down gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	15/01/2015	15/01/2015	19/02/2015	6.63	38970	12.945	
Monthly	10/02/2015	10/02/2015	19/03/2015	6.70	40080	13.021	
Monthly	10/03/2015	10/03/2015	22/04/2015	6.85	40240	12.953	
Monthly	15/04/2015	15/04/2015	20/05/2015	6.55	40460	12.945	
Monthly	19/05/2015	19/05/2015	19/06/2015	6.65	36100	12.878	
Monthly	19/06/2015	19/06/2015	16/07/2015	6.88	36200	12.868	
Monthly	29/07/2015	29/07/2015	20/08/2015	7.33	34770	12.875	
Monthly	19/08/2015	19/08/2015	15/09/2015	6.57	35570	12.851	
Monthly	15/09/2015	15/09/2015	21/10/2015	6.56	36100	12.731	
Monthly	28/10/2015	28/10/2015	18/11/2015	6.72	40100	12.767	
Monthly	25/11/2015	25/11/2015	18/12/2015	6.69	40090	12.697	
Monthly	08/12/2015	08/12/2015	20/01/2016	6.67	40920	12.695	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	15/01/2015	30/01/2015	19/02/2015	558	475	13100	1560	50	9680	3220	7610	2	< 0.001	< 0.001	< 0.0001	0.011	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	15/04/2015	28/04/2015	20/05/2015	589	538	12200	1480	40	8990	2550	7440	< 1	< 0.001	0.002	< 0.0001	< 0.001	< 0.001	0.20	< 0.005	< 0.004	
Quarterly	29/07/2015	14/08/2015	20/08/2015	653	437	9350	1330	47	7610	3140	6570	< 1	< 0.0005	< 0.0005	< 0.0001	0.003	< 0.0002	0.015	< 0.005	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	28/10/2015	06/11/2015	21/01/2015	540	477	13700	1390	36	8470	3340	6920	< 1	<0.0005	<0.0005	<0.0001	<0.001	<0.0002	0.017	0.025	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 25 <P414B>
Groundwater quality monitoring, Piezometer located down gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	27/01/2015	27/01/2015	19/02/2015	6.58	38970	13.003	
Monthly	06/02/2015	06/02/2015	19/03/2015	6.84	40120	13.086	
Monthly	19/03/2015	19/03/2015	22/04/2015	6.05	40250	12.952	
Monthly	28/04/2015	28/04/2015	20/05/2015	6.94	28230	12.718	Laboratory EC results 41100 µS/cm
Monthly	28/05/2015	28/05/2015	19/06/2015	6.68	37380	12.940	
Monthly	26/06/2015	26/06/2015	16/07/2015	7.00	35610	12.750	
Monthly	09/07/2015	09/07/2015	20/08/2015	6.75	31350	12.964	
Monthly	28/08/2015	28/08/2015	15/09/2015	6.81	34960	12.890	
Monthly	15/09/2015	15/09/2015	21/10/2015	6.72	36200	12.775	
Monthly	28/10/2015	28/10/2015	18/11/2015	6.83	40300	12.809	
Monthly	27/11/2015	27/11/2015	18/12/2015	6.86	40420	12.773	
Monthly	08/12/2015	08/12/2015	20/01/2016	6.70	41150	12.725	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	27/01/2015	05/02/2015	19/02/2015	501	422	13900	1370	29	8770	3220	6700	118	< 0.001	0.002	< 0.0001	< 0.001	< 0.001	0.12	< 0.005	< 0.004	
Quarterly	28/04/2015	12/05/2015	20/05/2015	605	484	12400	1400	31	8330	3420	6970	9	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	09/07/2015	14/08/2015	21/01/2015	615	507	13600	1400	36	8650	3000	7030	179	< 0.0005	< 0.0005	< 0.0001	< 0.001	0.0003	0.01	0.009	< 0.004	New analysis method has reduced the LOR for some metals. Intial WAD Cyanide analysis measured 0.01 mg/L, however no WAD cyanide was detected during retesting of the sample.
Quarterly	28/10/2015	06/11/2015	21/01/2015	567	423	13600	1370	31	8760	3460	6700	< 1	< 0.0005	< 0.0005	< 0.0001	<0.001	< 0.0002	0.011	0.03	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 26 <PP03>
Groundwater quality monitoring, Piezometer located near the processing plant area

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	28/01/2015	28/01/2015	19/02/2015	8.08	2834	17.484	
Monthly	27/02/2015	27/02/2015	19/03/2015	7.57	3296	17.347	
Monthly	31/03/2015	31/03/2015	22/04/2015	7.79	2360	17.353	
Monthly	30/04/2015	30/04/2015	20/05/2015	7.47	1861	17.385	Laboratory EC results 2500 µS/cm
Monthly	29/05/2015	29/05/2015	19/06/2015	7.80	1668	17.435	
Monthly	30/06/2015	30/06/2015	16/07/2015	8.17	2085	17.452	
Monthly	14/07/2015	14/07/2015	20/08/2015	7.52	2490	17.470	
Monthly	28/08/2015	28/08/2015	15/09/2015	7.82	3176	17.430	
Monthly	23/09/2015	23/09/2015	21/10/2015	7.71	3475	17.352	
Monthly	02/10/2015	02/10/2015	18/11/2015	7.37	3460	17.388	
Monthly	27/11/2015	27/11/2015	18/12/2015	7.56	3828	17.344	
Monthly	23/12/2015	23/12/2015	20/01/2016	7.56	3681	17.645	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	23/01/2015	09/02/2015	19/02/2015	53	93	403	24	8	266	308	364	24	0.001	0.001	< 0.0001	0.004	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	29/04/2015	11/05/2015	20/05/2015	59	119	550	66	7	470	372	569	46	< 0.001	< 0.001	< 0.0001	0.003	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	14/07/2015	19/08/2015	21/01/2015	84	95	445	44	7	450	406	418	115	< 0.0005	0.0007	< 0.0001	0.004	<0.0002	0.008	0.007	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	02/10/2015	23/10/2015	21/01/2015	74	83	741	48	8	545	495	405	5	0.0006	0.001	< 0.0001	0.004	<0.0002	<0.002	0.005	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 27 <PP04>
Groundwater quality monitoring, Piezometer located near the processing plant area

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	28/01/2015	28/01/2015	19/02/2015	6.77	45220	16.230	
Monthly	27/02/2015	27/02/2015	19/03/2015	6.68	46810	16.074	
Monthly	26/03/2015	26/03/2015	22/04/2015	6.92	46110	16.281	
Monthly	23/04/2015	23/04/2015	20/05/2015	5.99	42970	16.397	Laboratory pH results 7.37
Monthly	29/05/2015	29/05/2015	19/06/2015	6.82	40870	16.344	
Monthly	30/06/2015	30/06/2015	16/07/2015	7.36	36970	16.440	
Monthly	14/07/2015	14/07/2015	20/08/2015	6.64	39860	16.434	
Monthly	27/08/2015	27/08/2015	15/09/2015	6.76	38890	16.375	
Monthly	22/09/2015	22/09/2015	21/10/2015	6.64	40600	16.386	
Monthly	02/10/2015	02/10/2015	18/11/2015	6.45	47100	16.393	
Monthly	27/11/2015	27/11/2015	18/12/2015	6.66	45630	16.390	
Monthly	23/12/2015	23/12/2015	20/01/2016	6.68	46950	16.395	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	23/01/2015	09/02/2015	19/02/2015	458	706	16400	1570	41	9820	3700	8230	464	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	23/04/2015	04/05/2015	20/05/2015	481	1040	16800	1860	52	10700	3590	10200	480	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	14/07/2015	19/08/2015	21/01/2015	442	800	12300	1570	50	8770	3640	8460	615	<0.0005	<0.0005	< 0.0001	< 0.001	<0.0002	0.01	0.007	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	02/10/2015	23/10/2015	21/01/2015	473	771	16800	1620	49	9630	3430	8600	247	<0.0005	<0.0005	< 0.0001	< 0.001	0.0012	0.01	0.038	< 0.004	New analysis method has reduced the LOR for some metals

Groundwater

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 30 <P417A>
Groundwater quality monitoring, Piezometer located down gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	12/01/2015	12/01/2015	19/02/2015	6.49	42540	12.751	
Monthly	03/02/2015	03/02/2015	19/03/2015	6.62	43720	12.777	
Monthly	10/03/2015	10/03/2015	22/04/2015	6.89	43910	12.752	
Monthly	21/04/2015	21/04/2015	20/05/2015	7.06	44130	12.768	
Monthly	20/05/2015	20/05/2015	19/06/2015	6.71	39690	12.736	
Monthly	19/06/2015	19/06/2015	16/07/2015	7.00	38070	12.717	
Monthly	02/07/2015	02/07/2015	20/08/2015	6.73	37030	12.765	
Monthly	18/08/2015	18/08/2015	15/09/2015	6.59	38410	12.738	
Monthly	15/09/2015	15/09/2015	21/10/2015	6.78	38800	12.691	
Monthly	01/10/2015	01/10/2015	18/11/2015	7.22	43800	12.735	
Monthly	20/11/2015	20/11/2015	18/12/2015	6.49	43560	12.660	
Monthly	08/12/2015	08/12/2015	20/01/2016	6.51	44630	12.685	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	12/01/2015	11/02/2015	19/02/2015	462	710	16200	1680	37	9470	3480	8690	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	23/04/2015	04/05/2015	20/05/2015	489	911	15800	1780	38	9770	3520	9600	2	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	02/07/2015	16/07/2015	20/08/2015	509	638	12600	1510	30	8510	3320	7810	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	01/10/2015	23/10/2015	21/01/2015	458	646	15400	1540	36	8520	2980	7950	2	<0.0005	<0.0005	0.0014	0.018	0.0005	0.007	0.098	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 31 <P417B>
Groundwater quality monitoring, Piezometer located down gradient of southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	27/01/2015	27/01/2015	19/02/2015	6.49	38610	12.714	
Monthly	06/02/2015	06/02/2015	19/03/2015	6.62	39290	12.766	
Monthly	19/03/2015	19/03/2015	22/04/2015	6.89	40080	12.700	
Monthly	28/04/2015	28/04/2015	20/05/2015	7.06	27640	12.734	Laboratory EC results 39800 µS/cm
Monthly	28/05/2015	28/05/2015	19/06/2015	6.71	36380	12.718	
Monthly	26/06/2015	26/06/2015	16/07/2015	7.00	34270	12.727	
Monthly	09/07/2015	09/07/2015	20/08/2015	6.73	31380	12.725	
Monthly	28/08/2015	28/08/2015	15/09/2015	6.59	35330	12.671	
Monthly	15/09/2015	15/09/2015	21/10/2015	6.75	34650	12.640	
Monthly	01/10/2015	01/10/2015	18/11/2015	7.36	41100	12.690	
Monthly	27/11/2015	27/11/2015	18/12/2015	7.18	40360	12.635	
Monthly	08/12/2015	08/12/2015	20/01/2016	6.73	41300	12.620	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	27/01/2015	05/02/2015	19/02/2015	187	456	14100	1300	26	8010	2810	6490	3	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0.11	< 0.005	< 0.004	
Quarterly	29/04/2015	12/05/2015	20/05/2015	238	557	12300	1310	22	7520	2940	6780	2	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	09/07/2015	14/08/2015	21/01/2015	231	645	13800	1420	32	8280	2610	7460	9	< 0.0005	< 0.0005	< 0.0001	< 0.001	<0.0002	0.01	0.013	< 0.004	New analysis method has reduced the LOR for some metals. Intial WAD Cyanide analysis measured 0.016 mg/L, however no WAD cyanide was detected during retesting of the sample
Quarterly	01/10/2015	23/10/2015	21/01/2015	216	522	14400	1440	24	7660	2860	7230	< 1	< 0.0005	< 0.0005	< 0.0001	0.001	<0.0002	0.008	0.024	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 32 <P418A>
Groundwater quality monitoring, Piezometer located down gradient of northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	13/01/2015	13/01/2015	19/02/2015	6.45	43430	10.464	
Monthly	03/02/2015	03/02/2015	19/03/2015	6.55	44740	10.533	
Monthly	19/03/2015	19/03/2015	22/04/2015	6.41	44890	10.466	
Monthly	14/04/2015	14/04/2015	20/05/2015	6.43	44950	10.475	
Monthly	18/05/2015	18/05/2015	19/06/2015	6.50	41190	10.481	
Monthly	22/06/2015	22/06/2015	16/07/2015	6.94	39500	10.462	
Monthly	03/07/2015	03/07/2015	20/08/2015	6.55	39440	10.431	
Monthly	19/08/2015	19/08/2015	15/09/2015	6.60	39930	10.405	
Monthly	15/09/2015	15/09/2015	21/10/2015	6.92	39230	10.338	
Monthly	26/10/2015	26/10/2015	18/11/2015	6.57	45900	10.325	
Monthly	19/11/2015	19/11/2015	18/12/2015	6.59	46460	10.320	
Monthly	09/12/2015	09/12/2015	20/01/2016	6.52	46300	10.332	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	13/01/2015	11/02/2015	19/02/2015	576	507	15600	1480	24	10600	4720	7360	5	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	14/04/2015	28/04/2015	20/05/2015	600	431	13500	1200	20	8920	4170	6020	6	< 0.001	0.001	< 0.0001	0.001	< 0.001	0.24	< 0.005	< 0.004	
Quarterly	03/07/2015	16/07/2015	20/08/2015	468	468	12200	1380	20	9340	4640	6850	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	26/10/2015	09/11/2015	21/01/2015	638	476	15000	1490	22	10700	4690	7320	3	<0.0005	<0.0005	< 0.0001	0.001	<0.0002	0.004	<0.005	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 33 <P418B>
Groundwater quality monitoring, Piezometer located down gradient of northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	13/01/2015	13/01/2015	19/02/2015	6.48	39910	10.425	
Monthly	03/02/2015	03/02/2015	19/03/2015	6.60	41230	10.496	
Monthly	19/03/2015	19/03/2015	22/04/2015	6.61	41370	10.431	
Monthly	14/04/2015	14/04/2015	20/05/2015	6.42	41280	10.443	
Monthly	18/05/2015	18/05/2015	19/06/2015	6.56	37410	10.447	
Monthly	22/06/2015	22/06/2015	16/07/2015	6.84	36440	10.421	
Monthly	03/07/2015	03/07/2015	20/08/2015	6.70	36320	10.404	
Monthly	19/08/2015	19/08/2015	15/09/2015	6.44	37140	10.390	
Monthly	15/09/2015	15/09/2015	21/10/2015	7.07	36300	10.297	
Monthly	26/10/2015	26/10/2015	18/11/2015	6.50	42300	10.293	
Monthly	19/11/2015	19/11/2015	18/12/2015	6.51	42580	10.291	
Monthly	09/12/2015	09/12/2015	20/01/2016	6.44	42230	10.296	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	13/01/2015	11/02/2015	19/02/2015	569	345	14400	1250	12	9690	4350	6010	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	14/04/2015	28/04/2015	20/05/2015	562	273	12200	996	8	8500	3900	4780	< 1	< 0.001	< 0.001	< 0.0001	0.001	< 0.001	0.21	< 0.005	< 0.004	
Quarterly	03/07/2015	16/07/2015	20/08/2015	593	307	11200	1120	9	8700	4150	5380	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	26/10/2015	09/11/2015	21/01/2015	596	308	13500	1220	10	9880	4270	5790	1	<0.0005	<0.0005	< 0.0001	0.002	0.0005	0.004	0.037	< 0.004	New analysis method has reduced the LOR for some metals

Groundwater

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 34 <TSFNA>
Groundwater quality monitoring, Piezometer located down gradient of northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	16/01/2015	16/01/2015	19/02/2015	6.55	45830	12.875	
Monthly	09/02/2015	09/02/2015	19/03/2015	6.52	46950	12.912	
Monthly	23/03/2015	23/03/2015	22/04/2015	6.53	47390	12.884	
Monthly	15/04/2015	15/04/2015	20/05/2015	6.50	47410	12.888	
Monthly	26/05/2015	26/05/2015	19/06/2015	6.67	42010	12.892	
Monthly	23/06/2015	23/06/2015	16/07/2015	6.80	42260	12.848	
Monthly	27/07/2015	27/07/2015	20/08/2015	7.05	41040	12.841	
Monthly	19/08/2015	19/08/2015	15/09/2015	6.43	41330	12.831	
Monthly	16/09/2015	16/09/2015	21/10/2015	6.45	43240	12.832	
Monthly	20/10/2015	20/10/2015	18/11/2015	6.62	47600	12.819	
Monthly	26/11/2015	26/11/2015	18/12/2015	6.62	47030	12.732	
Monthly	15/12/2015	15/12/2015	20/01/2016	6.63	48050	12.707	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	16/01/2015	30/01/2015	19/02/2015	443	614	15400	1680	28	10900	4490	8450	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	15/04/2015	28/04/2015	20/05/2015	541	710	13800	1660	25	11000	3340	8610	< 1	< 0.001	0.002	< 0.0001	< 0.001	< 0.001	0.22	< 0.005	< 0.004	
Quarterly	27/07/2015	14/08/2015	20/08/2015	502	578	10600	1510	30	9470	4480	7660	< 1	< 0.0005	0.0015	< 0.0001	0.001	< 0.0002	< 0.002	< 0.005	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	20/10/2015	30/10/2015	21/01/2015	504	597	16500	1620	24	10400	4400	7790	< 1	< 0.0005	0.0014	<0.0001	< 0.001	<0.0002	<0.002	< 0.005	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 34 <TSFNB>
Groundwater quality monitoring, Piezometer located down gradient of northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	16/01/2015	16/01/2015	19/02/2015	6.45	43350	13.023	
Monthly	09/02/2015	09/02/2015	19/03/2015	6.41	44490	13.095	
Monthly	23/03/2015	23/03/2015	22/04/2015	6.50	44710	13.061	
Monthly	15/04/2015	15/04/2015	20/05/2015	6.35	44940	13.081	
Monthly	26/05/2015	26/05/2015	19/06/2015	6.50	40010	13.114	
Monthly	23/06/2015	23/06/2015	16/07/2015	6.67	39610	13.058	
Monthly	27/07/2015	27/07/2015	20/08/2015	6.80	39190	13.069	
Monthly	19/08/2015	19/08/2015	15/09/2015	6.35	39190	12.953	
Monthly	16/09/2015	16/09/2015	21/10/2015	6.37	40770	12.993	
Monthly	20/10/2015	20/10/2015	18/11/2015	6.59	45100	12.971	
Monthly	26/11/2015	26/11/2015	18/12/2015	6.53	44500	12.873	
Monthly	15/12/2015	15/12/2015	20/01/2016	6.54	45480	12.908	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	16/01/2015	30/01/2015	19/02/2015	222	463	14600	1640	63	10800	4590	7910	105	< 0.001	< 0.001	< 0.0001	0.075	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	15/04/2015	28/04/2015	20/05/2015	253	447	13800	1300	44	8860	3760	6470	93	< 0.001	0.002	0.0003	0.040	< 0.001	0.19	0.011	< 0.004	
Quarterly	27/07/2015	14/08/2015	20/08/2015	237	419	10200	1400	59	8790	4290	6810	60	< 0.0005	< 0.0005	0.0003	0.046	< 0.0002	0.004	0.006	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	20/10/2015	30/10/2015	21/01/2015	237	420	15300	1340	45	10500	4260	6570	81	< 0.0005	< 0.0005	0.0003	0.031	< 0.0002	0.004	0.007	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 34 <TSFNC>
Groundwater quality monitoring, Piezometer located down gradient of northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	16/01/2015	16/01/2015	19/02/2015	6.33	45920	13.238	
Monthly	09/02/2015	09/02/2015	19/03/2015	6.17	47210	13.293	
Monthly	23/03/2015	23/03/2015	22/04/2015	6.62	47710	13.263	
Monthly	15/04/2015	15/04/2015	20/05/2015	6.25	47350	13.301	
Monthly	26/05/2015	26/05/2015	19/06/2015	6.45	42660	13.333	
Monthly	23/06/2015	23/06/2015	16/07/2015	6.72	43540	13.253	
Monthly	27/07/2015	27/07/2015	20/08/2015	6.90	40120	13.283	
Monthly	19/08/2015	19/08/2015	15/09/2015	6.48	42380	13.275	
Monthly	16/09/2015	16/09/2015	21/10/2015	6.41	43670	13.172	
Monthly	20/10/2015	20/10/2015	18/11/2015	5.99	45300	13.161	
Monthly	26/11/2015	26/11/2015	18/12/2015	5.99	47730	13.079	
Monthly	15/12/2015	15/12/2015	20/01/2016	6.00	49110	13.134	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	16/01/2015	30/01/2015	19/02/2015	104	540	15400	1760	68	11200	5060	8600	8	< 0.001	< 0.001	< 0.0001	0.013	< 0.001	< 0.01	0.121	< 0.004	
Quarterly	15/04/2015	28/04/2015	20/05/2015	116	543	15000	1440	48	9490	4270	7280	1	< 0.001	0.002	0.0006	0.004	< 0.001	0.21	0.101	< 0.004	
Quarterly	27/07/2015	14/08/2015	20/08/2015	115	454	10200	1370	60	8730	4480	6780	< 1	< 0.0005	< 0.0005	0.0005	0.005	< 0.0002	< 0.002	0.066	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	20/10/2015	30/10/2015	21/01/2015	126	513	16700	1600	50	9740	4610	7660	11	< 0.0005	< 0.0005	0.0007	0.006	0.0025	<0.002	0.0087	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 36 <PDB1A>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	12/01/2015	12/01/2015	19/02/2015	6.39	50210	13.863	
Monthly	10/02/2015	10/02/2015	19/03/2015	6.45	51600	13.904	
Monthly	20/03/2015	20/03/2015	22/04/2015	6.27	52040	13.408	
Monthly	14/04/2015	14/04/2015	20/05/2015	6.35	52040	13.262	
Monthly	20/05/2015	20/05/2015	19/06/2015	6.50	48100	12.901	
Monthly	19/06/2015	19/06/2015	16/07/2015	6.58	46560	13.059	
Monthly	07/07/2015	07/07/2015	20/08/2015	6.44	46710	13.217	
Monthly	26/08/2015	26/08/2015	15/09/2015	6.44	46680	13.775	
Monthly	15/09/2015	15/09/2015	21/10/2015	6.61	47940	13.998	
Monthly	30/10/2015	30/10/2015	18/11/2015	6.29	51600	14.305	
Monthly	13/11/2015	13/11/2015	18/12/2015	6.44	52830	14.370	
Monthly	10/12/2015	10/12/2015	20/01/2016	6.40	52670	14.453	

Frequency	Date Sampled	Date Obtained	Date Published	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	12/01/2015	11/02/2015	19/02/2015	1100	18300	2020	33	10100	4680	11100	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	
Quarterly	14/04/2015	28/04/2015	20/05/2015	927	16600	1640	27	9860	4030	9070	< 1	< 0.001	0.002	0.0005	< 0.001	< 0.001	0.27	< 0.005	
Quarterly	07/07/2015	14/08/2015	21/01/2015	1050	18200	1860	34	9840	4080	10300	< 1	0.0006	< 0.0005	0.0003	< 0.001	<0.0002	<0.002	< 0.005	New analysis method has reduced the LOR for some metals
Quarterly	30/10/2015	12/11/2015	21/01/2015	856	15300	1650	30	9190	4360	8560	< 1	0.0007	0.0006	0.0009	< 0.001	<0.0002	<0.002	< 0.005	New analysis method has reduced the LOR for some metals

Groundwater

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
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Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 36 <PDB1B>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	12/01/2015	12/01/2015	19/02/2015	6.23	46920	6.360	
Monthly	09/02/2015	09/02/2015	19/03/2015	6.36	47550	6.400	
Monthly	20/03/2015	20/03/2015	22/04/2015	6.50	48540	6.413	
Monthly	14/04/2015	14/04/2015	20/05/2015	6.26	48600	6.445	
Monthly	20/05/2015	20/05/2015	19/06/2015	6.51	44680	6.307	
Monthly	19/06/2015	19/06/2015	16/07/2015	6.45	43880	6.242	
Monthly	07/07/2015	07/07/2015	20/08/2015	6.43	44000	6.262	
Monthly	26/08/2015	26/08/2015	15/09/2015	6.32	43690	6.210	
Monthly	15/09/2015	15/09/2015	21/10/2015	6.56	44070	6.046	
Monthly	30/10/2015	30/10/2015	18/11/2015	6.03	48500	6.131	
Monthly	13/11/2015	13/11/2015	18/12/2015	6.15	49470	6.132	
Monthly	10/12/2015	10/12/2015	20/01/2016	6.12	49260	6.221	

Frequency	Date Sampled	Date Obtained	Date Published	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	12/01/2015	11/02/2015	19/02/2015	983	17800	1930	27	10100	4420	10400	4	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	0.092	
Quarterly	14/04/2015	28/04/2015	20/05/2015	796	15500	1610	20	8970	3970	8620	3	< 0.001	0.002	< 0.0001	< 0.001	< 0.001	0.22	0.01	
Quarterly	07/07/2015	14/08/2015	21/01/2015	965	16800	1920	27	10000	3950	10300	1	<0.0005	0.0013	< 0.0001	< 0.001	<0.0002	<0.002	0.008	New analysis method has reduced the LOR for some metals
Quarterly	30/10/2015	12/11/2015	21/01/2015	666	14000	1750	21	9500	4150	7630	8	<0.0005	0.0006	< 0.0001	0.002	0.0003	<0.002	0.039	New analysis method has reduced the LOR for some metals

Monitoring Point: 38 <PDB3A>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	27/01/2015	27/01/2015	19/02/2015	6.66	49620	80.974	
Monthly	18/02/2015	18/02/2015	19/03/2015	6.37	51860	81.170	
Monthly	23/03/2015	23/03/2015	22/04/2015	6.34	52560	81.288	
Monthly	29/04/2015	29/04/2015	20/05/2015	6.84	33440	81.827	Laboratory EC results 52000 µS/cm
Monthly	18/05/2015	18/05/2015	19/06/2015	6.43	47580	81.725	
Monthly	23/06/2015	23/06/2015	16/07/2015	7.01	39060	81.916	
Monthly	22/07/2015	22/07/2015	20/08/2015	6.62	43500	82.052	
Monthly	20/08/2015	20/08/2015	15/09/2015	6.37	46020	82.198	
Monthly	15/09/2015	15/09/2015	21/10/2015	6.70	45590	82.254	
Monthly	01/10/2015	01/10/2015	18/11/2015	6.73	52500	82.408	
Monthly	27/11/2015	27/11/2015	18/12/2015	6.64	51190	82.615	
Monthly	16/12/2015	16/12/2015	20/01/2016	6.49	50550	82.635	

Frequency	Date Sampled	Date Obtained	Date Published	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	27/01/2015	05/02/2015	19/02/2015	1110	19200	1910	32	9910	3720	10600	3	< 0.001	< 0.001	0.0063	< 0.001	< 0.001	0.14	< 0.005	
Quarterly	29/04/2015	11/05/2015	20/05/2015	896	17100	1980	384	10200	4040	7100	< 1	< 0.001	< 0.001	0.0054	< 0.001	< 0.001	< 0.01	< 0.005	
Quarterly	21/07/2015	14/08/2015	21/01/2015	1120	13400	1790	32	8830	3680	10200	< 1	<0.0005	0.0019	0.0057	0.004	<0.0002	0.003	0.028	New analysis method has reduced the LOR for some metals
Quarterly	01/10/2015	23/10/2015	21/01/2015	211	2100	106	50	1160	907	963	22	0.0016	0.0009	0.0002	0.038	<0.0002	0.002	0.582	New analysis method has reduced the LOR for some metals

Monitoring Point: 38 <PDB3B>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	27/01/2015	27/01/2015	19/02/2015	6.29	47550	18.697	
Monthly	18/02/2015	18/02/2015	19/03/2015	6.43	49230	18.826	
Monthly	23/03/2015	23/03/2015	22/04/2015	6.38	49110	18.973	
Monthly	14/04/2015	14/04/2015	20/05/2015	6.19	49050	19.133	
Monthly	18/05/2015	18/05/2015	19/06/2015	6.45	43610	19.297	
Monthly	25/06/2015	25/06/2015	16/07/2015	6.59	42800	19.526	
Monthly	22/07/2015	22/07/2015	20/08/2015	6.74	41260	19.668	
Monthly	20/08/2015	20/08/2015	15/09/2015	6.61	42730	19.813	
Monthly	15/09/2015	15/09/2015	21/10/2015	6.84	42730	19.957	
Monthly	01/10/2015	01/10/2015	18/11/2015	7.05	53100	20.044	
Monthly	19/11/2015	19/11/2015	18/12/2015	6.05	50210	20.266	
Monthly	14/12/2015	14/12/2015	20/01/2016	6.01	49820	20.385	

Frequency	Date Sampled	Date Obtained	Date Published	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	27/01/2015	09/02/2015	19/02/2015	1140	17700	2060	42	9920	5180	11300	2	< 0.001	< 0.001	0.0011	< 0.001	< 0.001	< 0.01	< 0.005	
Quarterly	14/04/2015	28/04/2015	20/05/2015	1060	15400	1860	43	8700	4910	10300	1	< 0.001	0.001	0.0006	< 0.001	< 0.001	0.25	< 0.005	
Quarterly	21/07/2015	14/08/2015	21/01/2015	1080	12300	1990	45	8570	5510	10900	< 1	<0.0005	0.0009	0.0006	<0.001	<0.0002	0.017	0.03	New analysis method has reduced the LOR for some metals
Quarterly	01/10/2015	23/10/2015	21/01/2015	1130	19200	1880	35	9390	3670	10600	6	<0.0005	0.0012	0.0059	0.004	0.002	0.003	0.033	New analysis method has reduced the LOR for some metals

Monitoring Point: 40 <PDB5A>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	12/01/2015	12/01/2015	19/02/2015	6.29	48120	29.706	
Monthly	20/02/2015	20/02/2015	19/03/2015	6.58	49970	29.952	
Monthly	23/03/2015	23/03/2015	22/04/2015	6.37	49940	30.196	
Monthly	14/04/2015	14/04/2015	20/05/2015	6.33	50190	30.392	
Monthly	22/05/2015	22/05/2015	19/06/2015	6.43	46360	30.671	
Monthly	19/06/2015	19/06/2015	16/07/2015	6.69	43970	30.861	
Monthly	22/07/2015	22/07/2015	20/08/2015	6.82	43150	31.097	
Monthly	26/08/2015	26/08/2015	15/09/2015	6.50	44530	30.153	
Monthly	16/09/2015	16/09/2015	21/10/2015	6.55	45850	31.186	
Monthly	28/10/2015	28/10/2015	18/11/2015	6.37	50600	31.287	
Monthly	27/11/2015	27/11/2015	18/12/2015	6.33	50470	31.381	
Monthly	14/12/2015	14/12/2015	20/01/2016	6.35	51530	31.436	

Frequency	Date Sampled	Date Obtained	Date Published	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	12/01/2015	11/02/2015	19/02/2015	849	17800	2050	44	10100	3800	10600	< 1	< 0.001	0.016	0.0038	< 0.001	< 0.001	0.10	< 0.005	
Quarterly	14/04/2015	28/04/2015	20/05/2015	905	18800	2020	44	10700	3540	10600	1	< 0.001	0.006	0.0034	< 0.001	0.006	0.22	0.054	
Quarterly	21/07/2015	14/08/2015	21/01/2015	759	13200	1880	41	9260	3480	9640	< 1	< 0.0005	0.0046	0.0038	0.001	<0.0002	0.003	0.075	New analysis method has reduced the LOR for some metals
Quarterly	28/10/2015	06/11/2015	21/01/2015	828	18700	2140	43	11200	3530	10900	< 1	< 0.0005	0.0053	0.0044	<0.001	0.0004	0.004	0.092	New analysis method has reduced the LOR for some metals

Groundwater

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 40 <PDB5B>
Groundwater quality monitoring, Pit dewatering bore

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	12/01/2015	12/01/2015	19/02/2015	6.02	47180	16.046	
Monthly	20/02/2015	20/02/2015	19/03/2015	6.24	48700	16.577	
Monthly	23/03/2015	23/03/2015	22/04/2015	6.11	48590	16.845	
Monthly	14/04/2015	14/04/2015	20/05/2015	6.11	48670	17.143	
Monthly	22/05/2015	22/05/2015	19/06/2015	6.21	44050	17.630	
Monthly	19/06/2015	19/06/2015	16/07/2015	6.36	42760	18.961	
Monthly	22/07/2015	22/07/2015	20/08/2015	6.57	41980	18.279	
Monthly	26/08/2015	26/08/2015	15/09/2015	6.33	42470	18.445	
Monthly	16/09/2015	16/09/2015	21/10/2015	6.26	43720	18.461	
Monthly	28/10/2015	28/10/2015	18/11/2015	5.92	48500	18.545	
Monthly	27/11/2015	27/11/2015	18/12/2015	5.92	48240	18.647	
Monthly	14/12/2015	14/12/2015	20/01/2016	5.93	49220	18.686	

Frequency	Date Sampled	Date Obtained	Date Published	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	Comments
Quarterly	12/01/2015	11/02/2015	19/02/2015	937	17100	1920	49	9680	3940	10200	10	< 0.001	< 0.001	0.0013	< 0.001	< 0.001	< 0.01	< 0.005	
Quarterly	14/04/2015	28/04/2015	20/05/2015	795	15300	1650	42	8850	3480	8780	46	< 0.001	0.003	0.0011	< 0.001	< 0.001	0.21	< 0.005	
Quarterly	21/07/2015	14/08/2015	21/01/2015	820	12500	1740	42	8570	3780	9210	< 1	<0.0005	0.0018	0.0012	<0.001	<0.0002	<0.002	0.039	New analysis method has reduced the LOR for some metals
Quarterly	28/10/2015	06/11/2015	21/01/2015	489	17700	1500	22	10900	3630	7400	< 1	<0.0005	<0.0005	< 0.0001	< 0.001	0.0004	0.004	<0.005	New analysis method has reduced the LOR for some metals

Monitoring Point: 44 <MON01A>
Groundwater quality monitoring, Groundwater monitoring bore located to the east of the northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	27/01/2015	27/01/2015	19/02/2015	6.54	44090	11.817	
Monthly	09/02/2015	09/02/2015	19/03/2015	6.49	45330	11.862	
Monthly	23/03/2015	23/03/2015	22/04/2015	6.61	45710	11.823	
Monthly	15/04/2015	15/04/2015	20/05/2015	6.45	45860	11.844	
Monthly	19/05/2015	19/05/2015	19/06/2015	6.72	40610	11.822	
Monthly	23/06/2015	23/06/2015	16/07/2015	6.83	40710	11.803	
Monthly	07/07/2015	07/07/2015	20/08/2015	6.57	40460	11.773	
Monthly	18/08/2015	18/08/2015	15/09/2015	6.57	39510	11.759	
Monthly	16/09/2015	16/09/2015	21/10/2015	6.36	40940	11.710	
Monthly	01/10/2015	01/10/2015	18/11/2015	6.89	41700	11.722	
Monthly	25/11/2015	25/11/2015	18/12/2015	6.47	45360	11.645	
Monthly	08/12/2015	08/12/2015	20/01/2016	6.43	46340	11.653	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	27/01/2015	09/02/2015	19/02/2015	316	459	15600	1360	23	10200	4570	6750	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	-	Q1 WAD cyanide will be analysed in February
Quarterly	18/02/2015	27/02/2015	19/03/2015	336	504	16400	1440	28	11300	4400	7190	< 1	< 0.001	0.002	< 0.0001	< 0.001	< 0.001	< 0.01	0.006	< 0.004	
Quarterly	15/04/2015	28/04/2015	20/05/2015	323	473	14000	1220	22	8850	4020	6200	< 1	< 0.001	0.004	0.0001	< 0.001	< 0.001	0.19	< 0.005	< 0.004	
Quarterly	07/07/2015	14/08/2015	21/01/2015	335	561	15600	1400	28	9400	4240	7170	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	New analysis method has reduced the LOR for some metals. Intial WAD Cyanide analysis measured 0.032 mg/L, however no WAD cyanide was detected during retesting of the sample
Quarterly	01/10/2015	23/10/2015	21/01/2015	288	426	14200	1280	26	8460	3770	6330	2	< 0.001	< 0.001	0.0017	< 0.001	< 0.001	< 0.01	0.066	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 44 <MON01B>
Groundwater quality monitoring, Groundwater monitoring bore located to the east of the northern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	27/01/2015	27/01/2015	19/02/2015	6.40	44940	13.463	
Monthly	06/02/2015	06/02/2015	19/03/2015	6.26	45920	13.470	
Monthly	19/03/2015	19/03/2015	22/04/2015	6.12	46540	13.430	
Monthly	28/04/2015	28/04/2015	20/05/2015	6.85	30960	13.506	Laboratory EC results 45100 µS/cm
Monthly	28/05/2015	28/05/2015	19/06/2015	6.72	41870	13.440	
Monthly	26/06/2015	26/06/2015	16/07/2015	6.86	38250	13.493	
Monthly	09/07/2015	09/07/2015	20/08/2015	6.78	35180	13.471	
Monthly	28/08/2015	28/08/2015	15/09/2015	7.19	32740	13.435	
Monthly	15/09/2015	15/09/2015	21/10/2015	7.05	15140	13.300	Freshwater inflow into bore well after 21mm on the 08/09/2015
Monthly	01/10/2015	01/10/2015	18/11/2015	6.98	39250	13.365	
Monthly	27/11/2015	27/11/2015	18/12/2015	6.95	37820	13.320	
Monthly	08/12/2015	08/12/2015	20/01/2016	5.60	33530	13.270	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	27/01/2015	05/02/2015	19/02/2015	9	483	16200	1530	43	10500	4890	7510	8	< 0.001	< 0.001	< 0.0001	< 0.001	0.016	0.12	< 0.005	< 0.004	
Quarterly	28/04/2015	12/05/2015	20/05/2015	21	525	13600	1470	42	9480	4910	7360	5	< 0.001	< 0.001	< 0.0001	< 0.001	0.012	< 0.01	< 0.005	< 0.004	
Quarterly	09/07/2015	14/08/2015	21/01/2015	7	546	15500	1510	51	9750	4410	7580	22	<0.0005	0.0032	0.0003	0.006	0.0132	0.006	0.044	< 0.004	New analysis method has reduced the LOR for some metals. Intial WAD Cyanide analysis measured 0.007 mg/L, however no WAD cyanide was detected during retesting of the sample
Quarterly	01/10/2015	23/10/2015	21/01/2015	37	236	9950	666	30	5290	2490	3330	5	<0.0005	0.001	<0.0001	0.004	0.0046	0.002	0.109	< 0.004	New analysis method has reduced the LOR for some metals

Monitoring Point: 45 <MON02A>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	13/01/2015	13/01/2015	19/02/2015	6.72	38340	11.467	
Monthly	10/02/2015	10/02/2015	19/03/2015	6.69	39360	11.493	
Monthly	24/03/2015	24/03/2015	22/04/2015	6.87	39560	11.432	
Monthly	23/04/2015	23/04/2015	20/05/2015	6.02	36350	11.402	
Monthly	19/05/2015	19/05/2015	19/06/2015	6.72	35510	11.397	
Monthly	22/06/2015	22/06/2015	16/07/2015	7.01	35000	11.379	
Monthly	29/07/2015	29/07/2015	20/08/2015	7.20	34420	11.371	
Monthly	19/08/2015	19/08/2015	15/09/2015	6.69	34940	11.335	
Monthly	17/09/2015	17/09/2015	21/10/2015	6.77	35670	11.302	
Monthly	26/10/2015	26/10/2015	18/11/2015	6.64	39900	11.266	
Monthly	26/11/2015	26/11/2015	18/12/2015	6.67	39380	11.170	
Monthly	09/12/2015	09/12/2015	20/01/2016	6.69	40270	11.155	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	13/01/2015	11/02/2015	19/02/2015	654	529	14100	1340	50	8760	3590	6840	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	23/04/2015	04/05/2015	20/05/2015	691	586	13600	1350	49	8930	3350	7020	< 1	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	28/07/2015	14/08/2015	20/08/2015	757	422	8890	1160	55	7680	3270	5830	< 1	< 0.0005	< 0.0005	< 0.0001	0.005	< 0.0002	0.008	0.043	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	26/10/2015	09/11/2015	21/01/2015	716	471	13000	1270	46	8760	3440	6400	< 1	< 0.0005	< 0.0005	0.0002	0.003	0.0002	0.01	0.018	< 0.004	New analysis method has reduced the LOR for some metals

Groundwater

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 45 <MON02B>
Groundwater quality monitoring, Groundwater monitoring bore located to the south of the southern tailings storage facility

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	21/01/2015	21/01/2015	19/02/2015	6.70	31280	11.504	
Monthly	18/02/2015	18/02/2015	19/03/2015	6.78	32040	11.581	
Monthly	24/03/2015	24/03/2015	22/04/2015	6.83	33430	11.325	
Monthly	23/04/2015	23/04/2015	20/05/2015	6.01	24540	11.386	
Monthly	19/05/2015	19/05/2015	19/06/2015	6.77	31780	11.168	
Monthly	22/06/2015	22/06/2015	16/07/2015	7.06	24760	11.179	
Monthly	29/07/2015	29/07/2015	20/08/2015	7.65	8274	11.025	Laboratory EC results 12000 µS/cm
Monthly	19/08/2015	19/08/2015	15/09/2015	6.84	22270	11.085	
Monthly	22/09/2015	22/09/2015	21/10/2015	6.83	22130	10.745	
Monthly	26/10/2015	26/10/2015	18/11/2015	6.77	29400	10.558	
Monthly	26/11/2015	26/11/2015	18/12/2015	6.75	25800	10.472	
Monthly	09/12/2015	09/12/2015	20/01/2016	6.73	33790	10.505	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulphate (mg/L)	Total Hardness (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)	WAD Cyanide (mg/L)	Comments
Quarterly	21/01/2015	02/02/2015	19/02/2015	582	365	11400	1050	57	6390	2720	5240	93	< 0.001	< 0.001	< 0.0001	0.084	< 0.001	0.01	0.006	< 0.004	
Quarterly	23/04/2015	04/05/2015	20/05/2015	600	280	9090	806	50	4890	2270	4020	56	< 0.001	< 0.001	< 0.0001	0.022	< 0.001	< 0.01	< 0.005	< 0.004	
Quarterly	28/07/2015	14/08/2015	20/08/2015	352	108	2680	299	28	2190	738	1500	103	< 0.0005	< 0.0005	< 0.0001	0.019	< 0.0002	0.002	< 0.005	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	22/09/2015	16/12/2015	18/12/2015	527	290	7200	710	48	4520	1810	3650	218	0.0011	0.0007	< 0.0001	0.018	0.0002	0.008	0.043	< 0.004	New analysis method has reduced the LOR for some metals
Quarterly	26/10/2015	09/11/2015	21/01/2015	685	311	10200	923	52	5980	2690	4580	152	< 0.0005	< 0.0005	< 0.0001	0.027	0.0002	0.014	0.017	< 0.004	New analysis method has reduced the LOR for some metals

Waste Rock Leachate

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 41 <Northern Waste Emplacement>
Northern Waste Emplacement leachate quality monitoring, Northern Waste Emplacement External Toe Drain

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	06/01/2015	06/01/2015	19/02/2015	8.48	7680	-	
Monthly	03/02/2015	03/02/2015	19/02/2015	8.77	24000	-	
Monthly	05/03/2015	05/03/2015	19/03/2015	-	-	-	No water present in external toe drain
Monthly	27/04/2015	27/04/2015	20/05/2015	7.77	18400	-	
Monthly	04/05/2015	04/05/2015	19/06/2015	8.39	19140	-	
Monthly	18/06/2015	18/06/2015	16/07/2015	7.57	17400	-	
Monthly	20/07/2015	20/07/2015	20/08/2015	7.52	13720	-	
Monthly	04/08/2015	04/08/2015	15/09/2015	8.06	15240	-	
Monthly	09/09/2015	09/09/2015	21/10/2015	7.23	8713	-	
Monthly	22/10/2015	22/10/2015	18/11/2015	6.86	14550	-	
Monthly	11/11/2015	11/11/2015	20/01/2016	7.73	18010	-	
Monthly	14/12/2015	14/12/2015	18/12/2015	8.98	21260	-	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Comments
Quarterly	06/01/2015	16/01/2015	19/02/2015	9	0.001	0.002	0.0001	236	1870	0.005	0.001	126	10	0.01	1340	
Quarterly	27/04/2015	05/05/2015	20/05/2015	<1	<0.010	<0.010	<0.0010	526	5360	<0.010	<0.010	497	18	<0.10	3590	
Quarterly	20/07/2015	29/07/2015	20/08/2015	1	0.001	0.003	0.0002	425	3200	0.011	0.001	309	14	0.01	2490	
Quarterly	22/10/2015	22/10/2015	18/11/2015	<1	0.001	0.003	0.0005	410	4560	0.013	<0.001	344	16	<0.01	2920	

Monitoring Point: 42 <Southern Waste Emplacement>
Southern Waste Emplacement leachate quality monitoring, Northern Waste Emplacement External Toe Drain

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	06/01/2015	06/01/2015	19/02/2015	7.83	10750	-	
Monthly	03/02/2015	03/02/2015	19/02/2015	7.97	22030	-	
Monthly	05/03/2015	05/03/2015	19/03/2015	7.10	19680	-	
Monthly	27/04/2015	27/04/2015	20/05/2015	8.14	11150	-	
Monthly	04/05/2015	04/05/2015	19/06/2015	8.25	16950	-	
Monthly	02/06/2015	02/06/2015	16/07/2015	7.43	2330	-	Possible field sampling error
Monthly	01/07/2015	01/07/2015	20/08/2015	7.48	21320	-	
Monthly	04/08/2015	04/08/2015	15/09/2015	7.56	19640	-	
Monthly	09/092015	09/09/2015	21/10/2015	7.39	14570	-	
Monthly	22/10/2015	22/10/2015	18/11/2015	7.76	16010	-	
Monthly	11/11/2015	11/11/2015	20/01/2016	7.21	18010	-	
Monthly	04/12/2015	04/12/2015	18/12/2015	7.42	19450	-	

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Comments
Quarterly	06/01/2015	16/01/2015	19/02/2015	1	0.001	0.004	0.0007	293	3340	0.002	0.001	249	14	0.01	1820	
Quarterly	27/04/2015	05/05/2015	20/05/2015	<1	<0.010	<0.010	0.0013	361	3730	<0.010	<0.010	343	15	<0.10	2130	
Quarterly	01/07/2015	09/07/2015	20/08/2015	1	0.002	0.004	0.0018	551	7120	0.002	0.001	672	21	0.02	3660	
Quarterly	22/10/2015	22/10/2015	18/11/2015	<1	<0.001	0.002	0.0008	408	5420	0.002	<0.001	457	19	0.01	2800	

Monitoring Point: 43 <Perimeter Waste Emplacement>
Perimeter Waste Emplacement leachate quality monitoring, Northern Waste Emplacement External Toe Drain

Frequency	Date Sampled	Date Obtained	Date Published	pH (units)	Electrical Conductivity (µS/cm)	SWL (m)	Comments
Monthly	06/01/2015	06/01/2015	19/02/2015	-	-	-	No water present in external toe drain
Monthly	03/02/2015	03/02/2015	19/02/2015	-	-	-	No water present in external toe drain
Monthly	05/03/2015	05/03/2015	19/03/2015	-	-	-	No water present in external toe drain
Monthly	27/04/2015	27/04/2015	20/05/2015	-	-	-	No water present in external toe drain
Monthly	04/05/2015	04/05/2015	19/06/2015	-	-	-	No water present in external toe drain
Monthly	18/06/2015	18/06/2015	16/07/2015	-	-	-	No water present in external toe drain
Monthly	20/07/2015	20/07/2015	20/08/2015	-	-	-	No water present in external toe drain
Monthly	04/08/2015	04/08/2015	15/09/2015	-	-	-	No water present in external toe drain
Monthly	09/092015	09/09/2015	21/10/2015	-	-	-	No water present in external toe drain
Monthly	22/10/2015	22/10/2015	18/11/2015	-	-	-	No water present in external toe drain
Monthly	11/11/2015	11/11/2015	20/01/2016	-	-	-	No water present in external toe drain
Monthly	04/12/2015	04/12/2015	18/12/2015	-	-	-	No water present in external toe drain

Frequency	Date Sampled	Date Obtained	Date Published	Alkalinity (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Copper (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Comments
Quarterly	06/01/2015	06/01/2015	19/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	No water present in external toe drain
Quarterly	27/04/2015	05/05/2015	20/05/2015	-	-	-	-	-	-	-	-	-	-	-	-	No water present in external toe drain
Quarterly	20/07/2015	20/07/2015	20/08/2015	-	-	-	-	-	-	-	-	-	-	-	-	No water present in external toe drain
Quarterly	22/10/2015	22/10/2015	18/11/2015	-	-	-	-	-	-	-	-	-	-	-	-	No water present in external toe drain

Ambient Noise

EPL No: 11 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Q1 Noise Monitoring - January 2015

Daytime Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	21/01/2015	03/02/2015	19/02/2015	21	22	-	
N05	22/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM inaudible
N09	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM faintly audible
N10	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM inaudible
N11	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	37	CGM inaudible
N12	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM inaudible
N13	22/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM inaudible
N14	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	35	CGM faintly audible

Evening Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	21/01/2015	03/02/2015	19/02/2015	26	24	-	
N05	22/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM faintly audible
N09	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM inaudible
N10	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM faintly audible
N11	22/01/2015	03/02/2015	19/02/2015	n/a	n/a	37	CGM faintly audible
N12	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM faintly audible
N13	22/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM faintly audible
N14	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	35	CGM inaudible

Night time Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	21/01/2015	03/02/2015	19/02/2015	24	23	-	
N05	22/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM inaudible
N09	21/01/2015	03/02/2015	19/02/2015	31	29	36	
N10	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM faintly audible
N11	21/01/2015	03/02/2015	19/02/2015	21	21	37	
N12	21/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM faintly audible
N13	22/01/2015	03/02/2015	19/02/2015	n/a	n/a	36	CGM inaudible
N14	21/01/2015	03/02/2015	19/02/2015	27	27	35	

n/a - Mine noise emission not discernible

Q2 Noise Monitoring

Daytime Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	14/04/2015	29/04/2015	20/05/2015	26	23	-	
N05	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM faintly audible
N09	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM inaudible
N10	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM faintly audible
N11	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	37	CGM inaudible
N12	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM inaudible
N13	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM faintly audible
N14	14/04/2015	29/04/2015	20/05/2015	22	20	35	

Evening Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	14/04/2015	29/04/2015	20/05/2015	28	29	-	
N05	14/04/2015	29/04/2015	20/05/2015	22	22	36	
N09	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM faintly audible
N10	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM faintly audible
N11	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	37	CGM inaudible
N12	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM inaudible
N13	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM faintly audible
N14	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	35	CGM faintly audible

Night time Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	-	CGM faintly audible
N05	15/04/2015	29/04/2015	20/05/2015	22	22	36	
N09	15/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM faintly audible
N10	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM faintly audible
N11	14/04/2015	29/04/2015	20/05/2015	n/a	n/a	37	CGM inaudible
N12	15/04/2015	29/04/2015	20/05/2015	n/a	n/a	36	CGM inaudible
N13	14/04/2015	29/04/2015	20/05/2015	22	22	36	
N14	15/04/2015	29/04/2015	20/05/2015	25	25	35	

N/A - Mine noise emission not discernible

Q3 Noise Monitoring

Daytime Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	07/07/2015	20/07/2015	20/08/2015	28	27	-	
N05	08/07/2015	20/07/2015	20/08/2015	23	22	36	
N09	07/07/2015	20/07/2015	20/08/2015	<20	<20	36	
N10	07/07/2015	20/07/2015	20/08/2015	<20	<20	36	
N11	07/07/2015	20/07/2015	20/08/2015	<20	<20	37	
N12	07/07/2015	20/07/2015	20/08/2015	<20	<20	36	
N13	08/07/2015	20/07/2015	20/08/2015	25	24	36	
N14	07/07/2015	20/07/2015	20/08/2015	<20	<20	35	

Evening Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	07/07/2015	20/07/2015	20/08/2015	28	28	-	
N05	06/07/2015	20/07/2015	20/08/2015	20	23	36	
N09	07/07/2015	20/07/2015	20/08/2015	21	21	36	
N10	07/07/2015	20/07/2015	20/08/2015	<20	<20	36	
N11	07/07/2015	20/07/2015	20/08/2015	23	23	37	
N12	07/07/2015	20/07/2015	20/08/2015	22	25	36	
N13	06/07/2015	20/07/2015	20/08/2015	20	22	36	
N14	07/07/2015	20/07/2015	20/08/2015	<10	<10	35	

Night time Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	07/07/2015	20/07/2015	20/08/2015	28	30	-	
N05	06/07/2015	20/07/2015	20/08/2015	24	22	36	
N09	08/07/2015	20/07/2015	20/08/2015	22	20	36	
N10	08/07/2015	20/07/2015	20/08/2015	<20	<20	36	
N11	08/07/2015	20/07/2015	20/08/2015	20	22	37	
N12	07/07/2015	20/07/2015	20/08/2015	22	23	36	
N13	06/07/2015	20/07/2015	20/08/2015	21	22	36	
N14	08/07/2015	20/07/2015	20/08/2015	25	24	35	

N/A - Mine noise emission not discernible

Q4 Noise Monitoring

Daytime Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	08/10/2015	09/11/2015	18/11/2015	21	21	-	
N05	09/10/2015	09/11/2015	18/11/2015	27	27	36	
N09	08/10/2015	09/11/2015	18/11/2015	<20	<20	36	
N10	08/10/2015	09/11/2015	18/11/2015	21	21	36	
N11	08/10/2015	09/11/2015	18/11/2015	<20	<20	37	
N12	08/10/2015	09/11/2015	18/11/2015	<20	<20	36	
N13	09/10/2015	09/11/2015	18/11/2015	28	29	36	
N14	08/10/2015	09/11/2015	18/11/2015	<20	<20	35	

Evening Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	08/10/2015	09/11/2015	18/11/2015	23	24	-	
N05	07/10/2015	09/11/2015	18/11/2015	<20	<20	36	
N09	08/10/2015	09/11/2015	18/11/2015	<20	<20	36	
N10	08/10/2015	09/11/2015	18/11/2015	23	21	36	
N11	08/10/2015	09/11/2015	18/11/2015	<20	<20	37	
N12	08/10/2015	09/11/2015	18/11/2015	<20	21	36	
N13	07/10/2015	09/11/2015	18/11/2015	<20	<20	36	
N14	08/10/2015	09/11/2015	18/11/2015	<20	<20	35	

Night time Mine Operating Intrusive Noise Levels (dBA re 20 µPa)

Location	Date Sampled	Date Obtained	Date Published	Mine Contributed $LA_{eq(15minute)}$ - dBA Survey 1	Survey 2	Noise Criteria $LA_{eq(15minute)}$ - dBA	Comments
N01	08/10/2015	09/11/2015	18/11/2015	23	22	-	
N05	07/10/2015	09/11/2015	18/11/2015	23	23	36	
N09	08/10/2015	09/11/2015	18/11/2015	<20	<20	36	
N10	09/10/2015	09/11/2015	18/11/2015	<20	<20	36	
N11	09/10/2015	09/11/2015	18/11/2015	<20	<20	37	
N12	09/10/2015	09/11/2015	18/11/2015	<20	<20	36	
N13	07/10/2015	09/11/2015	18/11/2015	22	23	36	
N14	08/10/2015	09/11/2015	18/11/2015	21	23	35	

N/A - Mine noise emission not discernible

Blasting & Ground Vibration

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: BM01
Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded at private residence to the south-east of ML1535 boundary

					Compliance Limits		BM01 at Blast Time		
Blast Number	**Day/Date**	**Time**	**Date Obtained**	**Date Published**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Comments**
JANUARY									
984-78	Thursday, 1 January 2015	12:30:41	09/02/2015	19/02/2015	1	95	0.10	88.0	
984-71	Friday, 2 January 2015	12:29:32	09/02/2015	19/02/2015	5	115	0.11	94.0	
975-53	Saturday, 3 January 2015	12:36:21	09/02/2015	19/02/2015	5	115	0.10	106.5	
993-79	Sunday, 4 January 2015	12:39:02	09/02/2015	19/02/2015	1	95	0.11	88.0	
984-79	Monday, 5 January 2015	12:41:48	09/02/2015	19/02/2015	5	115	0.10	91.5	
975-54	Monday, 5 January 2015	13:28:49	09/02/2015	19/02/2015	5	115	0.10	88.0	
975-55	Thursday, 8 January 2015	12:35:53	09/02/2015	19/02/2015	5	115	0.10	94.0	
984-72	Saturday, 10 January 2015	12:30:26	09/02/2015	19/02/2015	5	115	0.10	91.5	
975-49	Tuesday, 13 January 2015	12:28:18	09/02/2015	19/02/2015	5	115	0.10	95.9	
975-534	Tuesday, 13 January 2015	12:46:35	09/02/2015	19/02/2015	5	115	0.10	98.8	
984-73	Thursday, 15 January 2015	12:39:14	09/02/2015	19/02/2015	5	115	0.10	95.9	
975-70	Friday, 16 January 2015	12:32:00	09/02/2015	19/02/2015	5	115	0.11	88.0	
975-56	Saturday, 17 January 2015	12:32:11	09/02/2015	19/02/2015	5	115	0.11	88.0	
975-71	Saturday, 17 January 2015	12:34:13	09/02/2015	19/02/2015	5	115	0.10	91.5	
975-72	Sunday, 18 January 2015	12:25:41	09/02/2015	19/02/2015	1	95	0.10	94.0	
975-73	Monday, 19 January 2015	12:29:25	09/02/2015	19/02/2015	5	115	0.11	88.0	
984-80	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	5	115	0.10	88.0	
975-57	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	5	115	0.10	88.0	
984-81	Thursday, 22 January 2015	12:31:15	09/02/2015	19/02/2015	5	115	0.10	88.0	
975-58	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	5	115	0.11	88.0	
984-82	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	5	115	0.11	88.0	
975-59	Monday, 26 January 2015	12:35:44	09/02/2015	19/02/2015	1	95	0.10	88.0	
975-74	Thursday, 29 January 2015	12:33:01	09/02/2015	19/02/2015	5	115	0.10	94.0	
975-60	Friday, 30 January 2015	12:24:04	09/02/2015	19/02/2015	5	115	0.10	91.5	
957-518	Saturday, 31 January 2015	12:25:00	09/02/2015	19/02/2015	5	115	0.10	100.0	
984-83	Saturday, 31 January 2015	12:26:58	09/02/2015	19/02/2015	5	115	0.10	94.0	
FEBRUARY									
984-74	Sunday, 1 February 2015	12:35:41	06/03/2015	19/03/2015	1	**95**	0.09	**95.9**	Airblast overpressure exceedance was caused by localised environmental factors
957-519	Monday, 2 February 2015	12:35:09	06/03/2015	19/03/2015	5	115	0.10	88.0	
957-517	Wednesday, 4 February 2015	12:29:57	06/03/2015	19/03/2015	5	115	0.10	88.0	
984-84	Friday, 6 February 2015	12:35:02	06/03/2015	19/03/2015	5	115	0.10	88.0	
957-520	Friday, 6 February 2015	12:42:24	06/03/2015	19/03/2015	5	115	0.11	94.0	
984-85	Sunday, 8 February 2015	12:36:43	06/03/2015	19/03/2015	1	95	0.10	91.5	
957-521	Monday, 9 February 2015	12:28:06	06/03/2015	19/03/2015	5	115	0.10	88.0	
975-61	Tuesday, 10 February 2015	12:40:09	06/03/2015	19/03/2015	5	115	0.10	100.0	
984-86	Wednesday, 11 February 2015	13:05:23	06/03/2015	19/03/2015	5	115	0.10	101.0	
1011-545	Thursday, 12 February 2015	12:31:41	06/03/2015	19/03/2015	5	115	0.09	88.0	
975-62	Friday, 13 February 2015	12:31:36	06/03/2015	19/03/2015	5	115	0.10	91.5	
1011-544	Saturday, 14 February 2015	12:35:32	06/03/2015	19/03/2015	5	115	0.10	88.0	
966-49	Monday, 16 February 2015	12:23:08	06/03/2015	19/03/2015	5	115	0.10	94.0	
984-87	Monday, 16 February 2015	12:25:11	06/03/2015	19/03/2015	5	115	0.10	88.0	
966-50	Tuesday, 17 February 2015	12:29:00	06/03/2015	19/03/2015	5	115	0.11	102.8	
975-75	Thursday, 19 February 2015	12:34:28	06/03/2015	19/03/2015	5	115	0.10	88.0	
1020-106	Friday, 20 February 2015	12:47:00	06/03/2015	19/03/2015	5	115	0.10	88.0	
975-76	Saturday, 21 February 2015	12:32:33	06/03/2015	19/03/2015	5	115	0.10	94.0	
1020-107	Sunday, 22 February 2015	12:32:18	06/03/2015	19/03/2015	1	95	0.11	91.5	
975-77	Monday, 23 February 2015	12:30:38	06/03/2015	19/03/2015	5	115	0.10	88.0	
975-63-65	Tuesday, 24 February 2015	12:33:22	06/03/2015	19/03/2015	5	115	0.11	91.5	
957-522a	Wednesday, 25 February 2015	12:27:17	06/03/2015	19/03/2015	5	115	0.11	81.9	
975-64	Thursday, 26 February 2015	12:37:21	06/03/2015	19/03/2015	5	115	0.09	81.9	
1020-108	Friday, 27 February 2015	12:32:14	06/03/2015	19/03/2015	5	115	0.11	88.0	
MARCH									
975-66	Sunday, 1 March 2015	12:35:36	09/04/2015	22/04/2015	1	**95**	0.11	**101.9**	Airblast overpressure exceedance was caused by localised environmental factors
1020-109	Sunday, 1 March 2015	12:37:39	09/04/2015	22/04/2015	1	**95**	0.11	**101.0**	Airblast overpressure exceedance was caused by localised environmental factors
1020-110	Monday, 2 March 2015	12:29:00	09/04/2015	22/04/2015	5	115	0.09	88.0	
966-55	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	5	115	0.10	91.5	
957-523a	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	5	115	0.10	91.5	
975-67	Thursday, 5 March 2015	12:32:19	09/04/2015	22/04/2015	5	115	0.09	94.0	
957-524	Friday, 6 March 2015	12:32:01	09/04/2015	22/04/2015	5	115	0.10	98.8	
1011-101	Saturday, 7 March 2015	12:35:35	09/04/2015	22/04/2015	5	115	0.10	91.5	
966-56	Monday, 9 March 2015	12:34:56	09/04/2015	22/04/2015	5	115	0.10	91.5	
1011-102	Tuesday, 10 March 2015	12:29:48	09/04/2015	22/04/2015	5	115	0.10	91.5	
975-79	Thursday, 12 March 2015	12:47:49	09/04/2015	22/04/2015	5	115	0.11	88.0	
966-53	Friday, 13 March 2015	12:37:04	09/04/2015	22/04/2015	5	115	0.10	94.0	
975-81	Saturday, 14 March 2015	12:35:02	09/04/2015	22/04/2015	5	115	0.09	88.0	
966-54	Sunday, 15 March 2015	12:27:26	09/04/2015	22/04/2015	1	95	0.09	88.0	
975-80	Monday, 16 March 2015	12:31:58	09/04/2015	22/04/2015	5	115	0.10	91.5	
966-60	Tuesday, 17 March 2015	12:42:31	09/04/2015	22/04/2015	5	115	0.10	91.5	
1011-103	Tuesday, 17 March 2015	12:45:07	09/04/2015	22/04/2015	5	115	0.10	95.9	
957-522b-523b	Wednesday, 18 March 2015	12:33:40	09/04/2015	22/04/2015	5	115	0.09	94.0	
966-58	Thursday, 19 March 2015	12:28:37	09/04/2015	22/04/2015	5	115	0.12	88.0	
1011-104	Thursday, 19 March 2015	12:48:49	09/04/2015	22/04/2015	5	115	0.09	88.0	
1011-105	Friday, 20 March 2015	12:38:05	09/04/2015	22/04/2015	5	115	0.10	97.5	
966-57	Sunday, 22 March 2015	12:40:26	09/04/2015	22/04/2015	1	**95**	0.10	**102.8**	Airblast overpressure exceedance was caused by localised environmental factors
993-542	Tuesday, 24 March 2015	12:32:28	09/04/2015	22/04/2015	5	115	0.11	94.0	
966-51	Wednesday, 25 March 2015	12:34:37	09/04/2015	22/04/2015	5	115	0.09	91.5	
966-52	Thursday, 26 March 2015	12:33:30	09/04/2015	22/04/2015	5	115	0.09	106.5	
993-543	Friday, 27 March 2015	12:41:26	09/04/2015	22/04/2015	5	115	0.10	104.9	
993-544	Saturday, 28 March 2015	12:36:47	09/04/2015	22/04/2015	5	115	0.10	91.5	
966-61	Sunday, 29 March 2015	12:30:33	09/04/2015	22/04/2015	1	95	0.09	88.0	
1002-90	Tuesday, 31 March 2015	12:35:49	09/04/2015	22/04/2015	5	115	0.09	94.0	
APRIL									
993-545	Wednesday, 1 April 2015	12:31	06/05/2015	20/05/2015	5	115	0.09	91.5	
993-546	Thursday, 2 April 2015	12:29	06/05/2015	20/05/2015	5	115	0.09	95.9	
1002-91	Friday, 3 April 2015	12:42	06/05/2015	20/05/2015	1	95	0.09	81.9	
966-74	Sunday, 5 April 2015	13:43	06/05/2015	20/05/2015	1	95	0.09	88.0	
966-66	Monday, 6 April 2015	12:35	06/05/2015	20/05/2015	1	95	0.10	91.5	
966-75	Tuesday, 7 April 2015	12:14	06/05/2015	20/05/2015	5	115	0.09	101.9	
966-67	Thursday, 9 April 2015	12:30	06/05/2015	20/05/2015	5	115	0.10	81.9	
966-68a	Saturday, 11 April 2015	12:26	06/05/2015	20/05/2015	5	115	0.09	88.0	
957-49	Monday, 13 April 2015	12:26	06/05/2015	20/05/2015	5	115	0.10	88.0	
1002-92	Monday, 13 April 2015	12:28	06/05/2015	20/05/2015	5	115	0.10	88.0	
1002-93	Wednesday, 15 April 2015	12:33	06/05/2015	20/05/2015	5	115	0.09	98.8	
1002-94	Friday, 17 April 2015	12:31	06/05/2015	20/05/2015	5	115	0.11	88.0	
1002-95	Sunday, 19 April 2015	12:33	06/05/2015	20/05/2015	1	**95**	0.10	**97.5**	Airblast overpressure exceedance was caused by localised environmental factors
957-50	Monday, 20 April 2015	12:46	06/05/2015	20/05/2015	5	115	0.10	88.0	
966-62	Saturday, 25 April 2015	13:07	06/05/2015	20/05/2015	1	95	0.11	88.0	
984-88	Sunday, 26 April 2015	12:27	06/05/2015	20/05/2015	1	**95**	0.10	**98.8**	Airblast overpressure exceedance was caused by localised environmental factors
993-89	Monday, 27 April 2015	12:33	06/05/2015	20/05/2015	5	115	0.11	98.8	
966-63	Tuesday, 28 April 2015	12:32	06/05/2015	20/05/2015	5	115	0.11	88.0	
966-64	Wednesday, 29 April 2015	12:36	06/05/2015	20/05/2015	5	115	0.11	91.5	
993-90	Thursday, 30 April 2015	12:42	06/05/2015	20/05/2015	5	115	0.11	98.8	
MAY									
966-65	Saturday, 2 May 2015	12:40	05/06/2015	19/06/2015	5	115	0.11	94.0	
993-91	Sunday, 3 May 2015	12:29	05/06/2015	19/06/2015	1	95	0.11	91.5	
957-51	Tuesday, 5 May 2015	12:28	05/06/2015	19/06/2015	5	115	0.12	112.0	
957-53	Thursday, 7 May 2015	12:29	05/06/2015	19/06/2015	5	115	0.11	94.0	
966-76	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.10	88.0	
957-52	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.11	94.0	
993-95	Saturday, 9 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.11	101.9	
993-94	Monday, 11 May 2015	12:32	05/06/2015	19/06/2015	5	115	0.11	109.9	
957-54	Tuesday, 12 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.10	98.8	
957-55	Thursday, 14 May 2015	12:38	05/06/2015	19/06/2015	5	115	0.11	97.5	
975-535	Thursday, 14 May 2015	12:40	05/06/2015	19/06/2015	5	115	0.11	98.8	
957-56	Saturday, 16 May 2015	12:33	05/06/2015	19/06/2015	5	115	0.11	88.0	
975-536	Saturday, 16 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.11	91.5	
993-93	Sunday, 17 May 2015	12:36	05/06/2015	19/06/2015	1	95	0.11	88.0	
957-57	Tuesday, 19 May 2015	12:36	05/06/2015	19/06/2015	5	115	0.11	94.0	
975-537	Wednesday, 20 May 2015	12:35	05/06/2015	19/06/2015	5	115	0.11	91.5	
993-92	Wednesday, 20 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.11	94.0	
966-59a	Friday, 22 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.11	102.8	
957-58	Saturday, 23 May 2015	12:27	05/06/2015	19/06/2015	5	115	0.11	88.0	
957-59	Monday, 25 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.11	88.0	
975-538	Wednesday, 27 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.11	95.9	
984-89	Wednesday, 27 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.10	91.5	
975-539	Friday, 29 May 2015	12:44	05/06/2015	19/06/2015	5	115	0.11	91.5	
984-90	Friday, 29 May 2015	12:49	05/06/2015	19/06/2015	5	115	0.11	88.0	
975-540	Saturday, 30 May 2015	12:33	05/06/2015	19/06/2015	5	115	0.10	88.0	
JUNE									
975-541	Monday, 1 June 2015	12:49:21	03/07/2015	16/07/2015	5	115	0.11	102.8	
984-91	Monday, 1 June 2015	12:52:15	03/07/2015	16/07/2015	5	115	0.12	95.9	
975-542	Thursday, 4 June 2015	12:39:24	03/07/2015	16/07/2015	5	115	0.11	91.5	
984-92	Friday, 5 June 2015	12:47:28	03/07/2015	16/07/2015	5	115	0.11	88.0	
984-97	Sunday, 7 June 2015	12:37:53	03/07/2015	16/07/2015	1	95	0.11	91.5	
957-60	Wednesday, 10 June 2015	12:35:14	03/07/2015	16/07/2015	5	115	0.11	88.0	
957-61	Friday, 12 June 2015	12:29:06	03/07/2015	16/07/2015	5	115	0.11	88.0	
984-93	Sunday, 21 June 2015	9:21:28	03/07/2015	16/07/2015	1	95	0.11	88.0	
984-94a	Monday, 22 June 2015	12:30:37	03/07/2015	16/07/2015	5	115	0.11	91.5	
984-94b-95	Sunday, 28 June 2015	12:34:54	03/07/2015	16/07/2015	1	95	0.10	91.5	
975-82	Tuesday, 30 June 2015	12:34:21	03/07/2015	16/07/2015	5	115	0.11	91.5	
JULY									
984-96	Saturday, 4 July 2015	12:45:36	14/08/2015	20/08/2015	5	115	0.12	91.5	
975-83	Monday, 6 July 2015	12:28:56	14/08/2015	20/08/2015	5	115	0.11	88.0	
957-62	Tuesday, 7 July 2015	12:39:18	14/08/2015	20/08/2015	5	115	0.12	88.0	
957-63	Friday, 10 July 2015	12:39:57	14/08/2015	20/08/2015	5	115	0.12	97.5	
975-84	Sunday, 12 July 2015	12:41:05	14/08/2015	20/08/2015	1	**95**	0.11	**113.8**	Airblast overpressure exceedance was caused by localised environmental factors
975-85	Wednesday, 15 July 2015	12:29:10	14/08/2015	20/08/2015	5	115	0.11	88.0	
957-64	Friday, 17 July 2015	12:39:23	14/08/2015	20/08/2015	5	115	0.11	106.0	
975-86	Saturday, 18 July 2015	12:35:11	14/08/2015	20/08/2015	5	115	0.12	88.0	
975-87	Monday, 20 July 2015	13:26:00	14/08/2015	20/08/2015	5	115	0.12	91.5	
975-88	Wednesday, 22 July 2015	13:31:30	14/08/2015	20/08/2015	5	115	0.11	94.0	
948-32	Saturday, 25 July 2015	12:30:56	14/08/2015	20/08/2015	5	115	0.12	100.0	
957-533	Monday, 27 July 2015	12:44:28	14/08/2015	20/08/2015	5	115	0.12	107.5	
957-532	Tuesday, 28 July 2015	12:31:09	14/08/2015	20/08/2015	5	115	0.12	101.9	
975-89	Wednesday, 29 July 2015	12:38:53	14/08/2015	20/08/2015	5	115	0.12	88.0	
966-59b	Friday, 31 July 2015	12:49:12	14/08/2015	20/08/2015	5	115	0.12	91.5	
AUGUST									
975-91	Monday, 3 August 2015	12:52:52	07/09/2015	15/09/2015	5	115	0.11	101.0	
966-72	Tuesday, 4 August 2015	12:40:26	07/09/2015	15/09/2015	5	115	0.10	91.5	
957-531	Wednesday, 5 August 2015	12:38:30	07/09/2015	15/09/2015	5	115	0.11	102.8	
975-90	Friday, 7 August 2015	15:43:02	07/09/2015	15/09/2015	5	115	0.11	88.0	
966-73	Sunday, 9 August 2015	12:28:15	07/09/2015	15/09/2015	1	95	0.11	88.0	
957-530	Monday, 10 August 2015	12:30:43	07/09/2015	15/09/2015	5	115	0.11	102.8	
966-71a	Tuesday, 11 August 2015	12:34:16	07/09/2015	15/09/2015	5	115	0.11	91.5	
957-529	Wednesday, 12 August 2015	12:31:19	07/09/2015	15/09/2015	5	115	0.11	101.9	
957-528	Thursday, 13 August 2015	12:31:59	07/09/2015	15/09/2015	5	115	0.13	95.9	
966-71b	Saturday, 15 August 2015	12:32:37	07/09/2015	15/09/2015	5	115	0.11	88.0	
966-85	Tuesday, 18 August 2015	12:35:43	07/09/2015	15/09/2015	5	115	0.11	88.0	
966-70	Wednesday, 19 August 2015	12:38:26	07/09/2015	15/09/2015	5	115	0.11	88.0	
966-77	Thursday, 20 August 2015	12:31:04	07/09/2015	15/09/2015	5	115	0.11	88.0	
957-527	Saturday, 22 August 2015	12:30:34	07/09/2015	15/09/2015	5	115	0.11	102.8	
948-33	Monday, 24 August 2015	12:31:20	07/09/2015	15/09/2015	5	115	0.11	91.5	
957-76	Wednesday, 26 August 2015	12:35:11	07/09/2015	15/09/2015	5	115	0.11	91.5	
966-69a	Wednesday, 26 August 2015	12:37:22	07/09/2015	15/09/2015	5	115	0.11	95.9	
957-75	Sunday, 30 August 2015	12:34:41	07/09/2015	15/09/2015	1	95	0.10	91.5	
SEPTEMBER									
966-84	Wednesday, 2 September 2015	15:13:05	07/10/2015	21/10/2015	5	115	0.12	91.5	
957-65	Friday, 4 September 2015	12:31:47	07/10/2015	21/10/2015	5	115	0.11	88.0	
966-83	Saturday, 5 September 2015	12:29:16	07/10/2015	21/10/2015	5	115	0.11	88.0	
966-82	Sunday, 6 September 2015	12:38:17	07/10/2015	21/10/2015	1	95	0.11	88.0	
966-81	Tuesday, 8 September 2015	12:30:46	07/10/2015	21/10/2015	5	115	0.11	101.0	
939-535	Wednesday, 9 September 2015	12:26:04	07/10/2015	21/10/2015	5	115	0.11	104.2	
957-67	Friday, 11 September 2015	12:27:16	07/10/2015	21/10/2015	5	115	0.12	88.0	
939-536	Saturday, 12 September 2015	12:24:54	07/10/2015	21/10/2015	5	115	0.11	95.9	
957-66	Wednesday, 16 September 2015	12:34:37	07/10/2015	21/10/2015	5	115	0.11	88.0	
957-77	Thursday, 17 September 2015	12:26:37	07/10/2015	21/10/2015	5	115	0.11	91.5	
957-68	Monday, 21 September 2015	12:28:36	07/10/2015	21/10/2015	5	115	0.11	91.5	
939-537	Monday, 21 September 2015	12:33:06	07/10/2015	21/10/2015	5	115	0.11	97.5	
939-538	Tuesday, 22 September 2015	12:33:49	07/10/2015	21/10/2015	5	115	0.11	100.0	
957-87	Wednesday, 23 September 2015	14:58:13	07/10/2015	21/10/2015	5	115	0.11	100.0	
957-69a-70a	Sunday, 27 September 2015	12:29:16	07/10/2015	21/10/2015	1	95	0.11	88.0	
948-34	Monday, 28 September 2015	12:38:34	07/10/2015	21/10/2015	5	115	0.11	88.0	
939-533	Wednesday, 30 September 2015	12:29:41	07/10/2015	21/10/2015	5	115	0.12	94.0	
OCTOBER									
939-534	Thursday, 1 October 2015	12:42:00	12/11/2015	18/11/2015	5	115	0.11	88.0	
939-532	Friday, 2 October 2015	12:27:00	12/11/2015	18/11/2015	5	115	0.12	88.0	
948-35	Monday, 5 October 2015	12:30:00	12/11/2015	18/11/2015	1	95	0.11	91.5	
957-85	Wednesday, 7 October 2015	12:42:00	12/11/2015	18/11/2015	5	115	0.11	91.5	
957-69b-70b	Wednesday, 7 October 2015	12:44:00	12/11/2015	18/11/2015	5	115	0.11	88.0	
948-36	Monday, 12 October 2015	12:24:00	12/11/2015	18/11/2015	5	115	0.12	91.5	
939-531	Wednesday, 14 October 2015	12:25:00	12/11/2015	18/11/2015	5	115	0.11	94.0	
975-78	Friday, 16 October 2015	12:32:00	12/11/2015	18/11/2015	5	115	0.12	91.5	
948-37	Sunday, 18 October 2015	12:34:00	12/11/2015	18/11/2015	1	95	0.12	91.5	
957-84	Thursday, 22 October 2015	15:05:00	12/11/2015	18/11/2015	5	115	0.12	91.5	
948-38	Saturday, 24 October 2015	12:23:00	12/11/2015	18/11/2015	5	115	0.12	91.5	
957-83	Monday, 26 October 2015	12:35:00	12/11/2015	18/11/2015	5	115	0.11	88.0	
939-529	Tuesday, 27 October 2015	12:26:00	12/11/2015	18/11/2015	5	115	0.10	107.5	
948-41A	Friday, 30 October 2015	12:34:00	12/11/2015	18/11/2015	5	115	0.12	91.5	
NOVEMBER									
948-43	Monday, 2 November 2015	12:30	08/12/2015	18/12/2015	5	115	0.11	88.0	
948-42	Wednesday, 4 November 2015	12:25	08/12/2015	18/12/2015	5	115	0.11	88.0	
966-68b-69b	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	5	115	0.13	91.5	
957-526	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	5	115	0.13	91.5	
939-25	Sunday, 22 November 2015	12:26	08/12/2015	18/12/2015	1	95	0.11	94.0	
966-78	Monday, 23 November 2015	12:36	08/12/2015	18/12/2015	5	115	0.12	94.0	
939-26	Tuesday, 24 November 2015	12:31	08/12/2015	18/12/2015	5	115	0.12	91.5	
966-79	Wednesday, 25 November 2015	12:53	08/12/2015	18/12/2015	5	115	0.12	97.5	
966-80	Thursday, 26 November 2015	15:04	08/12/2015	18/12/2015	5	115	0.11	91.5	
939-27	Saturday, 28 November 2015	12:35	08/12/2015	18/12/2015	5	115	0.11	95.9	
DECEMBER									
957-71	Thursday, 3 December 2015	13:06	06/01/2016	20/01/2016	5	115	0.12	97.5	
957-74	Monday, 7 December 2015	12:40	06/01/2016	20/01/2016	5	115	0.12	94.0	
957-72	Wednesday, 9 December 2015	12:34	06/01/2016	20/01/2016	5	115	0.09	91.5	
957-69C	Friday, 11 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.13	95.9	
948-58	Saturday, 12 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.09	88.0	
948-59	Monday, 14 December 2015	12:28	06/01/2016	20/01/2016	5	115	0.09	88.0	
939-28	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	5	115	0.09	106.5	
948-60	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	5	115	0.09	106.5	
957-78	Thursday, 17 December 2015	12:32	06/01/2016	20/01/2016	5	115	0.10	88.0	
939-29	Saturday, 19 December 2015	12:23	06/01/2016	20/01/2016	5	115	0.10	94.0	
957-79	Saturday, 19 December 2015	12:25	06/01/2016	20/01/2016	5	115	0.13	91.5	
957-80	Monday, 21 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.11	88.0	
948-61	Wednesday, 23 December 2015	12:30	06/01/2016	20/01/2016	5	115	0.09	104.9	
948-62	Saturday, 26 December 2015	14:57	06/01/2016	20/01/2016	1	**95**	0.10	**95.9**	Airblast overpressure exceedance was caused by localised environmental factors
939-30	Saturday, 26 December 2015	15:08	06/01/2016	20/01/2016	1	**95**	0.10	**97.5**	Airblast overpressure exceedance was caused by localised environmental factors
939-539	Sunday, 27 December 2015	12:29	06/01/2016	20/01/2016	1	95	0.10	94.0	
939-540	Tuesday, 29 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.10	88.0	
948-44	Wednesday, 30 December 2015	12:41	06/01/2016	20/01/2016	5	115	0.09	88.0	
939-520	Thursday, 31 December 2015	12:32	06/01/2016	20/01/2016	5	115	0.09	95.9	

Blasting & Ground Vibration

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: BM02
Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded to the south of ML1535 boundary

Blast Number	Day/Date	Time	Date Obtained	Date Published	Compliance Limits		BM02 at Blast Time		Comments
					Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	
JANUARY									
984-78	Thursday, 1 January 2015	12:30:41	09/02/2015	19/02/2015	1	95	0.08	88.0	
984-71	Friday, 2 January 2015	12:29:32	09/02/2015	19/02/2015	5	115	0.10	95.9	
975-53	Saturday, 3 January 2015	12:36:21	09/02/2015	19/02/2015	5	115	0.07	95.9	
993-79	Sunday, 4 January 2015	12:39:02	09/02/2015	19/02/2015	1	95	0.10	91.5	
984-79	Monday, 5 January 2015	12:41:48	09/02/2015	19/02/2015	5	115	0.09	94.0	
975-54	Monday, 5 January 2015	13:28:49	09/02/2015	19/02/2015	5	115	0.11	91.5	
975-55	Thursday, 8 January 2015	12:35:53	09/02/2015	19/02/2015	5	115	0.08	100.0	
984-72	Saturday, 10 January 2015	12:30:26	09/02/2015	19/02/2015	5	115	0.12	91.5	
975-49	Tuesday, 13 January 2015	12:28:18	09/02/2015	19/02/2015	5	115	0.10	108.4	
975-534	Tuesday, 13 January 2015	12:46:35	09/02/2015	19/02/2015	5	115	0.11	102.8	
984-73	Thursday, 15 January 2015	12:39:14	09/02/2015	19/02/2015	5	115	0.12	91.5	
975-70	Friday, 16 January 2015	12:32:00	09/02/2015	19/02/2015	5	115	0.09	95.9	
975-56	Saturday, 17 January 2015	12:32:11	09/02/2015	19/02/2015	5	115	0.09	94.0	
975-71	Saturday, 17 January 2015	12:34:13	09/02/2015	19/02/2015	5	115	0.09	104.2	
975-72	Sunday, 18 January 2015	12:25:41	09/02/2015	19/02/2015	1	**95**	0.09	**101.9**	Airblast overpressure exceedance was caused by localised environmental factors
975-73	Monday, 19 January 2015	12:29:25	09/02/2015	19/02/2015	5	115	0.10	88.0	
984-80	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	5	115	0.08	103.5	
975-57	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	5	115	0.08	103.5	
984-81	Thursday, 22 January 2015	12:31:15	09/02/2015	19/02/2015	5	115	0.09	81.9	
975-58	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	5	115	0.10	88.0	
984-82	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	5	115	0.10	88.0	
975-59	Monday, 26 January 2015	12:35:44	09/02/2015	19/02/2015	1	95	0.09	91.5	
975-74	Thursday, 29 January 2015	12:33:01	09/02/2015	19/02/2015	5	115	0.08	81.9	
975-60	Friday, 30 January 2015	12:24:04	09/02/2015	19/02/2015	5	115	0.09	98.8	
957-518	Saturday, 31 January 2015	12:25:00	09/02/2015	19/02/2015	5	115	0.09	97.5	
984-83	Saturday, 31 January 2015	12:26:58	09/02/2015	19/02/2015	5	115	0.10	104.9	
FEBRUARY									
984-74	Sunday, 1 February 2015	12:35:41	06/03/2015	19/03/2015	1	**95**	0.12	**98.8**	Airblast overpressure exceedance was caused by localised environmental factors
957-519	Monday, 2 February 2015	12:35:09	06/03/2015	19/03/2015	5	115	0.09	88.0	
957-517	Wednesday, 4 February 2015	12:29:57	06/03/2015	19/03/2015	5	115	0.10	94.0	
984-84	Friday, 6 February 2015	12:35:02	06/03/2015	19/03/2015	5	115	0.08	91.5	
957-520	Friday, 6 February 2015	12:42:24	06/03/2015	19/03/2015	5	115	0.10	88.0	
984-85	Sunday, 8 February 2015	12:36:43	06/03/2015	19/03/2015	1	95	0.09	88.0	
957-521	Monday, 9 February 2015	12:28:06	06/03/2015	19/03/2015	5	115	0.09	88.0	
975-61	Tuesday, 10 February 2015	12:40:09	06/03/2015	19/03/2015	5	115	0.09	106.5	
984-86	Wednesday, 11 February 2015	13:05:23	06/03/2015	19/03/2015	5	115	0.09	98.8	
1011-545	Thursday, 12 February 2015	12:31:41	06/03/2015	19/03/2015	5	115	0.09	91.5	
975-62	Friday, 13 February 2015	12:31:36	06/03/2015	19/03/2015	5	115	0.08	94.0	
1011-544	Saturday, 14 February 2015	12:35:32	06/03/2015	19/03/2015	5	115	0.10	88.0	
966-49	Monday, 16 February 2015	12:23:08	06/03/2015	19/03/2015	5	115	0.09	91.5	
984-87	Monday, 16 February 2015	12:25:11	06/03/2015	19/03/2015	5	115	0.08	91.5	
966-50	Tuesday, 17 February 2015	12:29:00	06/03/2015	19/03/2015	5	115	0.08	101.9	
975-75	Thursday, 19 February 2015	12:34:28	06/03/2015	19/03/2015	5	115	0.09	94.0	
1020-106	Friday, 20 February 2015	12:47:00	06/03/2015	19/03/2015	5	115	0.10	88.0	
975-76	Saturday, 21 February 2015	12:32:33	06/03/2015	19/03/2015	5	115	0.08	94.0	
1020-107	Sunday, 22 February 2015	12:32:18	06/03/2015	19/03/2015	1	95	0.10	91.5	
975-77	Monday, 23 February 2015	12:30:38	06/03/2015	19/03/2015	5	115	0.09	100.0	
975-63-65	Tuesday, 24 February 2015	12:33:22	06/03/2015	19/03/2015	5	115	0.10	88.0	
957-522a	Wednesday, 25 February 2015	12:27:17	06/03/2015	19/03/2015	5	115	0.09	95.9	
975-64	Thursday, 26 February 2015	12:37:21	06/03/2015	19/03/2015	5	115	0.09	81.9	
1020-108	Friday, 27 February 2015	12:32:14	06/03/2015	19/03/2015	5	115	0.08	94.0	
MARCH									
975-66	Sunday, 1 March 2015	12:35:36	09/04/2015	22/04/2015	1	**95**	0.11	**101.0**	Airblast overpressure exceedance was caused by localised environmental factors
1020-109	Sunday, 1 March 2015	12:37:39	09/04/2015	22/04/2015	1	**95**	0.08	**104.9**	Airblast overpressure exceedance was caused by localised environmental factors
1020-110	Monday, 2 March 2015	12:29:00	09/04/2015	22/04/2015	5	115	0.09	88.0	
966-55	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	5	115	0.09	81.9	
957-523a	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	5	115	0.09	81.9	
975-67	Thursday, 5 March 2015	12:32:19	09/04/2015	22/04/2015	5	**115**	0.13	**115.4**	Airblast overpressure exceedance was caused by localised environmental factors
957-524	Friday, 6 March 2015	12:32:01	09/04/2015	22/04/2015	5	115	0.10	103.5	
1011-101	Saturday, 7 March 2015	12:35:35	09/04/2015	22/04/2015	5	115	0.12	81.9	
966-56	Monday, 9 March 2015	12:34:56	09/04/2015	22/04/2015	5	115	0.12	101.9	
1011-102	Tuesday, 10 March 2015	12:29:48	09/04/2015	22/04/2015	5	115	0.15	94.0	
975-79	Thursday, 12 March 2015	12:47:49	09/04/2015	22/04/2015	5	115	0.09	88.0	
966-53	Friday, 13 March 2015	12:37:04	09/04/2015	22/04/2015	5	115	0.09	100.0	
975-81	Saturday, 14 March 2015	12:35:02	09/04/2015	22/04/2015	5	115	0.09	81.9	
966-54	Sunday, 15 March 2015	12:27:26	09/04/2015	22/04/2015	1	**95**	0.08	**97.5**	Airblast overpressure exceedance was caused by localised environmental factors
975-80	Monday, 16 March 2015	12:31:58	09/04/2015	22/04/2015	5	115	0.09	94.0	
966-60	Tuesday, 17 March 2015	12:42:31	09/04/2015	22/04/2015	5	115	0.09	98.8	
1011-103	Tuesday, 17 March 2015	12:45:07	09/04/2015	22/04/2015	5	115	0.10	100.0	
957-522b-523b	Wednesday, 18 March 2015	12:33:40	09/04/2015	22/04/2015	5	115	0.08	91.5	
966-58	Thursday, 19 March 2015	12:28:37	09/04/2015	22/04/2015	5	115	0.10	91.5	
1011-104	Thursday, 19 March 2015	12:48:49	09/04/2015	22/04/2015	5	115	0.08	88.0	
1011-105	Friday, 20 March 2015	12:38:05	09/04/2015	22/04/2015	5	115	0.09	108.4	
966-57	Sunday, 22 March 2015	12:40:26	09/04/2015	22/04/2015	1	**95**	0.10	**98.8**	Airblast overpressure exceedance was caused by localised environmental factors
993-542	Tuesday, 24 March 2015	12:32:28	09/04/2015	22/04/2015	5	115	0.10	98.8	
966-51	Wednesday, 25 March 2015	12:34:37	09/04/2015	22/04/2015	5	115	0.09	91.5	
966-52	Thursday, 26 March 2015	12:33:30	09/04/2015	22/04/2015	5	115	0.09	101.9	
993-543	Friday, 27 March 2015	12:41:26	09/04/2015	22/04/2015	5	115	0.09	98.8	
993-544	Saturday, 28 March 2015	12:36:47	09/04/2015	22/04/2015	5	115	0.10	94.0	
966-61	Sunday, 29 March 2015	12:30:33	09/04/2015	22/04/2015	1	95	0.10	88.0	
1002-90	Tuesday, 31 March 2015	12:35:49	09/04/2015	22/04/2015	5	115	0.11	101.9	
APRIL									
993-545	Wednesday, 1 April 2015	12:31	06/05/2015	20/05/2015	5	115	0.13	98.8	
993-546	Thursday, 2 April 2015	12:29	06/05/2015	20/05/2015	5	115	0.13	91.5	
1002-91	Friday, 3 April 2015	12:42	06/05/2015	20/05/2015	1	95	0.10	91.5	
966-74	Sunday, 5 April 2015	13:43	06/05/2015	20/05/2015	1	95	0.09	94.0	
966-66	Monday, 6 April 2015	12:35	06/05/2015	20/05/2015	1	95	0.11	88.0	
966-75	Tuesday, 7 April 2015	12:14	06/05/2015	20/05/2015	5	115	0.11	101.9	
966-67	Thursday, 9 April 2015	12:30	06/05/2015	20/05/2015	5	115	0.11	91.5	
966-68a	Saturday, 11 April 2015	12:26	06/05/2015	20/05/2015	5	115	0.11	81.9	
957-49	Monday, 13 April 2015	12:26	06/05/2015	20/05/2015	5	115	0.10	81.9	
1002-92	Monday, 13 April 2015	12:28	06/05/2015	20/05/2015	5	115	0.09	94.0	
1002-93	Wednesday, 15 April 2015	12:33	06/05/2015	20/05/2015	5	115	0.09	97.5	
1002-94	Friday, 17 April 2015	12:31	06/05/2015	20/05/2015	5	115	0.14	91.5	
1002-95	Sunday, 19 April 2015	12:33	06/05/2015	20/05/2015	1	**95**	0.13	**105.5**	Airblast overpressure exceedance was caused by localised environmental factors
957-50	Monday, 20 April 2015	12:46	06/05/2015	20/05/2015	5	115	0.18	95.9	
966-62	Saturday, 25 April 2015	13:07	06/05/2015	20/05/2015	1	**95**	0.14	**98.8**	Airblast overpressure exceedance was caused by localised environmental factors
984-88	Sunday, 26 April 2015	12:27	06/05/2015	20/05/2015	1	**95**	0.15	**101.0**	Airblast overpressure exceedance was caused by localised environmental factors
993-89	Monday, 27 April 2015	12:33	06/05/2015	20/05/2015	5	115	0.13	91.5	
966-63	Tuesday, 28 April 2015	12:32	06/05/2015	20/05/2015	5	115	0.16	88.0	
966-64	Wednesday, 29 April 2015	12:36	06/05/2015	20/05/2015	5	115	0.13	94.0	
993-90	Thursday, 30 April 2015	12:42	06/05/2015	20/05/2015	5	115	0.16	101.9	
MAY									
966-65	Saturday, 2 May 2015	12:40	05/06/2015	19/06/2015	5	115	0.12	91.5	
993-91	Sunday, 3 May 2015	12:29	05/06/2015	19/06/2015	1	95	0.13	91.5	
957-51	Tuesday, 5 May 2015	12:28	05/06/2015	19/06/2015	5	115	0.12	109.2	
957-53	Thursday, 7 May 2015	12:29	05/06/2015	19/06/2015	5	115	0.14	109.2	
966-76	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.13	98.8	
957-52	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.13	91.5	
993-95	Saturday, 9 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.14	101.9	
993-94	Monday, 11 May 2015	12:32	05/06/2015	19/06/2015	5	115	0.15	98.8	
957-54	Tuesday, 12 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.14	108.4	
957-55	Thursday, 14 May 2015	12:38	05/06/2015	19/06/2015	5	115	0.15	94.0	
975-535	Thursday, 14 May 2015	12:40	05/06/2015	19/06/2015	5	115	0.15	102.8	
957-56	Saturday, 16 May 2015	12:33	05/06/2015	19/06/2015	5	115	0.13	88.0	
975-536	Saturday, 16 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.13	91.5	
993-93	Sunday, 17 May 2015	12:36	05/06/2015	19/06/2015	1	95	0.13	88.0	
957-57	Tuesday, 19 May 2015	12:36	05/06/2015	19/06/2015	5	115	0.16	101.0	
975-537	Wednesday, 20 May 2015	12:35	05/06/2015	19/06/2015	5	115	0.13	91.5	
993-92	Wednesday, 20 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.13	91.5	
966-59a	Friday, 22 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.14	94.0	
957-58	Saturday, 23 May 2015	12:27	05/06/2015	19/06/2015	5	115	0.13	88.0	
957-59	Monday, 25 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.15	88.0	
975-538	Wednesday, 27 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.14	94.0	
984-89	Wednesday, 27 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.15	94.0	
975-539	Friday, 29 May 2015	12:44	05/06/2015	19/06/2015	5	115	0.14	88.0	
984-90	Friday, 29 May 2015	12:49	05/06/2015	19/06/2015	5	115	0.16	88.0	
975-540	Saturday, 30 May 2015	12:33	05/06/2015	19/06/2015	5	115	0.16	94.0	
JUNE									
975-541	Monday, 1 June 2015	12:49:21	03/07/2015	16/07/2015	5	115	0.15	95.9	
984-91	Monday, 1 June 2015	12:52:15	03/07/2015	16/07/2015	5	115	0.18	102.8	
975-542	Thursday, 4 June 2015	12:39:24	03/07/2015	16/07/2015	5	115	0.19	91.5	
984-92	Friday, 5 June 2015	12:47:28	03/07/2015	16/07/2015	5	115	0.16	88.0	
984-97	Sunday, 7 June 2015	12:37:53	03/07/2015	16/07/2015	1	95	0.14	91.5	
957-60	Wednesday, 10 June 2015	12:35:14	03/07/2015	16/07/2015	5	115	0.16	88.0	
957-61	Friday, 12 June 2015	12:29:06	03/07/2015	16/07/2015	5	115	0.14	88.0	
984-93	Sunday, 21 June 2015	9:21:28	03/07/2015	16/07/2015	1	95	0.16	88.0	
984-94a	Monday, 22 June 2015	12:30:37	03/07/2015	16/07/2015	5	115	0.13	95.9	
984-94b-95	Sunday, 28 June 2015	12:34:54	03/07/2015	16/07/2015	1	95	0.16	91.5	
975-82	Tuesday, 30 June 2015	12:34:21	03/07/2015	16/07/2015	5	115	0.17	88.0	
JULY									
984-96	Saturday, 4 July 2015	12:45:36	14/08/2015	20/08/2015	5	115	0.15	95.9	
975-83	Monday, 6 July 2015	12:28:56	14/08/2015	20/08/2015	5	115	0.17	95.9	
957-62	Tuesday, 7 July 2015	12:39:18	14/08/2015	20/08/2015	5	115	0.17	88.0	
957-63	Friday, 10 July 2015	12:39:57	14/08/2015	20/08/2015	5	115	0.21	103.5	
975-84	Sunday, 12 July 2015	12:41:05	14/08/2015	20/08/2015	1	**95**	0.19	**114.4**	Airblast overpressure exceedance was caused by localised environmental factors
975-85	Wednesday, 15 July 2015	12:29:10	14/08/2015	20/08/2015	5	115	0.20	88.0	
957-64	Friday, 17 July 2015	12:39:23	14/08/2015	20/08/2015	5	115	0.17	113.3	
975-86	Saturday, 18 July 2015	12:35:11	14/08/2015	20/08/2015	5	115	0.17	91.5	
975-87	Monday, 20 July 2015	13:26:00	14/08/2015	20/08/2015	5	115	0.18	94.0	
975-88	Wednesday, 22 July 2015	13:31:30	14/08/2015	20/08/2015	5	115	0.18	91.5	
948-32	Saturday, 25 July 2015	12:30:56	14/08/2015	20/08/2015	5	115	0.22	100.0	
957-533	Monday, 27 July 2015	12:44:28	14/08/2015	20/08/2015	5	115	0.17	107.5	
957-532	Tuesday, 28 July 2015	12:31:09	14/08/2015	20/08/2015	5	115	0.16	104.2	
975-89	Wednesday, 29 July 2015	12:38:53	14/08/2015	20/08/2015	5	115	0.18	88.0	
966-59b	Friday, 31 July 2015	12:49:12	14/08/2015	20/08/2015	5	115	0.22	95.9	
AUGUST									
975-91	Monday, 3 August 2015	12:52:52	07/09/2015	15/09/2015	5	115	0.14	110.9	
966-72	Tuesday, 4 August 2015	12:40:26	07/09/2015	15/09/2015	5	115	0.17	91.5	
957-531	Wednesday, 5 August 2015	12:38:30	07/09/2015	15/09/2015	5	115	0.15	108.4	
975-90	Friday, 7 August 2015	15:43:02	07/09/2015	15/09/2015	5	115	0.15	91.5	
966-73	Sunday, 9 August 2015	12:28:15	07/09/2015	15/09/2015	1	95	0.18	91.5	
957-530	Monday, 10 August 2015	12:30:43	07/09/2015	15/09/2015	5	115	0.13	102.8	
966-71a	Tuesday, 11 August 2015	12:34:16	07/09/2015	15/09/2015	5	115	0.15	91.5	
957-529	Wednesday, 12 August 2015	12:31:19	07/09/2015	15/09/2015	5	115	0.15	112.8	
957-528	Thursday, 13 August 2015	12:31:59	07/09/2015	15/09/2015	5	115	0.14	97.5	
966-71b	Saturday, 15 August 2015	12:32:37	07/09/2015	15/09/2015	5	115	0.15	88.0	
966-85	Tuesday, 18 August 2015	12:35:43	07/09/2015	15/09/2015	5	115	0.13	94.0	
966-70	Wednesday, 19 August 2015	12:38:26	07/09/2015	15/09/2015	5	115	0.14	88.0	
966-77	Thursday, 20 August 2015	12:31:04	07/09/2015	15/09/2015	5	115	0.13	88.0	
957-527	Saturday, 22 August 2015	12:30:34	07/09/2015	15/09/2015	5	115	0.13	106.0	
948-33	Monday, 24 August 2015	12:31:20	07/09/2015	15/09/2015	5	115	0.19	97.5	
957-76	Wednesday, 26 August 2015	12:35:11	07/09/2015	15/09/2015	5	115	0.13	88.0	
966-69a	Wednesday, 26 August 2015	12:37:22	07/09/2015	15/09/2015	5	115	0.14	88.0	
957-75	Sunday, 30 August 2015	12:34:41	07/09/2015	15/09/2015	1	95	0.15	91.5	
SEPTEMBER									
966-84	Wednesday, 2 September 2015	15:13:05	07/10/2015	21/10/2015	5	115	0.16	103.5	
957-65	Friday, 4 September 2015	12:31:47	07/10/2015	21/10/2015	5	115	0.20	88.0	
966-83	Saturday, 5 September 2015	12:29:16	07/10/2015	21/10/2015	5	115	0.13	88.0	
966-82	Sunday, 6 September 2015	12:38:17	07/10/2015	21/10/2015	1	95	0.14	88.0	
966-81	Tuesday, 8 September 2015	12:30:46	07/10/2015	21/10/2015	5	115	0.14	95.9	
939-535	Wednesday, 9 September 2015	12:26:04	07/10/2015	21/10/2015	5	115	0.13	95.9	
957-67	Friday, 11 September 2015	12:27:16	07/10/2015	21/10/2015	5	115	0.17	91.5	
939-536	Saturday, 12 September 2015	12:24:54	07/10/2015	21/10/2015	5	115	0.11	91.5	
957-66	Wednesday, 16 September 2015	12:34:37	07/10/2015	21/10/2015	5	115	0.14	88.0	
957-77	Thursday, 17 September 2015	12:26:37	07/10/2015	21/10/2015	5	115	0.13	91.5	
957-68	Monday, 21 September 2015	12:28:36	07/10/2015	21/10/2015	5	115	0.13	97.5	
939-537	Monday, 21 September 2015	12:33:06	07/10/2015	21/10/2015	5	115	0.12	95.9	
939-538	Tuesday, 22 September 2015	12:33:49	07/10/2015	21/10/2015	5	115	0.13	106.5	
957-87	Wednesday, 23 September 2015	14:58:13	07/10/2015	21/10/2015	5	115	0.13	95.9	
957-69a-70a	Sunday, 27 September 2015	12:29:16	07/10/2015	21/10/2015	1	95	0.18	91.5	
948-34	Monday, 28 September 2015	12:38:34	07/10/2015	21/10/2015	5	115	0.13	88.0	
939-533	Wednesday, 30 September 2015	12:29:41	07/10/2015	21/10/2015	5	115	0.14	91.5	
OCTOBER									
939-534	Thursday, 1 October 2015	12:42:00	12/11/2015	18/11/2015	5	115	0.11	88.0	
939-532	Friday, 2 October 2015	12:27:00	12/11/2015	18/11/2015	5	115	0.11	88.0	
948-35	Monday, 5 October 2015	12:30:00	12/11/2015	18/11/2015	1	95	0.12	94.0	
957-85	Wednesday, 7 October 2015	12:42:00	12/11/2015	18/11/2015	5	115	0.14	97.5	
957-69b-70b	Wednesday, 7 October 2015	12:44:00	12/11/2015	18/11/2015	5	115	0.13	95.9	
948-36	Monday, 12 October 2015	12:24:00	12/11/2015	18/11/2015	5	115	0.19	98.8	
939-531	Wednesday, 14 October 2015	12:25:00	12/11/2015	18/11/2015	5	115	0.12	95.9	
975-78	Friday, 16 October 2015	12:32:00	12/11/2015	18/11/2015	5	115	0.11	91.5	
948-37	Sunday, 18 October 2015	12:34:00	12/11/2015	18/11/2015	1	95	0.15	88.0	
957-84	Thursday, 22 October 2015	15:05:00	12/11/2015	18/11/2015	5	115	0.13	94.0	
948-38	Saturday, 24 October 2015	12:23:00	12/11/2015	18/11/2015	5	115	0.12	103.5	
957-83	Monday, 26 October 2015	12:35:00	12/11/2015	18/11/2015	5	115	0.12	88.0	
939-529	Tuesday, 27 October 2015	12:26:00	12/11/2015	18/11/2015	5	115	0.13	104.2	
948-41A	Friday, 30 October 2015	12:34:00	12/11/2015	18/11/2015	5	115	0.16	97.5	
NOVEMBER									
948-43	Monday, 2 November 2015	12:30	08/12/2015	18/12/2015	5	115	0.12	91.5	
948-42	Wednesday, 4 November 2015	12:25	08/12/2015	18/12/2015	5	115	0.12	94.0	
966-68b-69b	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	5	115	0.11	88.0	
957-526	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	5	115	0.11	88.0	
939-25	Sunday, 22 November 2015	12:26	08/12/2015	18/12/2015	1	**95**	0.11	**98.8**	Airblast overpressure exceedance was caused by localised environmental factors
966-78	Monday, 23 November 2015	12:36	08/12/2015	18/12/2015	5	115	0.12	102.8	
939-26	Tuesday, 24 November 2015	12:31	08/12/2015	18/12/2015	5	115	0.14	94.0	
966-79	Wednesday, 25 November 2015	12:53	08/12/2015	18/12/2015	5	115	0.11	101.9	
966-80	Thursday, 26 November 2015	15:04	08/12/2015	18/12/2015	5	115	0.13	101.9	
939-27	Saturday, 28 November 2015	12:35	08/12/2015	18/12/2015	5	115	0.13	88.0	
DECEMBER									
957-71	Thursday, 3 December 2015	13:06	06/01/2016	20/01/2016	5	115	0.14	101.0	
957-74	Monday, 7 December 2015	12:40	06/01/2016	20/01/2016	5	115	0.11	97.5	
957-72	Wednesday, 9 December 2015	12:34	06/01/2016	20/01/2016	5	115	0.11	88.0	
957-69C	Friday, 11 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.11	108.4	
948-58	Saturday, 12 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.10	94.0	
948-59	Monday, 14 December 2015	12:28	06/01/2016	20/01/2016	5	115	0.11	94.0	
939-28	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	5	115	0.13	91.5	
948-60	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	5	115	0.13	91.5	
957-78	Thursday, 17 December 2015	12:32	06/01/2016	20/01/2016	5	115	0.10	88.0	
939-29	Saturday, 19 December 2015	12:23	06/01/2016	20/01/2016	5	115	0.12	102.8	
957-79	Saturday, 19 December 2015	12:25	06/01/2016	20/01/2016	5	115	0.11	101.9	
957-80	Monday, 21 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.10	88.0	
948-61	Wednesday, 23 December 2015	12:30	06/01/2016	20/01/2016	5	115	0.11	97.5	
948-62	Saturday, 26 December 2015	14:57	06/01/2016	20/01/2016	1	**95**	0.11	**102.8**	Airblast overpressure exceedance was caused by localised environmental factors
939-30	Saturday, 26 December 2015	15:08	06/01/2016	20/01/2016	1	**95**	0.12	**105.5**	Airblast overpressure exceedance was caused by localised environmental factors
939-539	Sunday, 27 December 2015	12:29	06/01/2016	20/01/2016	1	**95**	0.10	**97.5**	Airblast overpressure exceedance was caused by localised environmental factors
939-540	Tuesday, 29 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.10	91.5	
948-44	Wednesday, 30 December 2015	12:41	06/01/2016	20/01/2016	5	115	0.12	88.0	
939-520	Thursday, 31 December 2015	12:32	06/01/2016	20/01/2016	5	115	0.11	97.5	

Blasting & Ground Vibration

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: BM03
Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded at private residence to the north of ML1535 boundary

					Compliance Limits		BM03 at Blast Time		
Blast Number	**Day/Date**	**Time**	**Date Obtained**	**Date Published**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Comments**
JANUARY									
984-78	Thursday, 1 January 2015	12:30:41	09/02/2015	19/02/2015	1	95	0.13	88.0	
984-71	Friday, 2 January 2015	12:29:32	09/02/2015	19/02/2015	5	115	0.12	88.0	
975-53	Saturday, 3 January 2015	12:36:21	09/02/2015	19/02/2015	5	115	0.11	91.5	
993-79	Sunday, 4 January 2015	12:39:02	09/02/2015	19/02/2015	1	95	0.12	88.0	
984-79	Monday, 5 January 2015	12:41:48	09/02/2015	19/02/2015	5	115	0.11	91.5	
975-54	Monday, 5 January 2015	13:28:49	09/02/2015	19/02/2015	5	115	0.11	88.0	
975-55	Thursday, 8 January 2015	12:35:53	09/02/2015	19/02/2015	5	115	0.12	91.5	
984-72	Saturday, 10 January 2015	12:30:26	09/02/2015	19/02/2015	5	115	0.09	88.0	
975-49	Tuesday, 13 January 2015	12:28:18	09/02/2015	19/02/2015	5	115	0.09	88.0	
975-534	Tuesday, 13 January 2015	12:46:35	09/02/2015	19/02/2015	5	115	0.10	88.0	
984-73	Thursday, 15 January 2015	12:39:14	09/02/2015	19/02/2015	5	115	0.11	102.8	
975-70	Friday, 16 January 2015	12:32:00	09/02/2015	19/02/2015	5	115	0.11	91.5	
975-56	Saturday, 17 January 2015	12:32:11	09/02/2015	19/02/2015	5	115	0.14	94.0	
975-71	Saturday, 17 January 2015	12:34:13	09/02/2015	19/02/2015	5	115	0.11	95.9	
975-72	Sunday, 18 January 2015	12:25:41	09/02/2015	19/02/2015	1	**95**	0.12	**100.0**	Airblast overpressure exceedance was caused by localised environmental factors
975-73	Monday, 19 January 2015	12:29:25	09/02/2015	19/02/2015	5	115	0.11	88.0	
984-80	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	5	115	0.12	91.5	
975-57	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	5	115	0.12	91.5	
984-81	Thursday, 22 January 2015	12:31:15	09/02/2015	19/02/2015	5	115	0.11	88.0	
975-58	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	5	115	0.12	88.0	
984-82	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	5	115	0.12	88.0	
975-59	Monday, 26 January 2015	12:35:44	09/02/2015	19/02/2015	1	95	0.10	91.5	
975-74	Thursday, 29 January 2015	12:33:01	09/02/2015	19/02/2015	5	115	0.10	94.0	
975-60	Friday, 30 January 2015	12:24:04	09/02/2015	19/02/2015	5	115	0.10	100.0	
957-518	Saturday, 31 January 2015	12:25:00	09/02/2015	19/02/2015	5	115	0.11	88.0	
984-83	Saturday, 31 January 2015	12:26:58	09/02/2015	19/02/2015	5	115	0.11	88.0	
FEBRUARY									
984-74	Sunday, 1 February 2015	12:35:41	06/03/2015	19/03/2015	1	**95**	0.12	**97.5**	Airblast overpressure exceedance was caused by localised environmental factors
957-519	Monday, 2 February 2015	12:35:09	06/03/2015	19/03/2015	5	115	0.11	94.0	
957-517	Wednesday, 4 February 2015	12:29:57	06/03/2015	19/03/2015	5	115	0.12	88.0	
984-84	Friday, 6 February 2015	12:35:02	06/03/2015	19/03/2015	5	115	0.12	94.0	
957-520	Friday, 6 February 2015	12:42:24	06/03/2015	19/03/2015	5	115	0.13	91.5	
984-85	Sunday, 8 February 2015	12:36:43	06/03/2015	19/03/2015	1	95	0.12	88.0	
957-521	Monday, 9 February 2015	12:28:06	06/03/2015	19/03/2015	5	115	0.12	88.0	
975-61	Tuesday, 10 February 2015	12:40:09	06/03/2015	19/03/2015	5	115	0.12	91.5	
984-86	Wednesday, 11 February 2015	13:05:23	06/03/2015	19/03/2015	5	115	0.11	88.0	
1011-545	Thursday, 12 February 2015	12:31:41	06/03/2015	19/03/2015	5	115	0.11	88.0	
975-62	Friday, 13 February 2015	12:31:36	06/03/2015	19/03/2015	5	115	0.11	88.0	
1011-544	Saturday, 14 February 2015	12:35:32	06/03/2015	19/03/2015	5	115	0.09	94.0	
966-49	Monday, 16 February 2015	12:23:08	06/03/2015	19/03/2015	5	115	0.12	88.0	
984-87	Monday, 16 February 2015	12:25:11	06/03/2015	19/03/2015	5	115	0.10	91.5	
966-50	Tuesday, 17 February 2015	12:29:00	06/03/2015	19/03/2015	5	115	0.14	88.0	
975-75	Thursday, 19 February 2015	12:34:28	06/03/2015	19/03/2015	5	115	0.11	91.5	
1020-106	Friday, 20 February 2015	12:47:00	06/03/2015	19/03/2015	5	115	0.10	88.0	
975-76	Saturday, 21 February 2015	12:32:33	06/03/2015	19/03/2015	5	115	0.12	88.0	
1020-107	Sunday, 22 February 2015	12:32:18	06/03/2015	19/03/2015	1	95	0.13	88.0	
975-77	Monday, 23 February 2015	12:30:38	06/03/2015	19/03/2015	5	115	0.11	88.0	
975-63-65	Tuesday, 24 February 2015	12:33:22	06/03/2015	19/03/2015	5	115	0.12	88.0	
957-522a	Wednesday, 25 February 2015	12:27:17	06/03/2015	19/03/2015	5	115	0.10	88.0	
975-64	Thursday, 26 February 2015	12:37:21	06/03/2015	19/03/2015	5	115	0.11	88.0	
1020-108	Friday, 27 February 2015	12:32:14	06/03/2015	19/03/2015	5	115	0.12	88.0	
MARCH									
975-66	Sunday, 1 March 2015	12:35:36	09/04/2015	22/04/2015	1	**95**	0.12	**98.8**	Airblast overpressure exceedance was caused by localised environmental factors
1020-109	Sunday, 1 March 2015	12:37:39	09/04/2015	22/04/2015	1	**95**	0.12	**97.5**	Airblast overpressure exceedance was caused by localised environmental factors
1020-110	Monday, 2 March 2015	12:29:00	09/04/2015	22/04/2015	5	115	0.10	91.5	
966-55	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	5	115	0.15	97.5	
957-523a	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	5	115	0.15	97.5	
975-67	Thursday, 5 March 2015	12:32:19	09/04/2015	22/04/2015	5	115	0.09	109.5	
957-524	Friday, 6 March 2015	12:32:01	09/04/2015	22/04/2015	5	115	0.10	95.9	
1011-101	Saturday, 7 March 2015	12:35:35	09/04/2015	22/04/2015	5	115	0.10	91.5	
966-56	Monday, 9 March 2015	12:34:56	09/04/2015	22/04/2015	5	115	0.13	97.5	
1011-102	Tuesday, 10 March 2015	12:29:48	09/04/2015	22/04/2015	5	115	0.12	91.5	
975-79	Thursday, 12 March 2015	12:47:49	09/04/2015	22/04/2015	5	115	0.12	91.5	
966-53	Friday, 13 March 2015	12:37:04	09/04/2015	22/04/2015	5	115	0.18	88.0	
975-81	Saturday, 14 March 2015	12:35:02	09/04/2015	22/04/2015	5	115	0.11	88.0	
966-54	Sunday, 15 March 2015	12:27:26	09/04/2015	22/04/2015	1	**95**	0.12	**95.9**	Airblast overpressure exceedance was caused by localised environmental factors
975-80	Monday, 16 March 2015	12:31:58	09/04/2015	22/04/2015	5	115	0.09	95.9	
966-60	Tuesday, 17 March 2015	12:42:31	09/04/2015	22/04/2015	5	115	0.11	94.0	
1011-103	Tuesday, 17 March 2015	12:45:07	09/04/2015	22/04/2015	5	115	0.09	88.0	
957-522b-523b	Wednesday, 18 March 2015	12:33:40	09/04/2015	22/04/2015	5	115	0.11	95.9	
966-58	Thursday, 19 March 2015	12:28:37	09/04/2015	22/04/2015	5	115	0.11	88.0	
1011-104	Thursday, 19 March 2015	12:48:49	09/04/2015	22/04/2015	5	115	0.11	88.0	
1011-105	Friday, 20 March 2015	12:38:05	09/04/2015	22/04/2015	5	115	0.17	101.0	
966-57	Sunday, 22 March 2015	12:40:26	09/04/2015	22/04/2015	1	**95**	0.11	**95.9**	Airblast overpressure exceedance was caused by localised environmental factors
993-542	Tuesday, 24 March 2015	12:32:28	09/04/2015	22/04/2015	5	115	0.11	100.0	
966-51	Wednesday, 25 March 2015	12:34:37	09/04/2015	22/04/2015	5	115	0.11	88.0	
966-52	Thursday, 26 March 2015	12:33:30	09/04/2015	22/04/2015	5	115	0.11	95.9	
993-543	Friday, 27 March 2015	12:41:26	09/04/2015	22/04/2015	5	115	0.09	101.9	
993-544	Saturday, 28 March 2015	12:36:47	09/04/2015	22/04/2015	5	115	0.10	97.5	
966-61	Sunday, 29 March 2015	12:30:33	09/04/2015	22/04/2015	1	95	0.09	91.5	
1002-90	Tuesday, 31 March 2015	12:35:49	09/04/2015	22/04/2015	5	115	0.10	88.0	
APRIL									
993-545	Wednesday, 1 April 2015	12:31	06/05/2015	20/05/2015	5	115	0.11	88.0	
993-546	Thursday, 2 April 2015	12:29	06/05/2015	20/05/2015	5	115	0.10	88.0	
1002-91	Friday, 3 April 2015	12:42	06/05/2015	20/05/2015	1	95	0.13	88.0	
966-74	Sunday, 5 April 2015	13:43	06/05/2015	20/05/2015	1	95	0.09	88.0	
966-66	Monday, 6 April 2015	12:35	06/05/2015	20/05/2015	1	95	0.09	88.0	
966-75	Tuesday, 7 April 2015	12:14	06/05/2015	20/05/2015	5	115	0.10	94.0	
966-67	Thursday, 9 April 2015	12:30	06/05/2015	20/05/2015	5	115	0.12	88.0	
966-68a	Saturday, 11 April 2015	12:26	06/05/2015	20/05/2015	5	115	0.09	88.0	
957-49	Monday, 13 April 2015	12:26	06/05/2015	20/05/2015	5	115	0.12	88.0	
1002-92	Monday, 13 April 2015	12:28	06/05/2015	20/05/2015	5	115	0.10	88.0	
1002-93	Wednesday, 15 April 2015	12:33	06/05/2015	20/05/2015	5	115	0.09	88.0	
1002-94	Friday, 17 April 2015	12:31	06/05/2015	20/05/2015	5	115	0.08	91.5	
1002-95	Sunday, 19 April 2015	12:33	06/05/2015	20/05/2015	1	**95**	0.09	**101.9**	Airblast overpressure exceedance was caused by localised environmental factors
957-50	Monday, 20 April 2015	12:46	06/05/2015	20/05/2015	5	115	0.11	97.5	
966-62	Saturday, 25 April 2015	13:07	06/05/2015	20/05/2015	1	95	0.07	91.5	
984-88	Sunday, 26 April 2015	12:27	06/05/2015	20/05/2015	1	**95**	0.09	**98.8**	Airblast overpressure exceedance was caused by localised environmental factors
993-89	Monday, 27 April 2015	12:33	06/05/2015	20/05/2015	5	115	0.08	100.0	
966-63	Tuesday, 28 April 2015	12:32	06/05/2015	20/05/2015	5	115	0.09	91.5	
966-64	Wednesday, 29 April 2015	12:36	06/05/2015	20/05/2015	5	115	0.08	91.5	
993-90	Thursday, 30 April 2015	12:42	06/05/2015	20/05/2015	5	115	0.10	95.9	
MAY									
966-65	Saturday, 2 May 2015	12:40	05/06/2015	19/06/2015	5	115	0.09	94.0	
993-91	Sunday, 3 May 2015	12:29	05/06/2015	19/06/2015	1	**95**	0.09	**105.5**	Airblast overpressure exceedance was caused by localised environmental factors
957-51	Tuesday, 5 May 2015	12:28	05/06/2015	19/06/2015	5	115	0.21	98.8	
957-53	Thursday, 7 May 2015	12:29	05/06/2015	19/06/2015	5	115	0.08	105.5	
966-76	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.08	95.9	
957-52	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.10	91.5	
993-95	Saturday, 9 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.13	91.5	
993-94	Monday, 11 May 2015	12:32	05/06/2015	19/06/2015	5	115	0.08	94.0	
957-54	Tuesday, 12 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.10	91.5	
957-55	Thursday, 14 May 2015	12:38	05/06/2015	19/06/2015	5	115	0.10	101.9	
975-535	Thursday, 14 May 2015	12:40	05/06/2015	19/06/2015	5	115	0.09	104.9	
957-56	Saturday, 16 May 2015	12:33	05/06/2015	19/06/2015	5	115	0.08	88.0	
975-536	Saturday, 16 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.08	108.8	
993-93	Sunday, 17 May 2015	12:36	05/06/2015	19/06/2015	1	95	0.09	91.5	
957-57	Tuesday, 19 May 2015	12:36	05/06/2015	19/06/2015	5	115	0.09	91.5	
975-537	Wednesday, 20 May 2015	12:35	05/06/2015	19/06/2015	5	115	0.21	94.0	
993-92	Wednesday, 20 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.08	91.5	
966-59a	Friday, 22 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.16	95.9	
957-58	Saturday, 23 May 2015	12:27	05/06/2015	19/06/2015	5	115	0.18	91.5	
957-59	Monday, 25 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.11	88.0	
975-538	Wednesday, 27 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.10	94.0	
984-89	Wednesday, 27 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.09	91.5	
975-539	Friday, 29 May 2015	12:44	05/06/2015	19/06/2015	5	115	0.08	98.8	
984-90	Friday, 29 May 2015	12:49	05/06/2015	19/06/2015	5	115	0.09	91.5	
975-540	Saturday, 30 May 2015	12:33	05/06/2015	19/06/2015	5	115	0.09	98.8	
JUNE									
975-541	Monday, 1 June 2015	12:49:21	03/07/2015	16/07/2015	5	115	0.15	104.9	
984-91	Monday, 1 June 2015	12:52:15	03/07/2015	16/07/2015	5	115	0.10	98.8	
975-542	Thursday, 4 June 2015	12:39:24	03/07/2015	16/07/2015	5	115	0.09	91.5	
984-92	Friday, 5 June 2015	12:47:28	03/07/2015	16/07/2015	5	115	0.11	91.5	
984-97	Sunday, 7 June 2015	12:37:53	03/07/2015	16/07/2015	1	95	0.08	91.5	
957-60	Wednesday, 10 June 2015	12:35:14	03/07/2015	16/07/2015	5	115	0.10	94.0	
957-61	Friday, 12 June 2015	12:29:06	03/07/2015	16/07/2015	5	115	0.12	91.5	
984-93	Sunday, 21 June 2015	9:21:28	03/07/2015	16/07/2015	1	95	0.09	91.5	
984-94a	Monday, 22 June 2015	12:30:37	03/07/2015	16/07/2015	5	115	0.08	88.0	
984-94b-95	Sunday, 28 June 2015	12:34:54	03/07/2015	16/07/2015	1	95	0.08	91.5	
975-82	Tuesday, 30 June 2015	12:34:21	03/07/2015	16/07/2015	5	115	0.15	91.5	
JULY									
984-96	Saturday, 4 July 2015	12:45:36	14/08/2015	20/08/2015	5	115	0.17	94.0	
975-83	Monday, 6 July 2015	12:28:56	14/08/2015	20/08/2015	5	115	0.11	91.5	
957-62	Tuesday, 7 July 2015	12:39:18	14/08/2015	20/08/2015	5	115	0.10	91.5	
957-63	Friday, 10 July 2015	12:39:57	14/08/2015	20/08/2015	5	115	0.18	95.9	
975-84	Sunday, 12 July 2015	12:41:05	14/08/2015	20/08/2015	1	**95**	0.13	**109.5**	Airblast overpressure exceedance was caused by localised environmental factors
975-85	Wednesday, 15 July 2015	12:29:10	14/08/2015	20/08/2015	5	115	0.18	91.5	
957-64	Friday, 17 July 2015	12:39:23	14/08/2015	20/08/2015	5	115	0.10	110.2	
975-86	Saturday, 18 July 2015	12:35:11	14/08/2015	20/08/2015	5	115	0.10	88.0	
975-87	Monday, 20 July 2015	13:26:00	14/08/2015	20/08/2015	5	115	0.09	94.0	
975-88	Wednesday, 22 July 2015	13:31:30	14/08/2015	20/08/2015	5	115	1.25	114.6	
948-32	Saturday, 25 July 2015	12:30:56	14/08/2015	20/08/2015	5	115	0.12	94.0	
957-533	Monday, 27 July 2015	12:44:28	14/08/2015	20/08/2015	5	115	0.09	111.5	
957-532	Tuesday, 28 July 2015	12:31:09	14/08/2015	20/08/2015	5	115	1.08	104.9	
975-89	Wednesday, 29 July 2015	12:38:53	14/08/2015	20/08/2015	5	115	0.09	88.0	
966-59b	Friday, 31 July 2015	12:49:12	14/08/2015	20/08/2015	5	115	0.09	91.5	
AUGUST									
975-91	Monday, 3 August 2015	12:52:52	07/09/2015	15/09/2015	5	115	0.08	95.9	
966-72	Tuesday, 4 August 2015	12:40:26	07/09/2015	15/09/2015	5	115	0.09	97.5	
957-531	Wednesday, 5 August 2015	12:38:30	07/09/2015	15/09/2015	5	115	0.08	103.5	
975-90	Friday, 7 August 2015	15:43:02	07/09/2015	15/09/2015	5	115	0.98	91.5	
966-73	Sunday, 9 August 2015	12:28:15	07/09/2015	15/09/2015	1	95	0.09	88.0	
957-530	Monday, 10 August 2015	12:30:43	07/09/2015	15/09/2015	5	115	0.08	94.0	
966-71a	Tuesday, 11 August 2015	12:34:16	07/09/2015	15/09/2015	5	115	0.09	88.0	
957-529	Wednesday, 12 August 2015	12:31:19	07/09/2015	15/09/2015	5	115	0.09	101.9	
957-528	Thursday, 13 August 2015	12:31:59	07/09/2015	15/09/2015	5	115	0.08	97.5	
966-71b	Saturday, 15 August 2015	12:32:37	07/09/2015	15/09/2015	5	115	0.09	91.5	
966-85	Tuesday, 18 August 2015	12:35:43	07/09/2015	15/09/2015	5	115	0.09	91.5	
966-70	Wednesday, 19 August 2015	12:38:26	07/09/2015	15/09/2015	5	115	0.09	91.5	
966-77	Thursday, 20 August 2015	12:31:04	07/09/2015	15/09/2015	5	115	0.09	88.0	
957-527	Saturday, 22 August 2015	12:30:34	07/09/2015	15/09/2015	5	115	0.08	95.9	
948-33	Monday, 24 August 2015	12:31:20	07/09/2015	15/09/2015	5	115	0.16	91.5	
957-76	Wednesday, 26 August 2015	12:35:11	07/09/2015	15/09/2015	5	115	na	na	Unit offline
966-69a	Wednesday, 26 August 2015	12:37:22	07/09/2015	15/09/2015	5	115	na	na	Unit offline
957-75	Sunday, 30 August 2015	12:34:41	07/09/2015	15/09/2015	1	95	na	na	Unit offline
SEPTEMBER									
966-84	Wednesday, 2 September 2015	15:13:05	07/10/2015	21/10/2015	5	115	1.11	100.0	
957-65	Friday, 4 September 2015	12:31:47	07/10/2015	21/10/2015	5	115	0.09	88.0	
966-83	Saturday, 5 September 2015	12:29:16	07/10/2015	21/10/2015	5	115	0.09	88.0	
966-82	Sunday, 6 September 2015	12:38:17	07/10/2015	21/10/2015	1	95	0.09	88.0	
966-81	Tuesday, 8 September 2015	12:30:46	07/10/2015	21/10/2015	5	115	0.08	95.9	
939-535	Wednesday, 9 September 2015	12:26:04	07/10/2015	21/10/2015	5	115	0.09	94.0	
957-67	Friday, 11 September 2015	12:27:16	07/10/2015	21/10/2015	5	115	0.12	91.5	
939-536	Saturday, 12 September 2015	12:24:54	07/10/2015	21/10/2015	5	115	0.11	94.0	
957-66	Wednesday, 16 September 2015	12:34:37	07/10/2015	21/10/2015	5	115	0.09	91.5	
957-77	Thursday, 17 September 2015	12:26:37	07/10/2015	21/10/2015	5	115	0.09	98.8	
957-68	Monday, 21 September 2015	12:28:36	07/10/2015	21/10/2015	5	115	0.10	91.5	
939-537	Monday, 21 September 2015	12:33:06	07/10/2015	21/10/2015	5	115	0.08	91.5	
939-538	Tuesday, 22 September 2015	12:33:49	07/10/2015	21/10/2015	5	115	0.18	100.0	
957-87	Wednesday, 23 September 2015	14:58:13	07/10/2015	21/10/2015	5	115	na	na	Unit offline
957-69a-70a	Sunday, 27 September 2015	12:29:16	07/10/2015	21/10/2015	1	95	na	na	Unit offline
948-34	Monday, 28 September 2015	12:38:34	07/10/2015	21/10/2015	5	115	na	na	Unit offline
939-533	Wednesday, 30 September 2015	12:29:41	07/10/2015	21/10/2015	5	115	na	na	Unit offline
OCTOBER									
939-534	Thursday, 1 October 2015	12:42:00	12/11/2015	18/11/2015	5	115	0.09	95.9	
939-532	Friday, 2 October 2015	12:27:00	12/11/2015	18/11/2015	5	115	0.12	94.0	
948-35	Monday, 5 October 2015	12:30:00	12/11/2015	18/11/2015	1	95	0.16	94.0	
957-85	Wednesday, 7 October 2015	12:42:00	12/11/2015	18/11/2015	5	115	0.20	91.5	
957-69b-70b	Wednesday, 7 October 2015	12:44:00	12/11/2015	18/11/2015	5	115	0.12	91.5	
948-36	Monday, 12 October 2015	12:24:00	12/11/2015	18/11/2015	5	115	0.12	100.0	
939-531	Wednesday, 14 October 2015	12:25:00	12/11/2015	18/11/2015	5	115	0.09	91.5	
975-78	Friday, 16 October 2015	12:32:00	12/11/2015	18/11/2015	5	115	0.12	91.5	
948-37	Sunday, 18 October 2015	12:34:00	12/11/2015	18/11/2015	1	95	0.11	91.5	
957-84	Thursday, 22 October 2015	15:05:00	12/11/2015	18/11/2015	5	115	0.09	98.8	
948-38	Saturday, 24 October 2015	12:23:00	12/11/2015	18/11/2015	5	115	0.12	91.5	
957-83	Monday, 26 October 2015	12:35:00	12/11/2015	18/11/2015	5	115	0.08	91.5	
939-529	Tuesday, 27 October 2015	12:26:00	12/11/2015	18/11/2015	5	115	0.16	102.8	
948-41A	Friday, 30 October 2015	12:34:00	12/11/2015	18/11/2015	5	115	0.10	91.5	
NOVEMBER									
948-43	Monday, 2 November 2015	12:30	08/12/2015	18/12/2015	5	115	0.11	91.5	
948-42	Wednesday, 4 November 2015	12:25	08/12/2015	18/12/2015	5	115	0.09	88.0	
966-68b-69b	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	5	115	0.13	91.5	
957-526	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	5	115	0.13	91.5	
939-25	Sunday, 22 November 2015	12:26	08/12/2015	18/12/2015	1	95	0.15	91.5	
966-78	Monday, 23 November 2015	12:36	08/12/2015	18/12/2015	5	115	0.09	98.8	
939-26	Tuesday, 24 November 2015	12:31	08/12/2015	18/12/2015	5	115	0.13	91.5	
966-79	Wednesday, 25 November 2015	12:53	08/12/2015	18/12/2015	5	115	0.49	91.5	
966-80	Thursday, 26 November 2015	15:04	08/12/2015	18/12/2015	5	115	0.08	91.5	
939-27	Saturday, 28 November 2015	12:35	08/12/2015	18/12/2015	5	115	0.09	102.8	
DECEMBER									
957-71	Thursday, 3 December 2015	13:06	06/01/2016	20/01/2016	5	115	0.10	94.0	
957-74	Monday, 7 December 2015	12:40	06/01/2016	20/01/2016	5	115	0.09	97.5	
957-72	Wednesday, 9 December 2015	12:34	06/01/2016	20/01/2016	5	115	0.11	88.0	
957-69C	Friday, 11 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.11	88.0	
948-58	Saturday, 12 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.09	81.9	
948-59	Monday, 14 December 2015	12:28	06/01/2016	20/01/2016	5	115	0.11	81.9	
939-28	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	5	115	0.11	88.0	
948-60	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	5	115	0.11	88.0	
957-78	Thursday, 17 December 2015	12:32	06/01/2016	20/01/2016	5	115	0.11	81.9	
939-29	Saturday, 19 December 2015	12:23	06/01/2016	20/01/2016	5	115	0.12	88.0	
957-79	Saturday, 19 December 2015	12:25	06/01/2016	20/01/2016	5	115	0.11	88.0	
957-80	Monday, 21 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.10	81.9	
948-61	Wednesday, 23 December 2015	12:30	06/01/2016	20/01/2016	5	115	0.10	88.0	
948-62	Saturday, 26 December 2015	14:57	06/01/2016	20/01/2016	1	95	0.09	81.9	
939-30	Saturday, 26 December 2015	15:08	06/01/2016	20/01/2016	1	95	0.09	91.5	
939-539	Sunday, 27 December 2015	12:29	06/01/2016	20/01/2016	1	95	0.11	88.0	
939-540	Tuesday, 29 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.11	81.9	
948-44	Wednesday, 30 December 2015	12:41	06/01/2016	20/01/2016	5	115	0.15	81.9	
939-520	Thursday, 31 December 2015	12:32	06/01/2016	20/01/2016	5	115	0.11	81.9	

Blasting & Ground Vibration

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: BM04.1 <Bird Breeding Area>
Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded in Lake Cowal to the north-north-east of ML1535 boundary

					Compliance Limits		BM04 at Blast Time		
Blast Number	**Day/Date**	**Time**	**Date Obtained**	**Date Published**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Comments**
JANUARY - This monitor is not located relative to any privately owned residence.									
984-78	Thursday, 1 January 2015	12:30:41	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-71	Friday, 2 January 2015	12:29:32	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-53	Saturday, 3 January 2015	12:36:21	09/02/2015	19/02/2015	-	-	na	na	Unit offline
993-79	Sunday, 4 January 2015	12:39:02	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-79	Monday, 5 January 2015	12:41:48	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-54	Monday, 5 January 2015	13:28:49	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-55	Thursday, 8 January 2015	12:35:53	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-72	Saturday, 10 January 2015	12:30:26	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-49	Tuesday, 13 January 2015	12:28:18	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-534	Tuesday, 13 January 2015	12:46:35	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-73	Thursday, 15 January 2015	12:39:14	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-70	Friday, 16 January 2015	12:32:00	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-56	Saturday, 17 January 2015	12:32:11	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-71	Saturday, 17 January 2015	12:34:13	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-72	Sunday, 18 January 2015	12:25:41	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-73	Monday, 19 January 2015	12:29:25	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-80	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-57	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-81	Thursday, 22 January 2015	12:31:15	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-58	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-82	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-59	Monday, 26 January 2015	12:35:44	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-74	Thursday, 29 January 2015	12:33:01	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-60	Friday, 30 January 2015	12:24:04	09/02/2015	19/02/2015	-	-	na	na	Unit offline
957-518	Saturday, 31 January 2015	12:25:00	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-83	Saturday, 31 January 2015	12:26:58	09/02/2015	19/02/2015	-	-	na	na	Unit offline
FEBRUARY									
984-74	Sunday, 1 February 2015	12:35:41	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-519	Monday, 2 February 2015	12:35:09	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-517	Wednesday, 4 February 2015	12:29:57	06/03/2015	19/03/2015	-	-	na	na	Unit offline
984-84	Friday, 6 February 2015	12:35:02	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-520	Friday, 6 February 2015	12:42:24	06/03/2015	19/03/2015	-	-	na	na	Unit offline
984-85	Sunday, 8 February 2015	12:36:43	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-521	Monday, 9 February 2015	12:28:06	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-61	Tuesday, 10 February 2015	12:40:09	06/03/2015	19/03/2015	-	-	na	na	Unit offline
984-86	Wednesday, 11 February 2015	13:05:23	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1011-545	Thursday, 12 February 2015	12:31:41	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-62	Friday, 13 February 2015	12:31:36	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1011-544	Saturday, 14 February 2015	12:35:32	06/03/2015	19/03/2015	-	-	na	na	Unit offline
966-49	Monday, 16 February 2015	12:23:08	06/03/2015	19/03/2015	-	-	na	na	Unit offline
984-87	Monday, 16 February 2015	12:25:11	06/03/2015	19/03/2015	-	-	na	na	Unit offline
966-50	Tuesday, 17 February 2015	12:29:00	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-75	Thursday, 19 February 2015	12:34:28	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1020-106	Friday, 20 February 2015	12:47:00	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-76	Saturday, 21 February 2015	12:32:33	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1020-107	Sunday, 22 February 2015	12:32:18	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-77	Monday, 23 February 2015	12:30:38	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-63-65	Tuesday, 24 February 2015	12:33:22	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-522a	Wednesday, 25 February 2015	12:27:17	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-64	Thursday, 26 February 2015	12:37:21	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1020-108	Friday, 27 February 2015	12:32:14	06/03/2015	19/03/2015	-	-	na	na	Unit offline
MARCH									
975-66	Sunday, 1 March 2015	12:35:36	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1020-109	Sunday, 1 March 2015	12:37:39	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1020-110	Monday, 2 March 2015	12:29:00	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-55	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	-	-	na	na	Unit offline
957-523a	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	-	-	na	na	Unit offline
975-67	Thursday, 5 March 2015	12:32:19	09/04/2015	22/04/2015	-	-	0.24	113.3	
957-524	Friday, 6 March 2015	12:32:01	09/04/2015	22/04/2015	-	-	0.09	104.2	
1011-101	Saturday, 7 March 2015	12:35:35	09/04/2015	22/04/2015	-	-	0.09	94.0	
966-56	Monday, 9 March 2015	12:34:56	09/04/2015	22/04/2015	-	-	0.09	94.0	
1011-102	Tuesday, 10 March 2015	12:29:48	09/04/2015	22/04/2015	-	-	0.08	94.0	
975-79	Thursday, 12 March 2015	12:47:49	09/04/2015	22/04/2015	-	-	0.09	81.9	
966-53	Friday, 13 March 2015	12:37:04	09/04/2015	22/04/2015	-	-	na	na	Unit offline
975-81	Saturday, 14 March 2015	12:35:02	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-54	Sunday, 15 March 2015	12:27:26	09/04/2015	22/04/2015	-	-	na	na	Unit offline
975-80	Monday, 16 March 2015	12:31:58	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-60	Tuesday, 17 March 2015	12:42:31	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1011-103	Tuesday, 17 March 2015	12:45:07	09/04/2015	22/04/2015	-	-	na	na	Unit offline
957-522b-523b	Wednesday, 18 March 2015	12:33:40	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-58	Thursday, 19 March 2015	12:28:37	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1011-104	Thursday, 19 March 2015	12:48:49	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1011-105	Friday, 20 March 2015	12:38:05	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-57	Sunday, 22 March 2015	12:40:26	09/04/2015	22/04/2015	-	-	na	na	Unit offline
993-542	Tuesday, 24 March 2015	12:32:28	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-51	Wednesday, 25 March 2015	12:34:37	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-52	Thursday, 26 March 2015	12:33:30	09/04/2015	22/04/2015	-	-	na	na	Unit offline
993-543	Friday, 27 March 2015	12:41:26	09/04/2015	22/04/2015	-	-	na	na	Unit offline
993-544	Saturday, 28 March 2015	12:36:47	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-61	Sunday, 29 March 2015	12:30:33	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1002-90	Tuesday, 31 March 2015	12:35:49	09/04/2015	22/04/2015	-	-	na	na	Unit offline
APRIL									
993-545	Wednesday, 1 April 2015	12:31	06/05/2015	20/05/2015	-	-	na	na	Unit offline
993-546	Thursday, 2 April 2015	12:29	06/05/2015	20/05/2015	-	-	na	na	Unit offline
1002-91	Friday, 3 April 2015	12:42	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-74	Sunday, 5 April 2015	13:43	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-66	Monday, 6 April 2015	12:35	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-75	Tuesday, 7 April 2015	12:14	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-67	Thursday, 9 April 2015	12:30	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-68a	Saturday, 11 April 2015	12:26	06/05/2015	20/05/2015	-	-	na	na	Unit offline
957-49	Monday, 13 April 2015	12:26	06/05/2015	20/05/2015	-	-	na	na	Unit offline
1002-92	Monday, 13 April 2015	12:28	06/05/2015	20/05/2015	-	-	na	na	Unit offline
1002-93	Wednesday, 15 April 2015	12:33	06/05/2015	20/05/2015	-	-	na	na	Unit offline
1002-94	Friday, 17 April 2015	12:31	06/05/2015	20/05/2015	-	-	0.12	91.5	
1002-95	Sunday, 19 April 2015	12:33	06/05/2015	20/05/2015	-	-	0.17	102.8	
957-50	Monday, 20 April 2015	12:46	06/05/2015	20/05/2015	-	-	0.14	91.5	
966-62	Saturday, 25 April 2015	13:07	06/05/2015	20/05/2015	-	-	0.10	94.0	
984-88	Sunday, 26 April 2015	12:27	06/05/2015	20/05/2015	-	-	0.12	102.8	
993-89	Monday, 27 April 2015	12:33	06/05/2015	20/05/2015	-	-	0.11	100.0	
966-63	Tuesday, 28 April 2015	12:32	06/05/2015	20/05/2015	-	-	0.11	88.0	
966-64	Wednesday, 29 April 2015	12:36	06/05/2015	20/05/2015	-	-	0.10	94.0	
993-90	Thursday, 30 April 2015	12:42	06/05/2015	20/05/2015	-	-	0.10	91.5	
MAY									
966-65	Saturday, 2 May 2015	12:40	05/06/2015	19/06/2015	-	-	0.10	91.5	
993-91	Sunday, 3 May 2015	12:29	05/06/2015	19/06/2015	-	-	0.10	102.8	
957-51	Tuesday, 5 May 2015	12:28	05/06/2015	19/06/2015	-	-	0.13	108.4	
957-53	Thursday, 7 May 2015	12:29	05/06/2015	19/06/2015	-	-	0.12	95.9	
966-76	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	-	-	0.10	98.8	
957-52	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	-	-	0.12	95.9	
993-95	Saturday, 9 May 2015	12:39	05/06/2015	19/06/2015	-	-	0.11	97.5	
993-94	Monday, 11 May 2015	12:32	05/06/2015	19/06/2015	-	-	0.12	105.5	
957-54	Tuesday, 12 May 2015	12:31	05/06/2015	19/06/2015	-	-	0.12	104.2	
957-55	Thursday, 14 May 2015	12:38	05/06/2015	19/06/2015	-	-	0.12	103.5	
975-535	Thursday, 14 May 2015	12:40	05/06/2015	19/06/2015	-	-	0.12	108.8	
957-56	Saturday, 16 May 2015	12:33	05/06/2015	19/06/2015	-	-	0.13	88.0	
975-536	Saturday, 16 May 2015	12:37	05/06/2015	19/06/2015	-	-	0.11	88.0	
993-93	Sunday, 17 May 2015	12:36	05/06/2015	19/06/2015	-	-	0.11	88.0	
957-57	Tuesday, 19 May 2015	12:36	05/06/2015	19/06/2015	-	-	0.13	104.2	
975-537	Wednesday, 20 May 2015	12:35	05/06/2015	19/06/2015	-	-	0.12	94.0	
993-92	Wednesday, 20 May 2015	12:37	05/06/2015	19/06/2015	-	-	0.13	94.0	
966-59a	Friday, 22 May 2015	12:31	05/06/2015	19/06/2015	-	-	0.11	98.8	
957-58	Saturday, 23 May 2015	12:27	05/06/2015	19/06/2015	-	-	0.12	88.0	
957-59	Monday, 25 May 2015	12:39	05/06/2015	19/06/2015	-	-	0.12	88.0	
975-538	Wednesday, 27 May 2015	12:37	05/06/2015	19/06/2015	-	-	0.11	94.0	
984-89	Wednesday, 27 May 2015	12:39	05/06/2015	19/06/2015	-	-	0.11	94.0	
975-539	Friday, 29 May 2015	12:44	05/06/2015	19/06/2015	-	-	0.11	98.8	
984-90	Friday, 29 May 2015	12:49	05/06/2015	19/06/2015	-	-	0.11	91.5	
975-540	Saturday, 30 May 2015	12:33	05/06/2015	19/06/2015	-	-	0.12	100.0	
JUNE									
975-541	Monday, 1 June 2015	12:49:21	03/07/2015	16/07/2015	-	-	0.13	102.8	
984-91	Monday, 1 June 2015	12:52:15	03/07/2015	16/07/2015	-	-	0.12	106.5	
975-542	Thursday, 4 June 2015	12:39:24	03/07/2015	16/07/2015	-	-	0.14	95.9	
984-92	Friday, 5 June 2015	12:47:28	03/07/2015	16/07/2015	-	-	0.23	88.0	
984-97	Sunday, 7 June 2015	12:37:53	03/07/2015	16/07/2015	-	-	0.12	94.0	
957-60	Wednesday, 10 June 2015	12:35:14	03/07/2015	16/07/2015	-	-	0.13	88.0	
957-61	Friday, 12 June 2015	12:29:06	03/07/2015	16/07/2015	-	-	0.11	88.0	
984-93	Sunday, 21 June 2015	9:21:28	03/07/2015	16/07/2015	-	-	0.14	88.0	
984-94a	Monday, 22 June 2015	12:30:37	03/07/2015	16/07/2015	-	-	0.11	94.0	
984-94b-95	Sunday, 28 June 2015	12:34:54	03/07/2015	16/07/2015	-	-	0.25	88.0	
975-82	Tuesday, 30 June 2015	12:34:21	03/07/2015	16/07/2015	-	-	0.13	88.0	
JULY									
984-96	Saturday, 4 July 2015	12:45:36	14/08/2015	20/08/2015	-	-	0.13	91.5	
975-83	Monday, 6 July 2015	12:28:56	14/08/2015	20/08/2015	-	-	0.24	106.5	
957-62	Tuesday, 7 July 2015	12:39:18	14/08/2015	20/08/2015	-	-	0.16	94.0	
957-63	Friday, 10 July 2015	12:39:57	14/08/2015	20/08/2015	-	-	0.19	97.5	
975-84	Sunday, 12 July 2015	12:41:05	14/08/2015	20/08/2015	-	-	0.23	115.0	
975-85	Wednesday, 15 July 2015	12:29:10	14/08/2015	20/08/2015	-	-	0.20	88.0	
957-64	Friday, 17 July 2015	12:39:23	14/08/2015	20/08/2015	-	-	0.22	110.6	
975-86	Saturday, 18 July 2015	12:35:11	14/08/2015	20/08/2015	-	-	0.14	88.0	
975-87	Monday, 20 July 2015	13:26:00	14/08/2015	20/08/2015	-	-	0.43	97.5	
975-88	Wednesday, 22 July 2015	13:31:30	14/08/2015	20/08/2015	-	-	0.27	88.0	
948-32	Saturday, 25 July 2015	12:30:56	14/08/2015	20/08/2015	-	-	0.14	105.5	
957-533	Monday, 27 July 2015	12:44:28	14/08/2015	20/08/2015	-	-	0.20	108.0	
957-532	Tuesday, 28 July 2015	12:31:09	14/08/2015	20/08/2015	-	-	0.15	102.8	
975-89	Wednesday, 29 July 2015	12:38:53	14/08/2015	20/08/2015	-	-	0.19	91.5	
966-59b	Friday, 31 July 2015	12:49:12	14/08/2015	20/08/2015	-	-	0.15	91.5	
AUGUST									
975-91	Monday, 3 August 2015	12:52:52	07/09/2015	15/09/2015	-	-	0.13	108.4	
966-72	Tuesday, 4 August 2015	12:40:26	07/09/2015	15/09/2015	-	-	0.17	94.0	
957-531	Wednesday, 5 August 2015	12:38:30	07/09/2015	15/09/2015	-	-	0.16	109.5	
975-90	Friday, 7 August 2015	15:43:02	07/09/2015	15/09/2015	-	-	0.12	91.5	
966-73	Sunday, 9 August 2015	12:28:15	07/09/2015	15/09/2015	-	-	0.14	94.0	
957-530	Monday, 10 August 2015	12:30:43	07/09/2015	15/09/2015	-	-	0.18	101.9	
966-71a	Tuesday, 11 August 2015	12:34:16	07/09/2015	15/09/2015	-	-	0.12	94.0	
957-529	Wednesday, 12 August 2015	12:31:19	07/09/2015	15/09/2015	-	-	0.14	108.4	
957-528	Thursday, 13 August 2015	12:31:59	07/09/2015	15/09/2015	-	-	0.13	100.0	
966-71b	Saturday, 15 August 2015	12:32:37	07/09/2015	15/09/2015	-	-	0.13	91.5	
966-85	Tuesday, 18 August 2015	12:35:43	07/09/2015	15/09/2015	-	-	0.12	97.5	
966-70	Wednesday, 19 August 2015	12:38:26	07/09/2015	15/09/2015	-	-	0.11	88.0	
966-77	Thursday, 20 August 2015	12:31:04	07/09/2015	15/09/2015	-	-	0.12	88.0	
957-527	Saturday, 22 August 2015	12:30:34	07/09/2015	15/09/2015	-	-	0.10	97.5	
948-33	Monday, 24 August 2015	12:31:20	07/09/2015	15/09/2015	-	-	0.13	95.9	
957-76	Wednesday, 26 August 2015	12:35:11	07/09/2015	15/09/2015	-	-	0.12	91.5	
966-69a	Wednesday, 26 August 2015	12:37:22	07/09/2015	15/09/2015	-	-	0.12	91.5	
957-75	Sunday, 30 August 2015	12:34:41	07/09/2015	15/09/2015	-	-	0.15	91.5	
SEPTEMBER									
966-84	Wednesday, 2 September 2015	15:13:05	07/10/2015	21/10/2015	-	-	0.13	97.5	
957-65	Friday, 4 September 2015	12:31:47	07/10/2015	21/10/2015	-	-	0.13	91.5	
966-83	Saturday, 5 September 2015	12:29:16	07/10/2015	21/10/2015	-	-	0.11	91.5	
966-82	Sunday, 6 September 2015	12:38:17	07/10/2015	21/10/2015	-	-	0.20	88.0	
966-81	Tuesday, 8 September 2015	12:30:46	07/10/2015	21/10/2015	-	-	0.12	97.5	
939-535	Wednesday, 9 September 2015	12:26:04	07/10/2015	21/10/2015	-	-	0.12	102.8	
957-67	Friday, 11 September 2015	12:27:16	07/10/2015	21/10/2015	-	-	0.12	97.5	
939-536	Saturday, 12 September 2015	12:24:54	07/10/2015	21/10/2015	-	-	0.14	91.5	
957-66	Wednesday, 16 September 2015	12:34:37	07/10/2015	21/10/2015	-	-	0.13	91.5	
957-77	Thursday, 17 September 2015	12:26:37	07/10/2015	21/10/2015	-	-	0.12	105.5	
957-68	Monday, 21 September 2015	12:28:36	07/10/2015	21/10/2015	-	-	0.49	97.5	
939-537	Monday, 21 September 2015	12:33:06	07/10/2015	21/10/2015	-	-	0.65	95.9	
939-538	Tuesday, 22 September 2015	12:33:49	07/10/2015	21/10/2015	-	-	0.13	104.9	
957-87	Wednesday, 23 September 2015	14:58:13	07/10/2015	21/10/2015	-	-	0.12	95.9	
957-69a-70a	Sunday, 27 September 2015	12:29:16	07/10/2015	21/10/2015	-	-	0.13	94.0	
948-34	Monday, 28 September 2015	12:38:34	07/10/2015	21/10/2015	-	-	0.12	88.0	
939-533	Wednesday, 30 September 2015	12:29:41	07/10/2015	21/10/2015	-	-	0.14	91.5	
OCTOBER									
939-534	Thursday, 1 October 2015	12:42:00	12/11/2015	18/11/2015	-	-	0.12	114.6	
939-532	Friday, 2 October 2015	12:27:00	12/11/2015	18/11/2015	-	-	0.10	95.9	
948-35	Monday, 5 October 2015	12:30:00	12/11/2015	18/11/2015	-	-	0.13	94.0	
957-85	Wednesday, 7 October 2015	12:42:00	12/11/2015	18/11/2015	-	-	0.13	95.9	
957-69b-70b	Wednesday, 7 October 2015	12:44:00	12/11/2015	18/11/2015	-	-	0.13	101.0	
948-36	Monday, 12 October 2015	12:24:00	12/11/2015	18/11/2015	-	-	0.14	97.5	
939-531	Wednesday, 14 October 2015	12:25:00	12/11/2015	18/11/2015	-	-	0.11	98.8	
975-78	Friday, 16 October 2015	12:32:00	12/11/2015	18/11/2015	-	-	0.15	98.8	
948-37	Sunday, 18 October 2015	12:34:00	12/11/2015	18/11/2015	-	-	0.10	88.0	
957-84	Thursday, 22 October 2015	15:05:00	12/11/2015	18/11/2015	-	-	0.11	101.9	
948-38	Saturday, 24 October 2015	12:23:00	12/11/2015	18/11/2015	-	-	0.11	98.8	
957-83	Monday, 26 October 2015	12:35:00	12/11/2015	18/11/2015	-	-	0.14	94.0	
939-529	Tuesday, 27 October 2015	12:26:00	12/11/2015	18/11/2015	-	-	0.13	114.0	
948-41A	Friday, 30 October 2015	12:34:00	12/11/2015	18/11/2015	-	-	0.11	101.0	
NOVEMBER									
948-43	Monday, 2 November 2015	12:30	08/12/2015	18/12/2015	-	-	0.14	94.0	
948-42	Wednesday, 4 November 2015	12:25	08/12/2015	18/12/2015	-	-	0.11	91.5	
966-68b-69b	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	-	-	0.09	91.5	
957-526	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	-	-	0.09	91.5	
939-25	Sunday, 22 November 2015	12:26	08/12/2015	18/12/2015	-	-	0.18	98.8	
966-78	Monday, 23 November 2015	12:36	08/12/2015	18/12/2015	-	-	0.17	98.8	
939-26	Tuesday, 24 November 2015	12:31	08/12/2015	18/12/2015	-	-	0.18	95.9	
966-79	Wednesday, 25 November 2015	12:53	08/12/2015	18/12/2015	-	-	0.18	101.0	
966-80	Thursday, 26 November 2015	15:04	08/12/2015	18/12/2015	-	-	0.11	95.9	
939-27	Saturday, 28 November 2015	12:35	08/12/2015	18/12/2015	-	-	0.11	91.5	
DECEMBER									
957-71	Thursday, 3 December 2015	13:06	06/01/2016	20/01/2016	-	-	0.13	98.8	
957-74	Monday, 7 December 2015	12:40	06/01/2016	20/01/2016	-	-	0.09	104.9	
957-72	Wednesday, 9 December 2015	12:34	06/01/2016	20/01/2016	-	-	0.14	95.9	
957-69C	Friday, 11 December 2015	12:31	06/01/2016	20/01/2016	-	-	0.19	101.9	
948-58	Saturday, 12 December 2015	12:31	06/01/2016	20/01/2016	-	-	0.12	95.9	
948-59	Monday, 14 December 2015	12:28	06/01/2016	20/01/2016	-	-	0.11	88.0	
939-28	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	-	-	0.12	101.0	
948-60	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	-	-	0.12	101.0	
957-78	Thursday, 17 December 2015	12:32	06/01/2016	20/01/2016	-	-	0.13	94.0	
939-29	Saturday, 19 December 2015	12:23	06/01/2016	20/01/2016	-	-	0.15	100.0	
957-79	Saturday, 19 December 2015	12:25	06/01/2016	20/01/2016	-	-	0.16	95.9	
957-80	Monday, 21 December 2015	12:31	06/01/2016	20/01/2016	-	-	0.14	88.0	
948-61	Wednesday, 23 December 2015	12:30	06/01/2016	20/01/2016	-	-	0.21	100.0	
948-62	Saturday, 26 December 2015	14:57	06/01/2016	20/01/2016	-	-	0.15	102.8	
939-30	Saturday, 26 December 2015	15:08	06/01/2016	20/01/2016	-	-	0.14	104.9	
939-539	Sunday, 27 December 2015	12:29	06/01/2016	20/01/2016	-	-	0.24	103.5	
939-540	Tuesday, 29 December 2015	12:31	06/01/2016	20/01/2016	-	-	0.14	94.0	
948-44	Wednesday, 30 December 2015	12:41	06/01/2016	20/01/2016	-	-	0.13	94.0	
939-520	Thursday, 31 December 2015	12:32	06/01/2016	20/01/2016	-	-	0.15	94.0	

Blasting & Ground Vibration

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: BM05 <Bird Breeding Area>
Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded in Lake Cowal to the north-east of ML1535 boundary

					Compliance Limits		BM05 at Blast Time		
Blast Number	Day/Date	Time	Date Obtained	Date Published	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Ground Vibration (mm/s)	Airblast Overpressure (dB(L))	Comments
JANUARY - This monitor is not located relative to any privately owned residence.									
984-78	Thursday, 1 January 2015	12:30:41	09/02/2015	19/02/2015	-	-	0.11	95.9	
984-71	Friday, 2 January 2015	12:29:32	09/02/2015	19/02/2015	-	-	0.10	91.5	
975-53	Saturday, 3 January 2015	12:36:21	09/02/2015	19/02/2015	-	-	0.20	98.8	
993-79	Sunday, 4 January 2015	12:39:02	09/02/2015	19/02/2015	-	-	0.15	94.0	
984-79	Monday, 5 January 2015	12:41:48	09/02/2015	19/02/2015	-	-	0.10	91.5	
975-54	Monday, 5 January 2015	13:28:49	09/02/2015	19/02/2015	-	-	0.15	91.5	
975-55	Thursday, 8 January 2015	12:35:53	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-72	Saturday, 10 January 2015	12:30:26	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-49	Tuesday, 13 January 2015	12:28:18	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-534	Tuesday, 13 January 2015	12:46:35	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-73	Thursday, 15 January 2015	12:39:14	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-70	Friday, 16 January 2015	12:32:00	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-56	Saturday, 17 January 2015	12:32:11	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-71	Saturday, 17 January 2015	12:34:13	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-72	Sunday, 18 January 2015	12:25:41	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-73	Monday, 19 January 2015	12:29:25	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-80	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-57	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-81	Thursday, 22 January 2015	12:31:15	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-58	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-82	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-59	Monday, 26 January 2015	12:35:44	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-74	Thursday, 29 January 2015	12:33:01	09/02/2015	19/02/2015	-	-	na	na	Unit offline
975-60	Friday, 30 January 2015	12:24:04	09/02/2015	19/02/2015	-	-	na	na	Unit offline
957-518	Saturday, 31 January 2015	12:25:00	09/02/2015	19/02/2015	-	-	na	na	Unit offline
984-83	Saturday, 31 January 2015	12:26:58	09/02/2015	19/02/2015	-	-	na	na	Unit offline
FEBRUARY									
984-74	Sunday, 1 February 2015	12:35:41	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-519	Monday, 2 February 2015	12:35:09	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-517	Wednesday, 4 February 2015	12:29:57	06/03/2015	19/03/2015	-	-	na	na	Unit offline
984-84	Friday, 6 February 2015	12:35:02	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-520	Friday, 6 February 2015	12:42:24	06/03/2015	19/03/2015	-	-	na	na	Unit offline
984-85	Sunday, 8 February 2015	12:36:43	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-521	Monday, 9 February 2015	12:28:06	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-61	Tuesday, 10 February 2015	12:40:09	06/03/2015	19/03/2015	-	-	na	na	Unit offline
984-86	Wednesday, 11 February 2015	13:05:23	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1011-545	Thursday, 12 February 2015	12:31:41	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-62	Friday, 13 February 2015	12:31:36	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1011-544	Saturday, 14 February 2015	12:35:32	06/03/2015	19/03/2015	-	-	na	na	Unit offline
966-49	Monday, 16 February 2015	12:23:08	06/03/2015	19/03/2015	-	-	na	na	Unit offline
984-87	Monday, 16 February 2015	12:25:11	06/03/2015	19/03/2015	-	-	na	na	Unit offline
966-50	Tuesday, 17 February 2015	12:29:00	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-75	Thursday, 19 February 2015	12:34:28	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1020-106	Friday, 20 February 2015	12:47:00	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-76	Saturday, 21 February 2015	12:32:33	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1020-107	Sunday, 22 February 2015	12:32:18	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-77	Monday, 23 February 2015	12:30:38	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-63-65	Tuesday, 24 February 2015	12:33:22	06/03/2015	19/03/2015	-	-	na	na	Unit offline
957-522a	Wednesday, 25 February 2015	12:27:17	06/03/2015	19/03/2015	-	-	na	na	Unit offline
975-64	Thursday, 26 February 2015	12:37:21	06/03/2015	19/03/2015	-	-	na	na	Unit offline
1020-108	Friday, 27 February 2015	12:32:14	06/03/2015	19/03/2015	-	-	na	na	Unit offline
MARCH									
975-66	Sunday, 1 March 2015	12:35:36	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1020-109	Sunday, 1 March 2015	12:37:39	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1020-110	Monday, 2 March 2015	12:29:00	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-55	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	-	-	na	na	Unit offline
957-523a	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	-	-	na	na	Unit offline
975-67	Thursday, 5 March 2015	12:32:19	09/04/2015	22/04/2015	-	-	0.13	109.9	
957-524	Friday, 6 March 2015	12:32:01	09/04/2015	22/04/2015	-	-	0.09	95.9	
1011-101	Saturday, 7 March 2015	12:35:35	09/04/2015	22/04/2015	-	-	0.09	91.5	
966-56	Monday, 9 March 2015	12:34:56	09/04/2015	22/04/2015	-	-	0.16	91.5	
1011-102	Tuesday, 10 March 2015	12:29:48	09/04/2015	22/04/2015	-	-	0.11	94.0	
975-79	Thursday, 12 March 2015	12:47:49	09/04/2015	22/04/2015	-	-	0.09	91.5	
966-53	Friday, 13 March 2015	12:37:04	09/04/2015	22/04/2015	-	-	na	na	Unit offline
975-81	Saturday, 14 March 2015	12:35:02	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-54	Sunday, 15 March 2015	12:27:26	09/04/2015	22/04/2015	-	-	na	na	Unit offline
975-80	Monday, 16 March 2015	12:31:58	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-60	Tuesday, 17 March 2015	12:42:31	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1011-103	Tuesday, 17 March 2015	12:45:07	09/04/2015	22/04/2015	-	-	na	na	Unit offline
957-522b-523b	Wednesday, 18 March 2015	12:33:40	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-58	Thursday, 19 March 2015	12:28:37	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1011-104	Thursday, 19 March 2015	12:48:49	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1011-105	Friday, 20 March 2015	12:38:05	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-57	Sunday, 22 March 2015	12:40:26	09/04/2015	22/04/2015	-	-	na	na	Unit offline
993-542	Tuesday, 24 March 2015	12:32:28	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-51	Wednesday, 25 March 2015	12:34:37	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-52	Thursday, 26 March 2015	12:33:30	09/04/2015	22/04/2015	-	-	na	na	Unit offline
993-543	Friday, 27 March 2015	12:41:26	09/04/2015	22/04/2015	-	-	na	na	Unit offline
993-544	Saturday, 28 March 2015	12:36:47	09/04/2015	22/04/2015	-	-	na	na	Unit offline
966-61	Sunday, 29 March 2015	12:30:33	09/04/2015	22/04/2015	-	-	na	na	Unit offline
1002-90	Tuesday, 31 March 2015	12:35:49	09/04/2015	22/04/2015	-	-	na	na	Unit offline
APRIL									
993-545	Wednesday, 1 April 2015	12:31	06/05/2015	20/05/2015	-	-	na	na	Unit offline
993-546	Thursday, 2 April 2015	12:29	06/05/2015	20/05/2015	-	-	na	na	Unit offline
1002-91	Friday, 3 April 2015	12:42	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-74	Sunday, 5 April 2015	13:43	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-66	Monday, 6 April 2015	12:35	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-75	Tuesday, 7 April 2015	12:14	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-67	Thursday, 9 April 2015	12:30	06/05/2015	20/05/2015	-	-	na	na	Unit offline
966-68a	Saturday, 11 April 2015	12:26	06/05/2015	20/05/2015	-	-	na	na	Unit offline
957-49	Monday, 13 April 2015	12:26	06/05/2015	20/05/2015	-	-	na	na	Unit offline
1002-92	Monday, 13 April 2015	12:28	06/05/2015	20/05/2015	-	-	na	na	Unit offline
1002-93	Wednesday, 15 April 2015	12:33	06/05/2015	20/05/2015	-	-	na	na	Unit offline
1002-94	Friday, 17 April 2015	12:31	06/05/2015	20/05/2015	-	-	0.07	88.0	
1002-95	Sunday, 19 April 2015	12:33	06/05/2015	20/05/2015	-	-	0.07	102.8	
957-50	Monday, 20 April 2015	12:46	06/05/2015	20/05/2015	-	-	0.10	94.0	
966-62	Saturday, 25 April 2015	13:07	06/05/2015	20/05/2015	-	-	0.08	91.5	
984-88	Sunday, 26 April 2015	12:27	06/05/2015	20/05/2015	-	-	0.07	97.5	
993-89	Monday, 27 April 2015	12:33	06/05/2015	20/05/2015	-	-	0.10	98.8	
966-63	Tuesday, 28 April 2015	12:32	06/05/2015	20/05/2015	-	-	0.07	94.0	
966-64	Wednesday, 29 April 2015	12:36	06/05/2015	20/05/2015	-	-	0.09	94.0	
993-90	Thursday, 30 April 2015	12:42	06/05/2015	20/05/2015	-	-	0.09	94.0	
MAY									
966-65	Saturday, 2 May 2015	12:40	05/06/2015	19/06/2015	-	-	0.12	88.0	
993-91	Sunday, 3 May 2015	12:29	05/06/2015	19/06/2015	-	-	0.08	98.8	
957-51	Tuesday, 5 May 2015	12:28	05/06/2015	19/06/2015	-	-	0.14	110.2	
957-53	Thursday, 7 May 2015	12:29	05/06/2015	19/06/2015	-	-	0.08	106.0	
966-76	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	-	-	0.07	101.0	
957-52	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	-	-	0.11	95.9	
993-95	Saturday, 9 May 2015	12:39	05/06/2015	19/06/2015	-	-	0.07	100.0	
993-94	Monday, 11 May 2015	12:32	05/06/2015	19/06/2015	-	-	0.07	101.0	
957-54	Tuesday, 12 May 2015	12:31	05/06/2015	19/06/2015	-	-	0.11	103.5	
957-55	Thursday, 14 May 2015	12:38	05/06/2015	19/06/2015	-	-	0.09	91.5	
975-535	Thursday, 14 May 2015	12:40	05/06/2015	19/06/2015	-	-	0.07	105.5	
957-56	Saturday, 16 May 2015	12:33	05/06/2015	19/06/2015	-	-	0.10	91.5	
975-536	Saturday, 16 May 2015	12:37	05/06/2015	19/06/2015	-	-	0.07	97.5	
993-93	Sunday, 17 May 2015	12:36	05/06/2015	19/06/2015	-	-	0.07	88.0	
957-57	Tuesday, 19 May 2015	12:36	05/06/2015	19/06/2015	-	-	0.09	106.0	
975-537	Wednesday, 20 May 2015	12:35	05/06/2015	19/06/2015	-	-	0.08	91.5	
993-92	Wednesday, 20 May 2015	12:37	05/06/2015	19/06/2015	-	-	0.07	98.8	
966-59a	Friday, 22 May 2015	12:31	05/06/2015	19/06/2015	-	-	0.08	95.9	
957-58	Saturday, 23 May 2015	12:27	05/06/2015	19/06/2015	-	-	0.08	81.9	
957-59	Monday, 25 May 2015	12:39	05/06/2015	19/06/2015	-	-	0.10	81.9	
975-538	Wednesday, 27 May 2015	12:37	05/06/2015	19/06/2015	-	-	0.07	100.0	
984-89	Wednesday, 27 May 2015	12:39	05/06/2015	19/06/2015	-	-	0.08	94.0	
975-539	Friday, 29 May 2015	12:44	05/06/2015	19/06/2015	-	-	0.07	95.9	
984-90	Friday, 29 May 2015	12:49	05/06/2015	19/06/2015	-	-	0.10	81.9	
975-540	Saturday, 30 May 2015	12:33	05/06/2015	19/06/2015	-	-	0.07	98.8	
JUNE									
975-541	Monday, 1 June 2015	12:49:21	03/07/2015	16/07/2015	-	-	0.07	101.9	
984-91	Monday, 1 June 2015	12:52:15	03/07/2015	16/07/2015	-	-	0.10	97.5	
975-542	Thursday, 4 June 2015	12:39:24	03/07/2015	16/07/2015	-	-	0.09	95.9	
984-92	Friday, 5 June 2015	12:47:28	03/07/2015	16/07/2015	-	-	0.10	88.0	
984-97	Sunday, 7 June 2015	12:37:53	03/07/2015	16/07/2015	-	-	0.07	94.0	
957-60	Wednesday, 10 June 2015	12:35:14	03/07/2015	16/07/2015	-	-	0.14	91.5	
957-61	Friday, 12 June 2015	12:29:06	03/07/2015	16/07/2015	-	-	0.14	81.9	
984-93	Sunday, 21 June 2015	9:21:28	03/07/2015	16/07/2015	-	-	0.07	88.0	
984-94a	Monday, 22 June 2015	12:30:37	03/07/2015	16/07/2015	-	-	0.42	95.9	
984-94b-95	Sunday, 28 June 2015	12:34:54	03/07/2015	16/07/2015	-	-	0.11	91.5	
975-82	Tuesday, 30 June 2015	12:34:21	03/07/2015	16/07/2015	-	-	0.17	88.0	
JULY									
984-96	Saturday, 4 July 2015	12:45:36	14/08/2015	20/08/2015	-	-	0.11	94.0	
975-83	Monday, 6 July 2015	12:28:56	14/08/2015	20/08/2015	-	-	0.10	94.0	
957-62	Tuesday, 7 July 2015	12:39:18	14/08/2015	20/08/2015	-	-	0.26	112.0	
957-63	Friday, 10 July 2015	12:39:57	14/08/2015	20/08/2015	-	-	na	na	Unit offline
975-84	Sunday, 12 July 2015	12:41:05	14/08/2015	20/08/2015	-	-	na	na	Unit offline
975-85	Wednesday, 15 July 2015	12:29:10	14/08/2015	20/08/2015	-	-	na	na	Unit offline
957-64	Friday, 17 July 2015	12:39:23	14/08/2015	20/08/2015	-	-	na	na	Unit offline
975-86	Saturday, 18 July 2015	12:35:11	14/08/2015	20/08/2015	-	-	na	na	Unit offline
975-87	Monday, 20 July 2015	13:26:00	14/08/2015	20/08/2015	-	-	na	na	Unit offline
975-88	Wednesday, 22 July 2015	13:31:30	14/08/2015	20/08/2015	-	-	na	na	Unit offline
948-32	Saturday, 25 July 2015	12:30:56	14/08/2015	20/08/2015	-	-	na	na	Unit offline
957-533	Monday, 27 July 2015	12:44:28	14/08/2015	20/08/2015	-	-	na	na	Unit offline
957-532	Tuesday, 28 July 2015	12:31:09	14/08/2015	20/08/2015	-	-	na	na	Unit offline
975-89	Wednesday, 29 July 2015	12:38:53	14/08/2015	20/08/2015	-	-	na	na	Unit offline
966-59b	Friday, 31 July 2015	12:49:12	14/08/2015	20/08/2015	-	-	na	na	Unit offline
AUGUST									
975-91	Monday, 3 August 2015	12:52:52	07/09/2015	15/09/2015	-	-	na	na	Unit offline
966-72	Tuesday, 4 August 2015	12:40:26	07/09/2015	15/09/2015	-	-	na	na	Unit offline
957-531	Wednesday, 5 August 2015	12:38:30	07/09/2015	15/09/2015	-	-	na	na	Unit offline
975-90	Friday, 7 August 2015	15:43:02	07/09/2015	15/09/2015	-	-	0.24	91.5	
966-73	Sunday, 9 August 2015	12:28:15	07/09/2015	15/09/2015	-	-	0.22	88.0	
957-530	Monday, 10 August 2015	12:30:43	07/09/2015	15/09/2015	-	-	0.21	108.4	
966-71a	Tuesday, 11 August 2015	12:34:16	07/09/2015	15/09/2015	-	-	0.18	91.5	
957-529	Wednesday, 12 August 2015	12:31:19	07/09/2015	15/09/2015	-	-	0.21	108.0	
957-528	Thursday, 13 August 2015	12:31:59	07/09/2015	15/09/2015	-	-	0.14	98.8	
966-71b	Saturday, 15 August 2015	12:32:37	07/09/2015	15/09/2015	-	-	0.16	94.0	
966-85	Tuesday, 18 August 2015	12:35:43	07/09/2015	15/09/2015	-	-	0.08	94.0	
966-70	Wednesday, 19 August 2015	12:38:26	07/09/2015	15/09/2015	-	-	0.11	94.0	
966-77	Thursday, 20 August 2015	12:31:04	07/09/2015	15/09/2015	-	-	0.11	88.0	
957-527	Saturday, 22 August 2015	12:30:34	07/09/2015	15/09/2015	-	-	0.11	101.9	
948-33	Monday, 24 August 2015	12:31:20	07/09/2015	15/09/2015	-	-	0.16	97.5	
957-76	Wednesday, 26 August 2015	12:35:11	07/09/2015	15/09/2015	-	-	0.14	88.0	
966-69a	Wednesday, 26 August 2015	12:37:22	07/09/2015	15/09/2015	-	-	0.16	94.0	
957-75	Sunday, 30 August 2015	12:34:41	07/09/2015	15/09/2015	-	-	0.17	91.5	
SEPTEMBER									
966-84	Wednesday, 2 September 2015	15:13:05	07/10/2015	21/10/2015	-	-	0.10	101.0	
957-65	Friday, 4 September 2015	12:31:47	07/10/2015	21/10/2015	-	-	0.10	88.0	
966-83	Saturday, 5 September 2015	12:29:16	07/10/2015	21/10/2015	-	-	0.12	88.0	
966-82	Sunday, 6 September 2015	12:38:17	07/10/2015	21/10/2015	-	-	0.09	91.5	
966-81	Tuesday, 8 September 2015	12:30:46	07/10/2015	21/10/2015	-	-	0.14	112.3	
939-535	Wednesday, 9 September 2015	12:26:04	07/10/2015	21/10/2015	-	-	0.09	95.9	
957-67	Friday, 11 September 2015	12:27:16	07/10/2015	21/10/2015	-	-	0.12	88.0	
939-536	Saturday, 12 September 2015	12:24:54	07/10/2015	21/10/2015	-	-	0.35	88.0	
957-66	Wednesday, 16 September 2015	12:34:37	07/10/2015	21/10/2015	-	-	0.14	91.5	
957-77	Thursday, 17 September 2015	12:26:37	07/10/2015	21/10/2015	-	-	0.15	100.0	
957-68	Monday, 21 September 2015	12:28:36	07/10/2015	21/10/2015	-	-	0.18	101.0	
939-537	Monday, 21 September 2015	12:33:06	07/10/2015	21/10/2015	-	-	0.15	94.0	
939-538	Tuesday, 22 September 2015	12:33:49	07/10/2015	21/10/2015	-	-	0.90	108.8	
957-87	Wednesday, 23 September 2015	14:58:13	07/10/2015	21/10/2015	-	-	0.13	95.9	
957-69a-70a	Sunday, 27 September 2015	12:29:16	07/10/2015	21/10/2015	-	-	0.22	88.0	
948-34	Monday, 28 September 2015	12:38:34	07/10/2015	21/10/2015	-	-	0.14	88.0	
939-533	Wednesday, 30 September 2015	12:29:41	07/10/2015	21/10/2015	-	-	0.09	95.9	
OCTOBER									
939-534	Thursday, 1 October 2015	12:42:00	12/11/2015	18/11/2015	-	-	0.23	94.0	
939-532	Friday, 2 October 2015	12:27:00	12/11/2015	18/11/2015	-	-	0.10	101.0	
948-35	Monday, 5 October 2015	12:30:00	12/11/2015	18/11/2015	-	-	0.25	98.8	
957-85	Wednesday, 7 October 2015	12:42:00	12/11/2015	18/11/2015	-	-	0.17	94.0	
957-69b-70b	Wednesday, 7 October 2015	12:44:00	12/11/2015	18/11/2015	-	-	0.11	91.5	
948-36	Monday, 12 October 2015	12:24:00	12/11/2015	18/11/2015	-	-	0.18	103.5	
939-531	Wednesday, 14 October 2015	12:25:00	12/11/2015	18/11/2015	-	-	0.11	98.8	
975-78	Friday, 16 October 2015	12:32:00	12/11/2015	18/11/2015	-	-	0.12	95.9	
948-37	Sunday, 18 October 2015	12:34:00	12/11/2015	18/11/2015	-	-	0.13	88.0	
957-84	Thursday, 22 October 2015	15:05:00	12/11/2015	18/11/2015	-	-	0.09	94.0	
948-38	Saturday, 24 October 2015	12:23:00	12/11/2015	18/11/2015	-	-	0.11	91.5	
957-83	Monday, 26 October 2015	12:35:00	12/11/2015	18/11/2015	-	-	0.09	97.5	
939-529	Tuesday, 27 October 2015	12:26:00	12/11/2015	18/11/2015	-	-	0.14	111.5	
948-41A	Friday, 30 October 2015	12:34:00	12/11/2015	18/11/2015	-	-	0.11	95.9	
NOVEMBER									
948-43	Monday, 2 November 2015	12:30	08/12/2015	18/12/2015	-	-	0.19	81.9	
948-42	Wednesday, 4 November 2015	12:25	08/12/2015	18/12/2015	-	-	0.12	81.9	
966-68b-69b	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	-	-	0.12	88.0	
957-526	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	-	-	0.12	88.0	
939-25	Sunday, 22 November 2015	12:26	08/12/2015	18/12/2015	-	-	0.10	91.5	
966-78	Monday, 23 November 2015	12:36	08/12/2015	18/12/2015	-	-	0.13	102.8	
939-26	Tuesday, 24 November 2015	12:31	08/12/2015	18/12/2015	-	-	0.09	81.9	
966-79	Wednesday, 25 November 2015	12:53	08/12/2015	18/12/2015	-	-	0.09	98.8	
966-80	Thursday, 26 November 2015	15:04	08/12/2015	18/12/2015	-	-	0.11	95.9	
939-27	Saturday, 28 November 2015	12:35	08/12/2015	18/12/2015	-	-	0.15	88.0	
DECEMBER									
957-71	Thursday, 3 December 2015	13:06	06/01/2016	20/01/2016	-	-	0.44	95.9	
957-74	Monday, 7 December 2015	12:40	06/01/2016	20/01/2016	-	-	0.14	109.5	
957-72	Wednesday, 9 December 2015	12:34	06/01/2016	20/01/2016	-	-	0.12	88.0	
957-69C	Friday, 11 December 2015	12:31	06/01/2016	20/01/2016	-	-	0.11	105.5	
948-58	Saturday, 12 December 2015	12:31	06/01/2016	20/01/2016	-	-	0.11	91.5	
948-59	Monday, 14 December 2015	12:28	06/01/2016	20/01/2016	-	-	0.09	95.9	
939-28	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	-	-	0.10	107.0	
948-60	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	-	-	0.10	107.0	
957-78	Thursday, 17 December 2015	12:32	06/01/2016	20/01/2016	-	-	0.10	95.9	
939-29	Saturday, 19 December 2015	12:23	06/01/2016	20/01/2016	-	-	0.09	88.0	
957-79	Saturday, 19 December 2015	12:25	06/01/2016	20/01/2016	-	-	0.10	88.0	
957-80	Monday, 21 December 2015	12:31	06/01/2016	20/01/2016	-	-	0.23	91.5	
948-61	Wednesday, 23 December 2015	12:30	06/01/2016	20/01/2016	-	-	0.18	98.8	
948-62	Saturday, 26 December 2015	14:57	06/01/2016	20/01/2016	-	-	0.13	106.0	
939-30	Saturday, 26 December 2015	15:08	06/01/2016	20/01/2016	-	-	0.12	107.5	
939-539	Sunday, 27 December 2015	12:29	06/01/2016	20/01/2016	-	-	0.19	103.5	
939-540	Tuesday, 29 December 2015	12:31	06/01/2016	20/01/2016	-	-	0.11	91.5	
948-44	Wednesday, 30 December 2015	12:41	06/01/2016	20/01/2016	-	-	0.13	94.0	
939-520	Thursday, 31 December 2015	12:32	06/01/2016	20/01/2016	-	-	0.10	98.8	

Blasting & Ground Vibration

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: BM06 <General Monitoring Site>
Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded in Lake Cowal to the north-east of ML1535 boundary

					Compliance Limits		BM06 at Blast Time		
Blast Number	**Day/Date**	**Time**	**Date Obtained**	**Date Published**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Ground Vibration (mm/s)**	**Airblast Overpressure (dB(L))**	**Comments**
JANUARY									
984-78	Thursday, 1 January 2015	12:30:41	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
984-71	Friday, 2 January 2015	12:29:32	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-53	Saturday, 3 January 2015	12:36:21	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
993-79	Sunday, 4 January 2015	12:39:02	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
984-79	Monday, 5 January 2015	12:41:48	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-54	Monday, 5 January 2015	13:28:49	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-55	Thursday, 8 January 2015	12:35:53	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
984-72	Saturday, 10 January 2015	12:30:26	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-49	Tuesday, 13 January 2015	12:28:18	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-534	Tuesday, 13 January 2015	12:46:35	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
984-73	Thursday, 15 January 2015	12:39:14	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-70	Friday, 16 January 2015	12:32:00	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-56	Saturday, 17 January 2015	12:32:11	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-71	Saturday, 17 January 2015	12:34:13	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-72	Sunday, 18 January 2015	12:25:41	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-73	Monday, 19 January 2015	12:29:25	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
984-80	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-57	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
984-81	Thursday, 22 January 2015	12:31:15	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-58	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
984-82	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-59	Monday, 26 January 2015	12:35:44	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-74	Thursday, 29 January 2015	12:33:01	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
975-60	Friday, 30 January 2015	12:24:04	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
957-518	Saturday, 31 January 2015	12:25:00	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
984-83	Saturday, 31 January 2015	12:26:58	09/02/2015	19/02/2015	-	-	-	-	Decommissioned
FEBRUARY									
984-74	Sunday, 1 February 2015	12:35:41	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
957-519	Monday, 2 February 2015	12:35:09	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
957-517	Wednesday, 4 February 2015	12:29:57	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
984-84	Friday, 6 February 2015	12:35:02	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
957-520	Friday, 6 February 2015	12:42:24	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
984-85	Sunday, 8 February 2015	12:36:43	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
957-521	Monday, 9 February 2015	12:28:06	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
975-61	Tuesday, 10 February 2015	12:40:09	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
984-86	Wednesday, 11 February 2015	13:05:23	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
1011-545	Thursday, 12 February 2015	12:31:41	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
975-62	Friday, 13 February 2015	12:31:36	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
1011-544	Saturday, 14 February 2015	12:35:32	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
966-49	Monday, 16 February 2015	12:23:08	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
984-87	Monday, 16 February 2015	12:25:11	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
966-50	Tuesday, 17 February 2015	12:29:00	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
975-75	Thursday, 19 February 2015	12:34:28	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
1020-106	Friday, 20 February 2015	12:47:00	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
975-76	Saturday, 21 February 2015	12:32:33	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
1020-107	Sunday, 22 February 2015	12:32:18	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
975-77	Monday, 23 February 2015	12:30:38	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
975-63-65	Tuesday, 24 February 2015	12:33:22	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
957-522a	Wednesday, 25 February 2015	12:27:17	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
975-64	Thursday, 26 February 2015	12:37:21	06/03/2015	19/03/2015	-	-	-	-	Decommissioned
1020-108	Friday, 27 February 2015	12:32:14	06/03/2015	19/03/2015	-	-	-	-	Decommissioned - monitoring no longer required at this location

Blasting & Ground Vibration

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: BM08 <Cowal North>
Blast monitoring, Airblast overpressure and ground vibration peak particle velocity recorded at private residence to the north, north east of ML1535 boundary

Blast Number	Day/Date	Time	Date Obtained	Date Published	Compliance Limits: Ground Vibration (mm/s)	Compliance Limits: Airblast Overpressure (dB(L))	BM08 at Blast Time: Ground Vibration (mm/s)	BM08 at Blast Time: Airblast Overpressure (dB(L))	Comments
JANUARY									
984-78	Thursday, 1 January 2015	12:30:41	09/02/2015	19/02/2015	1	**95**	0.03	**98.8**	Airblast overpressure exceedance was caused by localised environmental factors
984-71	Friday, 2 January 2015	12:29:32	09/02/2015	19/02/2015	5	115	0.06	91.5	
975-53	Saturday, 3 January 2015	12:36:21	09/02/2015	19/02/2015	5	115	0.03	100.0	
993-79	Sunday, 4 January 2015	12:39:02	09/02/2015	19/02/2015	1	**95**	0.03	**101.9**	Airblast overpressure exceedance was caused by localised environmental factors
984-79	Monday, 5 January 2015	12:41:48	09/02/2015	19/02/2015	5	115	0.01	94.0	
975-54	Monday, 5 January 2015	13:28:49	09/02/2015	19/02/2015	5	115	0.06	95.9	
975-55	Thursday, 8 January 2015	12:35:53	09/02/2015	19/02/2015	5	115	0.07	91.5	
984-72	Saturday, 10 January 2015	12:30:26	09/02/2015	19/02/2015	5	115	0.06	91.5	
975-49	Tuesday, 13 January 2015	12:28:18	09/02/2015	19/02/2015	5	115	0.02	101.9	
975-534	Tuesday, 13 January 2015	12:46:35	09/02/2015	19/02/2015	5	115	0.04	94.0	
984-73	Thursday, 15 January 2015	12:39:14	09/02/2015	19/02/2015	5	115	0.05	100.0	
975-70	Friday, 16 January 2015	12:32:00	09/02/2015	19/02/2015	5	115	0.03	94.0	
975-56	Saturday, 17 January 2015	12:32:11	09/02/2015	19/02/2015	5	115	0.09	101.9	
975-71	Saturday, 17 January 2015	12:34:13	09/02/2015	19/02/2015	5	115	0.03	91.5	
975-72	Sunday, 18 January 2015	12:25:41	09/02/2015	19/02/2015	1	**95**	0.05	**95.9**	Airblast overpressure exceedance was caused by localised environmental factors
975-73	Monday, 19 January 2015	12:29:25	09/02/2015	19/02/2015	5	115	0.01	95.9	
984-80	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	5	115	0.07	97.5	
975-57	Tuesday, 20 January 2015	12:43:47	09/02/2015	19/02/2015	5	115	0.07	97.5	
984-81	Thursday, 22 January 2015	12:31:15	09/02/2015	19/02/2015	5	115	0.04	88.0	
975-58	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	5	115	0.06	91.5	
984-82	Saturday, 24 January 2015	12:38:50	09/02/2015	19/02/2015	5	115	0.06	91.5	
975-59	Monday, 26 January 2015	12:35:44	09/02/2015	19/02/2015	1	95	0.01	88.0	
975-74	Thursday, 29 January 2015	12:33:01	09/02/2015	19/02/2015	5	115	0.06	100.0	
975-60	Friday, 30 January 2015	12:24:04	09/02/2015	19/02/2015	5	115	0.07	97.5	
957-518	Saturday, 31 January 2015	12:25:00	09/02/2015	19/02/2015	5	115	0.02	91.5	
984-83	Saturday, 31 January 2015	12:26:58	09/02/2015	19/02/2015	5	115	0.04	94.0	
FEBRUARY									
984-74	Sunday, 1 February 2015	12:35:41	06/03/2015	19/03/2015	1	95	0.03	88.0	
957-519	Monday, 2 February 2015	12:35:09	06/03/2015	19/03/2015	5	115	0.02	94.0	
957-517	Wednesday, 4 February 2015	12:29:57	06/03/2015	19/03/2015	5	115	0.04	91.5	
984-84	Friday, 6 February 2015	12:35:02	06/03/2015	19/03/2015	5	115	0.04	88.0	
957-520	Friday, 6 February 2015	12:42:24	06/03/2015	19/03/2015	5	115	0.06	97.5	
984-85	Sunday, 8 February 2015	12:36:43	06/03/2015	19/03/2015	1	95	0.01	91.5	
957-521	Monday, 9 February 2015	12:28:06	06/03/2015	19/03/2015	5	115	0.01	91.5	
975-61	Tuesday, 10 February 2015	12:40:09	06/03/2015	19/03/2015	5	115	0.05	103.5	
984-86	Wednesday, 11 February 2015	13:05:23	06/03/2015	19/03/2015	5	115	0.02	94.0	
1011-545	Thursday, 12 February 2015	12:31:41	06/03/2015	19/03/2015	5	115	0.03	88.0	
975-62	Friday, 13 February 2015	12:31:36	06/03/2015	19/03/2015	5	115	0.05	88.0	
1011-544	Saturday, 14 February 2015	12:35:32	06/03/2015	19/03/2015	5	115	0.02	94.0	
966-49	Monday, 16 February 2015	12:23:08	06/03/2015	19/03/2015	5	115	0.06	91.5	
984-87	Monday, 16 February 2015	12:25:11	06/03/2015	19/03/2015	5	115	0.03	88.0	
966-50	Tuesday, 17 February 2015	12:29:00	06/03/2015	19/03/2015	5	115	0.05	98.8	
975-75	Thursday, 19 February 2015	12:34:28	06/03/2015	19/03/2015	5	115	0.05	91.5	
1020-106	Friday, 20 February 2015	12:47:00	06/03/2015	19/03/2015	5	115	0.01	88.0	
975-76	Saturday, 21 February 2015	12:32:33	06/03/2015	19/03/2015	5	115	0.02	91.5	
1020-107	Sunday, 22 February 2015	12:32:18	06/03/2015	19/03/2015	1	95	0.01	88.0	
975-77	Monday, 23 February 2015	12:30:38	06/03/2015	19/03/2015	5	115	0.04	88.0	
975-63-65	Tuesday, 24 February 2015	12:33:22	06/03/2015	19/03/2015	5	115	0.07	88.0	
957-522a	Wednesday, 25 February 2015	12:27:17	06/03/2015	19/03/2015	5	115	0.02	97.5	
975-64	Thursday, 26 February 2015	12:37:21	06/03/2015	19/03/2015	5	115	0.08	91.5	
1020-108	Friday, 27 February 2015	12:32:14	06/03/2015	19/03/2015	5	115	0.03	91.5	
MARCH									
975-66	Sunday, 1 March 2015	12:35:36	09/04/2015	22/04/2015	1	**95**	0.13	**103.5**	Airblast overpressure exceedance was caused by localised environmental factors
1020-109	Sunday, 1 March 2015	12:37:39	09/04/2015	22/04/2015	1	**95**	0.09	**101.0**	Airblast overpressure exceedance was caused by localised environmental factors
1020-110	Monday, 2 March 2015	12:29:00	09/04/2015	22/04/2015	5	115	0.07	88.0	
966-55	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	5	115	0.10	94.0	
957-523a	Wednesday, 4 March 2015	12:32:50	09/04/2015	22/04/2015	5	115	0.10	94.0	
975-67	Thursday, 5 March 2015	12:32:19	09/04/2015	22/04/2015	5	115	0.07	104.9	
957-524	Friday, 6 March 2015	12:32:01	09/04/2015	22/04/2015	5	115	0.07	97.5	
1011-101	Saturday, 7 March 2015	12:35:35	09/04/2015	22/04/2015	5	115	0.03	94.0	
966-56	Monday, 9 March 2015	12:34:56	09/04/2015	22/04/2015	5	115	0.07	100.0	
1011-102	Tuesday, 10 March 2015	12:29:48	09/04/2015	22/04/2015	5	115	0.05	88.0	
975-79	Thursday, 12 March 2015	12:47:49	09/04/2015	22/04/2015	5	115	0.04	95.9	
966-53	Friday, 13 March 2015	12:37:04	09/04/2015	22/04/2015	5	115	0.08	88.0	
975-81	Saturday, 14 March 2015	12:35:02	09/04/2015	22/04/2015	5	115	0.05	91.5	
966-54	Sunday, 15 March 2015	12:27:26	09/04/2015	22/04/2015	1	95	0.07	94.0	
975-80	Monday, 16 March 2015	12:31:58	09/04/2015	22/04/2015	5	115	0.07	91.5	
966-60	Tuesday, 17 March 2015	12:42:31	09/04/2015	22/04/2015	5	115	0.03	102.8	
1011-103	Tuesday, 17 March 2015	12:45:07	09/04/2015	22/04/2015	5	115	0.02	95.9	
957-522b-523b	Wednesday, 18 March 2015	12:33:40	09/04/2015	22/04/2015	5	115	0.01	94.0	
966-58	Thursday, 19 March 2015	12:28:37	09/04/2015	22/04/2015	5	115	0.07	91.5	
1011-104	Thursday, 19 March 2015	12:48:49	09/04/2015	22/04/2015	5	115	0.03	88.0	
1011-105	Friday, 20 March 2015	12:38:05	09/04/2015	22/04/2015	5	115	0.12	105.5	
966-57	Sunday, 22 March 2015	12:40:26	09/04/2015	22/04/2015	1	95	0.09	91.5	
993-542	Tuesday, 24 March 2015	12:32:28	09/04/2015	22/04/2015	5	115	0.11	98.8	
966-51	Wednesday, 25 March 2015	12:34:37	09/04/2015	22/04/2015	5	115	0.02	91.5	
966-52	Thursday, 26 March 2015	12:33:30	09/04/2015	22/04/2015	5	115	0.09	98.8	
993-543	Friday, 27 March 2015	12:41:26	09/04/2015	22/04/2015	5	115	0.07	94.0	
993-544	Saturday, 28 March 2015	12:36:47	09/04/2015	22/04/2015	5	115	0.11	95.9	
966-61	Sunday, 29 March 2015	12:30:33	09/04/2015	22/04/2015	1	**95**	0.07	**95.9**	Airblast overpressure exceedance was caused by localised environmental factors
1002-90	Tuesday, 31 March 2015	12:35:49	09/04/2015	22/04/2015	5	115	0.09	91.5	
APRIL									
993-545	Wednesday, 1 April 2015	12:31	06/05/2015	20/05/2015	5	115	0.06	95.9	
993-546	Thursday, 2 April 2015	12:29	06/05/2015	20/05/2015	5	115	0.04	98.8	
1002-91	Friday, 3 April 2015	12:42	06/05/2015	20/05/2015	1	95	0.08	88.0	
966-74	Sunday, 5 April 2015	13:43	06/05/2015	20/05/2015	1	**95**	0.02	**98.8**	Airblast overpressure exceedance was caused by localised environmental factors
966-66	Monday, 6 April 2015	12:35	06/05/2015	20/05/2015	1	95	0.05	94.0	
966-75	Tuesday, 7 April 2015	12:14	06/05/2015	20/05/2015	5	115	0.03	94.0	
966-67	Thursday, 9 April 2015	12:30	06/05/2015	20/05/2015	5	115	0.10	88.0	
966-68a	Saturday, 11 April 2015	12:26	06/05/2015	20/05/2015	5	115	0.06	88.0	
957-49	Monday, 13 April 2015	12:26	06/05/2015	20/05/2015	5	115	0.07	88.0	
1002-92	Monday, 13 April 2015	12:28	06/05/2015	20/05/2015	5	115	0.02	91.5	
1002-93	Wednesday, 15 April 2015	12:33	06/05/2015	20/05/2015	5	115	0.02	95.9	
1002-94	Friday, 17 April 2015	12:31	06/05/2015	20/05/2015	5	115	0.05	91.5	
1002-95	Sunday, 19 April 2015	12:33	06/05/2015	20/05/2015	1	**95**	0.05	**106.5**	Airblast overpressure exceedance was caused by localised environmental factors
957-50	Monday, 20 April 2015	12:46	06/05/2015	20/05/2015	5	115	0.08	91.5	
966-62	Saturday, 25 April 2015	13:07	06/05/2015	20/05/2015	1	**95**	0.02	**101.0**	Airblast overpressure exceedance was caused by localised environmental factors
984-88	Sunday, 26 April 2015	12:27	06/05/2015	20/05/2015	1	95	0.02	94.0	
993-89	Monday, 27 April 2015	12:33	06/05/2015	20/05/2015	5	115	0.06	94.0	
966-63	Tuesday, 28 April 2015	12:32	06/05/2015	20/05/2015	5	115	0.02	88.0	
966-64	Wednesday, 29 April 2015	12:36	06/05/2015	20/05/2015	5	115	0.02	88.0	
993-90	Thursday, 30 April 2015	12:42	06/05/2015	20/05/2015	5	115	0.08	94.0	
MAY									
966-65	Saturday, 2 May 2015	12:40	05/06/2015	19/06/2015	5	115	0.03	91.5	
993-91	Sunday, 3 May 2015	12:29	05/06/2015	19/06/2015	1	**95**	0.04	**107.0**	Airblast overpressure exceedance was caused by localised environmental factors
957-51	Tuesday, 5 May 2015	12:28	05/06/2015	19/06/2015	5	115	0.08	111.5	
957-53	Thursday, 7 May 2015	12:29	05/06/2015	19/06/2015	5	115	0.07	106.5	
966-76	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.01	97.5	
957-52	Friday, 8 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.07	101.0	
993-95	Saturday, 9 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.06	102.8	
993-94	Monday, 11 May 2015	12:32	05/06/2015	19/06/2015	5	115	0.06	104.9	
957-54	Tuesday, 12 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.03	111.2	
957-55	Thursday, 14 May 2015	12:38	05/06/2015	19/06/2015	5	115	0.05	102.8	
975-535	Thursday, 14 May 2015	12:40	05/06/2015	19/06/2015	5	115	0.06	102.8	
957-56	Saturday, 16 May 2015	12:33	05/06/2015	19/06/2015	5	115	0.05	88.0	
975-536	Saturday, 16 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.07	91.5	
993-93	Sunday, 17 May 2015	12:36	05/06/2015	19/06/2015	1	95	0.03	88.0	
957-57	Tuesday, 19 May 2015	12:36	05/06/2015	19/06/2015	5	115	0.04	97.5	
975-537	Wednesday, 20 May 2015	12:35	05/06/2015	19/06/2015	5	115	0.06	91.5	
993-92	Wednesday, 20 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.01	94.0	
966-59a	Friday, 22 May 2015	12:31	05/06/2015	19/06/2015	5	115	0.02	98.8	
957-58	Saturday, 23 May 2015	12:27	05/06/2015	19/06/2015	5	115	0.05	88.0	
957-59	Monday, 25 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.05	88.0	
975-538	Wednesday, 27 May 2015	12:37	05/06/2015	19/06/2015	5	115	0.02	94.0	
984-89	Wednesday, 27 May 2015	12:39	05/06/2015	19/06/2015	5	115	0.08	91.5	
975-539	Friday, 29 May 2015	12:44	05/06/2015	19/06/2015	5	115	0.01	91.5	
984-90	Friday, 29 May 2015	12:49	05/06/2015	19/06/2015	5	115	0.06	88.0	
975-540	Saturday, 30 May 2015	12:33	05/06/2015	19/06/2015	5	115	0.03	91.5	
JUNE									
975-541	Monday, 1 June 2015	12:49:21	03/07/2015	16/07/2015	5	115	0.05	101.9	
984-91	Monday, 1 June 2015	12:52:15	03/07/2015	16/07/2015	5	115	0.05	97.5	
975-542	Thursday, 4 June 2015	12:39:24	03/07/2015	16/07/2015	5	115	0.32	91.5	
984-92	Friday, 5 June 2015	12:47:28	03/07/2015	16/07/2015	5	115	0.05	88.0	
984-97	Sunday, 7 June 2015	12:37:53	03/07/2015	16/07/2015	1	95	0.05	94.0	
957-60	Wednesday, 10 June 2015	12:35:14	03/07/2015	16/07/2015	5	115	0.05	88.0	
957-61	Friday, 12 June 2015	12:29:06	03/07/2015	16/07/2015	5	115	0.04	88.0	
984-93	Sunday, 21 June 2015	9:21:28	03/07/2015	16/07/2015	1	95	0.02	81.9	
984-94a	Monday, 22 June 2015	12:30:37	03/07/2015	16/07/2015	5	115	0.02	88.0	
984-94b-95	Sunday, 28 June 2015	12:34:54	03/07/2015	16/07/2015	1	95	0.04	88.0	
975-82	Tuesday, 30 June 2015	12:34:21	03/07/2015	16/07/2015	5	115	0.03	88.0	
JULY									
984-96	Saturday, 4 July 2015	12:45:36	14/08/2015	20/08/2015	5	115	0.07	91.5	
975-83	Monday, 6 July 2015	12:28:56	14/08/2015	20/08/2015	5	115	0.06	98.8	
957-62	Tuesday, 7 July 2015	12:39:18	14/08/2015	20/08/2015	5	115	0.04	88.0	
957-63	Friday, 10 July 2015	12:39:57	14/08/2015	20/08/2015	5	115	0.30	95.9	
975-84	Sunday, 12 July 2015	12:41:05	14/08/2015	20/08/2015	1	**95**	0.06	**116.3**	Airblast overpressure exceedance was caused by localised environmental factors
975-85	Wednesday, 15 July 2015	12:29:10	14/08/2015	20/08/2015	5	115	0.09	88.0	
957-64	Friday, 17 July 2015	12:39:23	14/08/2015	20/08/2015	5	115	0.05	111.8	
975-86	Saturday, 18 July 2015	12:35:11	14/08/2015	20/08/2015	5	115	0.09	88.0	
975-87	Monday, 20 July 2015	13:26:00	14/08/2015	20/08/2015	5	115	0.02	91.5	
975-88	Wednesday, 22 July 2015	13:31:30	14/08/2015	20/08/2015	5	115	0.03	88.0	
948-32	Saturday, 25 July 2015	12:30:56	14/08/2015	20/08/2015	5	115	0.11	100.0	
957-533	Monday, 27 July 2015	12:44:28	14/08/2015	20/08/2015	5	115	0.05	106.5	
957-532	Tuesday, 28 July 2015	12:31:09	14/08/2015	20/08/2015	5	115	0.04	107.5	
975-89	Wednesday, 29 July 2015	12:38:53	14/08/2015	20/08/2015	5	115	0.04	97.5	
966-59b	Friday, 31 July 2015	12:49:12	14/08/2015	20/08/2015	5	115	0.04	88.0	
AUGUST									
975-91	Monday, 3 August 2015	12:52:52	07/09/2015	15/09/2015	5	115	0.16	100.0	
966-72	Tuesday, 4 August 2015	12:40:26	07/09/2015	15/09/2015	5	115	0.04	98.8	
957-531	Wednesday, 5 August 2015	12:38:30	07/09/2015	15/09/2015	5	115	0.05	107.5	
975-90	Friday, 7 August 2015	15:43:02	07/09/2015	15/09/2015	5	115	0.07	88.0	
966-73	Sunday, 9 August 2015	12:28:15	07/09/2015	15/09/2015	1	95	0.03	81.9	
957-530	Monday, 10 August 2015	12:30:43	07/09/2015	15/09/2015	5	115	0.02	100.0	
966-71a	Tuesday, 11 August 2015	12:34:16	07/09/2015	15/09/2015	5	115	0.05	94.0	
957-529	Wednesday, 12 August 2015	12:31:19	07/09/2015	15/09/2015	5	115	0.04	104.9	
957-528	Thursday, 13 August 2015	12:31:59	07/09/2015	15/09/2015	5	115	0.04	95.9	
966-71b	Saturday, 15 August 2015	12:32:37	07/09/2015	15/09/2015	5	115	0.04	91.5	
966-85	Tuesday, 18 August 2015	12:35:43	07/09/2015	15/09/2015	5	115	0.02	88.0	
966-70	Wednesday, 19 August 2015	12:38:26	07/09/2015	15/09/2015	5	115	0.08	88.0	
966-77	Thursday, 20 August 2015	12:31:04	07/09/2015	15/09/2015	5	115	0.04	91.5	
957-527	Saturday, 22 August 2015	12:30:34	07/09/2015	15/09/2015	5	115	0.11	98.8	
948-33	Monday, 24 August 2015	12:31:20	07/09/2015	15/09/2015	5	115	0.14	88.0	
957-76	Wednesday, 26 August 2015	12:35:11	07/09/2015	15/09/2015	5	115	0.07	94.0	
966-69a	Wednesday, 26 August 2015	12:37:22	07/09/2015	15/09/2015	5	115	0.12	98.8	
957-75	Sunday, 30 August 2015	12:34:41	07/09/2015	15/09/2015	1	95	0.11	94.0	
SEPTEMBER									
966-84	Wednesday, 2 September 2015	15:13:05	07/10/2015	21/10/2015	5	115	0.02	97.5	
957-65	Friday, 4 September 2015	12:31:47	07/10/2015	21/10/2015	5	115	0.06	88.0	
966-83	Saturday, 5 September 2015	12:29:16	07/10/2015	21/10/2015	5	115	0.03	88.0	
966-82	Sunday, 6 September 2015	12:38:17	07/10/2015	21/10/2015	1	95	0.03	91.5	
966-81	Tuesday, 8 September 2015	12:30:46	07/10/2015	21/10/2015	5	115	0.12	101.9	
939-535	Wednesday, 9 September 2015	12:26:04	07/10/2015	21/10/2015	5	115	0.02	98.8	
957-67	Friday, 11 September 2015	12:27:16	07/10/2015	21/10/2015	5	115	0.06	88.0	
939-536	Saturday, 12 September 2015	12:24:54	07/10/2015	21/10/2015	5	115	0.08	91.5	
957-66	Wednesday, 16 September 2015	12:34:37	07/10/2015	21/10/2015	5	115	0.04	88.0	
957-77	Thursday, 17 September 2015	12:26:37	07/10/2015	21/10/2015	5	115	0.04	91.5	
957-68	Monday, 21 September 2015	12:28:36	07/10/2015	21/10/2015	5	115	0.04	97.5	
939-537	Monday, 21 September 2015	12:33:06	07/10/2015	21/10/2015	5	115	0.03	94.0	
939-538	Tuesday, 22 September 2015	12:33:49	07/10/2015	21/10/2015	5	115	0.05	101.9	
957-87	Wednesday, 23 September 2015	14:58:13	07/10/2015	21/10/2015	5	115	0.01	102.8	
957-69a-70a	Sunday, 27 September 2015	12:29:16	07/10/2015	21/10/2015	1	95	0.05	88.0	
948-34	Monday, 28 September 2015	12:38:34	07/10/2015	21/10/2015	5	115	0.06	88.0	
939-533	Wednesday, 30 September 2015	12:29:41	07/10/2015	21/10/2015	5	115	0.02	95.9	
OCTOBER									
939-534	Thursday, 1 October 2015	12:42:00	12/11/2015	18/11/2015	5	115	0.02	88.0	
939-532	Friday, 2 October 2015	12:27:00	12/11/2015	18/11/2015	5	115	0.02	88.0	
948-35	Monday, 5 October 2015	12:30:00	12/11/2015	18/11/2015	1	**95**	0.08	**97.5**	Airblast overpressure exceedance was caused by localised environmental factors
957-85	Wednesday, 7 October 2015	12:42:00	12/11/2015	18/11/2015	5	115	na	na	Unit offline
957-69b-70b	Wednesday, 7 October 2015	12:44:00	12/11/2015	18/11/2015	5	115	na	na	Unit offline
948-36	Monday, 12 October 2015	12:24:00	12/11/2015	18/11/2015	5	115	na	na	Unit offline
939-531	Wednesday, 14 October 2015	12:25:00	12/11/2015	18/11/2015	5	115	0.02	91.5	
975-78	Friday, 16 October 2015	12:32:00	12/11/2015	18/11/2015	5	115	0.04	95.9	
948-37	Sunday, 18 October 2015	12:34:00	12/11/2015	18/11/2015	1	95	0.05	88.0	
957-84	Thursday, 22 October 2015	15:05:00	12/11/2015	18/11/2015	5	115	0.02	101.0	
948-38	Saturday, 24 October 2015	12:23:00	12/11/2015	18/11/2015	5	115	0.04	98.8	
957-83	Monday, 26 October 2015	12:35:00	12/11/2015	18/11/2015	5	115	na	na	Unit offline
939-529	Tuesday, 27 October 2015	12:26:00	12/11/2015	18/11/2015	5	115	na	na	Unit offline
948-41A	Friday, 30 October 2015	12:34:00	12/11/2015	18/11/2015	5	115	0.05	101.0	
NOVEMBER									
948-43	Monday, 2 November 2015	12:30	08/12/2015	18/12/2015	5	115	0.07	91.5	
948-42	Wednesday, 4 November 2015	12:25	08/12/2015	18/12/2015	5	115	0.04	88.0	
966-68b-69b	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	5	115	na	na	Unit offline
957-526	Thursday, 19 November 2015	12:37	08/12/2015	18/12/2015	5	115	na	na	Unit offline
939-25	Sunday, 22 November 2015	12:26	08/12/2015	18/12/2015	1	95	0.04	88.0	
966-78	Monday, 23 November 2015	12:36	08/12/2015	18/12/2015	5	115	0.04	88.0	
939-26	Tuesday, 24 November 2015	12:31	08/12/2015	18/12/2015	5	115	0.06	88.0	
966-79	Wednesday, 25 November 2015	12:53	08/12/2015	18/12/2015	5	115	0.03	88.0	
966-80	Thursday, 26 November 2015	15:04	08/12/2015	18/12/2015	5	115	0.06	102.8	
939-27	Saturday, 28 November 2015	12:35	08/12/2015	18/12/2015	5	115	0.08	88.0	
DECEMBER									
957-71	Thursday, 3 December 2015	13:06	06/01/2016	20/01/2016	5	115	0.09	94.0	
957-74	Monday, 7 December 2015	12:40	06/01/2016	20/01/2016	5	115	0.08	100.0	
957-72	Wednesday, 9 December 2015	12:34	06/01/2016	20/01/2016	5	115	0.07	95.9	
957-69C	Friday, 11 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.09	105.5	
948-58	Saturday, 12 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.02	91.5	
948-59	Monday, 14 December 2015	12:28	06/01/2016	20/01/2016	5	115	0.03	97.5	
939-28	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	5	115	0.07	101.0	
948-60	Wednesday, 16 December 2015	15:10	06/01/2016	20/01/2016	5	115	0.07	101.0	
957-78	Thursday, 17 December 2015	12:32	06/01/2016	20/01/2016	5	115	0.03	91.5	
939-29	Saturday, 19 December 2015	12:23	06/01/2016	20/01/2016	5	115	0.04	101.9	
957-79	Saturday, 19 December 2015	12:25	06/01/2016	20/01/2016	5	115	0.04	100.0	
957-80	Monday, 21 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.04	91.5	
948-61	Wednesday, 23 December 2015	12:30	06/01/2016	20/01/2016	5	115	0.02	95.9	
948-62	Saturday, 26 December 2015	14:57	06/01/2016	20/01/2016	1	95	0.04	94.0	
939-30	Saturday, 26 December 2015	15:08	06/01/2016	20/01/2016	1	**95**	0.06	**104.9**	Airblast overpressure exceedance was caused by localised environmental factors
939-539	Sunday, 27 December 2015	12:29	06/01/2016	20/01/2016	1	**95**	0.10	**102.8**	Airblast overpressure exceedance was caused by localised environmental factors
939-540	Tuesday, 29 December 2015	12:31	06/01/2016	20/01/2016	5	115	0.07	94.0	
948-44	Wednesday, 30 December 2015	12:41	06/01/2016	20/01/2016	5	115	0.02	91.5	
939-520	Thursday, 31 December 2015	12:32	06/01/2016	20/01/2016	5	115	0.02	94.0	

Cyanide

EPL No: 11912 http://www.environment.nsw.gov.au/prpoeoapp/
Licensee: Evolution Mining (Cowal) Pty Limited
Address: PO Box 210 West Wyalong NSW 2671

Monitoring Point: 48
Water quality monitoring, automated sampler located at the processing plant

			Total Cyanide (mg/L)				
Frequency	**Month**	**No Sampled during Month**	**Minimum**	**Mean**	**Median**	**Maximum**	**Comments**
Weekly	January	4	8.78	13.63	13.20	19.35	
Weekly	February	4	3.17	12.45	12.13	22.37	
Weekly	March	5	4.33	6.66	7.13	9.60	
Weekly	April	4	6.82	13.17	13.00	19.87	
Weekly	May	5	10.24	14.92	15.13	19.42	
Weekly	June	4	18.41	20.63	20.02	24.06	
Weekly	July	4	2.54	3.49	3.41	4.60	
Weekly	August	5	11.88	16.29	17.80	19.33	
Weekly	September	4	19.36	21.92	22.16	23.98	
Weekly	October	4	4.28	10.28	8.87	19.09	
Weekly	November	5	5.67	14.10	11.06	31.52	
Weekly	December	4	7.45	17.35	17.64	26.66	

			WAD Cyanide (mg/L)		Concentration Limits		
Frequency	**Month**	**No Sampled during Month**	**Minimum**	**Maximum**	**90th Percentile**	**100th Percentile**	**Comments**
Twice daily	January	60	0.6	20.3	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 19/1/1 (afternoon). 20/01/15 (morning)
Twice daily	February	48	1.3	10.9	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 17/02/15 (morning & afternoon), 18/02/15 (morning & afternoon), 19/02/15 (morning & afternoon), 20/02/15 (morning & afternoon)
Twice daily	March	61	0.0	14.9	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 19/03/15 (morning)
Twice daily	April	58	0.6	10.6	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 14/04/15 (afternoon) & 15/04/15 (morning)
Twice daily	May	55	0.0	25.0	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 11/05/15 (afternoon), 12/05/15 (morning & afternoon), 13/05/15 (morning & afternoon), 14/05/15 (morning & afternoon)
Twice daily	June	59	1.1	9.5	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 16/06/15 (morning)
Twice daily	July	60	0.9	12.2	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 21/07/15 (afternoon) & 22/07/15 (morning)
Twice daily	August	62	0.7	13.2	20ppm	30ppm	
Twice daily	September	57	1.0	11.7	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 29/09/15 (morning), 29/09/15 (afternoon) & 30/09/15 (morning)
Twice daily	October	51	0.8	12.6	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 19/10/15 (afternoon), 20/10/15 (morning & afternoon), 21/10/15 (morning & afternoon), 22/10/15 (morning & afternoon), 23/10/15 (morning & afternoon), 24/10/15 (morning & afternoon)
Twice daily	November	56	0.3	9.6	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 23/11/15 (afternoon), 24/11/15 (morning & afternoon), 25/11/15 (morning)
Twice daily	December	61	1.6	13.1	20ppm	30ppm	On the following dates, samples were not collected due to mill shutdown: 15/12/15 (morning)

EPL Exceedances

Monitoring Point: 6 <HV1>
Dust monitoring, High volume sampler located on private property to the north of ML1535 boundary

Frequency	Date Sampled	Date Obtained	Date Published	Total Suspended Particles (µg/m^3)	EPL Condition	Comments
Every 6 days	8/04/2015. 14/04/2015, 20/04/2015	-	16/07/2015	-	*M2.1 For each monitoring/discharge point……. The licensee must monitor (by sampling and obtaiing results by analysis) the concentration of each pollutant specified. The licensee must use the sampling method, units of measure, and sample at the frequency specified.*	No samples were collected on the 08/04/2015, 14/04/2015 and 20/04/2015.The high volume dust sampler was out of service between the 8/04/2015 to 22/04/2015 due to a malfunction and subsequent repairs. A sample was collected on the 22/04/2015 following the repair and recommissioning of the high volume sampler.