

AuS-10 Rhyolite - Licence number 12323

Dam 1- EPL Point 1

Licence Discharge Point 1

Guidance range

6.5 - 8.5

<1500us/cm

<30 mg/l

20

10 mg/l

Month	Number of Samples	PH	electrical Cond	turbidity	total dissolved solids	total suspend Solids	oxygen dem	oil/grease	Volume Discharged - KL	Comment
Jul-2013	0								Nil Discharge	
Aug-2013	0								Nil Discharge	
Sep-2013	0								Nil Discharge	
Oct-2013	0								Nil Discharge	
14.11.2013	1	7.45	280	388		190			Nil Discharge	Metal test
Dec-2013	0								Nil Discharge	
Jan-2014	0								Nil Discharge	
Feb-2014	0								Nil Discharge	
Mar-2014	0								Nil Discharge	
Apr-2014	0								Nil Discharge	
May-2014	0								Nil Discharge	
Jun-2014	0								Nil Discharge	
Total		7.45	280	388	0	190	0	0		
Mean		7.45	280.00	388.00	#DIV/0!	190.00	#DIV/0!	#DIV/0!		
Lowest		7.45	280.00	388.00	0.00	190.00	0.00	0.00		
Highest		7.45	280.00	388.00	0.00	190.00	0.00	0.00		

EPL POINT 2 -

Month	Number of Samples	PH	electrical Cond	turbidity	total dissolved solids	total suspend Solids	oxygen dem	oil/grease	Volume Discharged - KL
18.07.13	1	7.45	314	5	180	6	3	<5	Nil Discharge
19.08.13	1	7.83	360	4	224	11	<2	<5	Nil Discharge
16.09.13	1	7.49	335	3	106	<5	<2	<5	Nil Discharge
14.10.13	1	7.13	401	3	188	<5	<2	<5	Nil Discharge
14.11.13	1	6.9	260	6	174	6	<2	<5	Nil Discharge
11.12.13	1	7.97	374	4	218	8	<2	<5	Nil Discharge
09.01.2014	1	8.23	463	3	288	<5	<2	<5	Nil Discharge
11.02.2014	1	7.43	454	166	240	<5	<2	<5	Nil Discharge
11.03.2014	1	7.71	358	6	274	<5	<2	<5	Nil Discharge
10.04.2014	1	8.17	376	3	288	<5	4	<5	Nil Discharge
13.05.2014	1	7.78	454	2	348	<5	<2	<5	Nil Discharge
11.06.2014	1	7.86	355	2	258	<10	<2	<5	Nil Discharge
Total		91.95	4504	207	2786	31	7	0	
Mean		7.66	375.33	17.25	232.17	7.75	3.50	#DIV/0!	
Lowest		6.90	260.00	2.00	106.00	6.00	3.00	0.00	
Highest		8.23	463.00	166.00	348.00	11.00	4.00	0.00	

EPL Point 3

COXS RIVER LOWER CROSSING 6/7/2011

Month	Number of Samples	PH	electrical Cond	turbidity	total dissolved solids	total suspend Solids	oxygen dem	oil/grease	Volume Discharged - KL
18.07.13	1	7.29	313	5	182	12	<2	<5	Nil Discharge
19.08.13	1	7.83	357	3	202	5	<2	<5	Nil Discharge

16.09.13	1	7.56	334	3	148	<5	5	<5	Nil Discharge
14.10.13	1	7.15	396	3	248	<5	<2	<5	Nil Discharge
14.11.13	1	6.96	258	172	5	8	<2	<5	Nil Discharge
11.12.13	1	8.17	377	2	222	<5	4	<5	Nil Discharge
09.01.2014	1	8.22	463	4	298	<5	<2	<5	Nil Discharge
11.02.2014	1	7.58	438	5	278	<5	<2	<5	Nil Discharge
19.02.2014	1	7.59	361	3	278	<5	4	<5	Nil Discharge
11.03.2014	1	7.97	381	6	288	<5	<2	<5	Nil Discharge
10.04.2014	1	8.1	367	5	266	<5	3	<5	Nil Discharge
13.05.2014	1	7.89	437	2	320	<5	<2	<5	Nil Discharge
11.06.2014	1	7.74	356	2	268	<10	<2	<5	Nil Discharge
Mean		7.69	373.50	17.75	227.92	8.33	4.00	#DIV/0!	
Lowest		6.96	258.00	2.00	5.00	5.00	3.00	0.00	
Highest		8.22	463.00	172.00	320.00	12.00	5.00	0.00	

Dust Monitoring

EPL Point 4

Month	Number of Samples	Sawmill	Insoluble Solids	Combustible Matter	Ash
18.07.13	continuous	Sawmill	0.4	0.4	ND
Aug-2013	continuous	Sawmill	0.4	0.2	0.2
Sep-2013	continuous	Sawmill	0.6	0.3	0.3
Oct-2013	continuous	Sawmill	1.1	0.3	0.8
Nov-2013	continuous	Sawmill	1.6	0.8	0.8
Dec-2013	continuous	Sawmill	0.7	0.4	0.3
Jan-2014	continuous	Sawmill	0.8	0.5	0.3
Feb-2014	continuous	Sawmill	0.4	0.2	0.2
Mar-2014	continuous	Sawmill	ND	ND	ND
Apr-2014	continuous	Sawmill	1.4	0.4	1
May-2014	continuous	Sawmill	0.4	0.2	0.2
Jun-2014	continuous	Sawmill	ND	ND	ND
			7.8	3.7	4.1
	Mean		0.78	0.37	0.46
	Lowest		0.4	0.2	0.2
	Highest		1.6	0.8	1

ND - Not Detected

EPL Point 5

Month	Number of Samples	Baners Lane	Insoluble Solids	Combustible Matter	Ash
18.07.13	continuous	Baners Lane	ND	ND	ND
Aug-2013	continuous	Baners Lane	0.4	0.1	0.3
Sep-2013	continuous	Baners Lane	0.2	0.2	ND
Oct-2013	continuous	Baners Lane	0.8	0.4	0.4
Nov-2013	continuous	Baners Lane	1	0.4	0.6
Dec-2013	continuous	Baners Lane	1.1	0.7	0.4
Jan-2014	continuous	Baners Lane	1.2	0.3	0.9
Feb-2014	continuous	Baners Lane	0.2	0.2	ND
Mar-2014	continuous	Baners Lane	1	0.4	0.6
Apr-2014	continuous	Baners Lane	0.8	0.4	0.4
May-2014	continuous	Baners Lane	0.4	0.3	0.1

Jun-2014	continuous	Baners Lane	0.8	0.6	0.2
			7.9	4	3.9
		Mean	0.72	0.36	0.43
		Lowest	0.2	0.1	0.1
		Highest	1.2	0.7	0.9

EPL Point 6

Month	Number of Samples	Bald Hill	Insoluble Solids	Combustible Matter	Ash
18.07.13	continuous	Bald Hill	NS	NS	ND
Aug-2013	continuous	Bald Hill	1.1	0.6	0.5
Sep-2013	continuous	Bald Hill	0.2	0.2	ND
Oct-2013	continuous	Bald Hill	ND	ND	ND
Nov-2013	continuous	Bald Hill	0.2	0.1	0.1
Dec-2013	continuous	Bald Hill	0.1	0.1	ND
Jan-2014	continuous	Bald Hill	1	0.6	0.4
Feb-2014	continuous	Bald Hill	ND	ND	ND
Mar-2014	continuous	Bald Hill	0.9	0.9	ND
Apr-2014	continuous	Bald Hill	0.3	0.3	ND
May-2014	continuous	Bald Hill	0.5	0.3	0.2
Jun-2014	continuous	Bald Hill	2	1.7	0.3
			6.3	4.8	1.5
		Mean	0.70	0.53	0.30
		Lowest	0.1	0.1	0.1
		Highest	2	1.7	0.5

EPL POINT 8

Month	Number of Samples	PH	conductance	turbidity	total dissolved solids	total suspend Solids	oxygen dem	oil/grease	Volume Discharged - KL
Jul-2013	0								Nil Discharge
Aug-2013	0								Nil Discharge
Sep-2013	0								Nil Discharge
Oct-2013	0								Nil Discharge
14.11.2013	1	8.22	857	127		31			Nil Discharge Metal test
Dec-2013	0								Nil Discharge
Jan-2014	0								Nil Discharge
Feb-2014	0								Nil Discharge
Mar-2014	0								Nil Discharge
Apr-2014	0								Nil Discharge
May-2014	0								Nil Discharge
Jun-2014	0								Nil Discharge
		8.22	857	127	0	31	0	0	
		8.22	857	127	0	31	0	0	
	Mean	8.22	857.00	127.00	0.00	31.00	0.00	0.00	
	Lowest	8.22	857.00	127.00	0.00	31.00	0.00	0.00	
	Highest	8.22	857.00	127.00	0.00	31.00	0.00	0.00	

Sep-2013	0								Nil Discharge	
Oct-2013	0								Nil Discharge	
14.11.2013	1	8.11	830	74		36			Nil Discharge	Metal test
Dec-2013	0								Nil Discharge	
Jan-2014	0								Nil Discharge	
Feb-2014	0								Nil Discharge	
Mar-2014	0								Nil Discharge	
Apr-2014	0								Nil Discharge	
May-2014	0								Nil Discharge	
Jun-2014	0								Nil Discharge	
		8.11	830	74	0	36	0	0		

Mean	8.11	830.00	74.00	0.00	36.00	0.00	0.00
Lowest	8.11	830.00	74.00	0.00	36.00	0.00	0.00
Highest	8.11	830.00	74.00	0.00	36.00	0.00	0.00
Highest	8.11	830.00	74.00	0.00	36.00	0.00	0.00

Austen Quarry - Hartley

Blasting	Frequency	Date	Blast Number	Limits	Units of measure	Results	Monitor Location Hartley Village
Ground Vibration	Per Blast	20.04.12	29	5 - trigger point <2.00	mm/s	Nil Trigger	√
Overpressure	Per Blast	20.04.12	29	115 - Trigger point 101	dB	Nil Trigger	√
Ground Vibration	Per Blast	17.05.12	30	5 - trigger point <0.5	mm/s	Nil Trigger	√
Overpressure	Per Blast	17.05.12	30	115 - Trigger point 101	dB	Nil Trigger	√
Ground Vibration	Per Blast	06.06.12	31	5 - trigger point <1.5	mm/s	Nil Trigger	√
Overpressure	Per Blast	06.06.12	31	115 - Trigger point 101	dB	Nil Trigger	√
Ground Vibration	Per Blast	07.06.12	32	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	07.06.12	32	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	18.07.12	33	5 - trigger point <0.5	mm/s	Nil Trigger	√
Overpressure	Per Blast	18.07.12	33	115 - Trigger point 110.6	dB	Nil Trigger	√
Ground Vibration	Per Blast	30.07.12	34	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	30.07.12	34	115 - Trigger point 90	dB	Nil Trigger	√
Ground Vibration	Per Blast	16.08.12	35	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	16.08.12	35	115 - Trigger point 90	dB	Nil Trigger	√
Ground Vibration	Per Blast	18.09.12	36	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	18.09.12	36	115 - Trigger point 98	dB	Nil Trigger	√
Ground Vibration	Per Blast	17.10.12	37	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	17.10.12	37	115 - Trigger point 105	dB	Nil Trigger	√
Ground Vibration	Per Blast	25.10.12	38	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	25.10.12	38	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	05.11.12	39	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	05.11.12	39	115 - Trigger point 105	dB	Nil Trigger	√
Ground Vibration	Per Blast	06.12.12	40	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	06.12.12	40	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	19.12.12	41	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	19.12.12	41	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	13.02.13	42	5 - trigger point <0.51	mm/s	Nil Trigger	√

Overpressure	Per Blast	13.02.13	42	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	21.02.13	42A	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	21.02.13	42A	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	25.03.13	43	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	25.03.13	43	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	16.04.13	44	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	16.04.13	44	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	23.05.13	45	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	23.05.13	45	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	03.06.13	46	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	03.16.13	46	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	09.07.13	47	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	09.07.13	47	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	01.08.13	48	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	01.08.13	48	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	01.08.13	49	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	01.08.13	49	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	23.08.13	50	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	23.08.13	50	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	22.08.13	51	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	22.08.13	51	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	22.08.13	52	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	22.08.13	52	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	02.09.13	53	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	02.09.13	53	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	14.10.13	54	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	14.10.13	54	115 - Trigger point 105	dB	Nil Trigger	√
Ground Vibration	Per Blast	07.11.13	55	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	07.11.13	55	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	25.11.13	56	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	25.11.13	56	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	07.11.13	57	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	07.11.13	57	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	25.11.13	58	5 - trigger point <0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	25.11.13	58	115 - Trigger point 100	dB	Nil Trigger	√
Ground Vibration	Per Blast	05.12.13	59	5 - trigger point >0.51	mm/s	Nil Trigger	√
Overpressure	Per Blast	05.12.13	59	115 - Trigger point >100	dB	Nil Trigger	√

Grant's Head Quarry - Licence Number 4040

EPL Point 1	Aluminium	Arsenic	Cadmium	Chromium	Conductivity µS/cm	Copper	Lead	Mercury	Nickel	Nitrate	Oil and Grease	pH (wet) Range 5.3 to 7.0	
Month	Number of Samples												
25.06.13	1	0.13	<0.001	<0.001	<0.001	263	0.109	<0.001	<0.00001	0.003	2.18	<5	5.8
Jul-2013	0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
13.08.13	1	0.17	<0.001	<0.001	<0.001	305	0.13	<0.001	<0.00001	0.003	2.33	<5	5.6
04.09.13	1	0.18	<0.001	<0.001	0.001	324	0.131	<0.001	<0.00001	0.003	2.12	<5	6
05.09.13	1	0.17	<0.001	<0.001	0.001	336	0.127	<0.001	<0.00001	0.003	2.11	<5	6.9
18.09.13	1	0.18	<0.001	<0.001	<0.001	345	0.11	<0.001	<0.00001	0.003	2.08	<5	6.7
13.11.13	1	0.27	<0.001	<0.001	<0.002	337	0.117	<0.001	<0.00001	0.003	2.38	<5	7.1
29.11.2013	1	0.28	<0.001	<0.001	0.002	314	0.075	<0.001	<0.00001	0.003	1.71	<5	6.9
15.01.2014	1	0.14	<0.001	<0.001	0.002	324	0.058	<0.001	<0.00001	0.004	1.32	<5	5.7
28.01.2014	1	0.09	<0.001	<0.001	<0.001	334	0.062	<0.001	<0.00001	0.003	1.31	<5	6.5
28.02.2014	1	0.44	<0.001	<0.001	<0.001	341	0.055	<0.001	<0.00001	0.003	0.93	<5	5.8
10.03.2014	1	0.53	<0.001	<0.001	<0.001	239	0.051	<0.001	<0.00001	0.003	2.25	<5	6.7
18.03.2014	1	0.27	<0.001	<0.001	0.004	277	0.084	<0.001	<0.00001	0.004	2.57	<5	5.7
07.04.2014	1	0.15	<0.001	<0.001	<0.001	292	0.093	<0.001	<0.00001	0.003	2.77	<5	6.1
12.05.2014	1	0.23	<0.001	<0.001	<0.001	335	0.119	<0.001	<0.00001	0.003	2.28	<5	5.7

EPL Point 1	Total Suspended Solids Max 30 Milligrams per litre	Zinc	Hours of pump operation	Requirement to Monitor Volume or Mass KL		
Month	Number of Samples					
25.06.13	1	<3	0.16	24	1,296	
Jul-2013	0	Nil	Nil	24	1,296	
13.08.13	1	4	0.01	24	1,296	
04.09.13	1	<3	0.021	24	1,296	
05.09.13	1	5	0.015	24	1,296	
18.09.13	1	5	0.009	24	1,296	
13.11.13	1	15	0.016		Nil Discharge / Sample only	
29.11.2013	1	14	0.025	24	1,296	
15.01.2014	1	4	0.038	24	1,296	
28.01.2014	1	5	0.02	24	6,825.6	New Pump Installed
28.02.2014	1	7	0.038	24	6,825.6	New Pump Installed
10.03.2014	1	26	0.026	24	6,825.6	New Pump Installed
18.03.2014	1	9	0.086	24	6,825.6	New Pump Installed
07.04.2014	1	5	0.035	24	6,825.6	New Pump Installed
12.05.2014	1	6	0.04	24	6,825.6	New Pump Installed
	0					

Grant's Head Point EPL 2 & 3

Standing Water Level
Metres

Standing Water Level
Metres

Month

02.05.12	MW05	4.706	MW06	4.802
18.07.12	MW05	4.714	MW06	4.814
17.10.12	MW05	4.401	MW06	4.484
20.02.13	MW05	4.864	MW06	4.924
21.05.13	MW05	4.661	MW06	4.799
07.08.13	MW05	4.649	MW06	4.774
30.10.13	MW05	4.284	MW06	4.199
26.02.2014	MW05	4.304	MW06	4.374
22.05.2014	MW05	4.584	MW06	4.729

Grant's Head EPL Point 4	Tested For	Aluminium	Arsenic	Cadmium	Chromium	Conductivity	Copper	Lead	Mercury	Nickel	Nitrate	pH
	Units of Measure	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	Microsiemens per centimetre $\mu\text{S}/\text{cm}$	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	pH

Month													
20.02.13	NW01S		0.02	<0.001	<0.001	<0.001	661	<0.001	<0.001	<0.0001	0.003	0.01	5.82
	NW01D		0.12	<0.001	<0.0001	<0.001	504	0.003	<0.001	<0.0001	0.003	0.02	5.13
		Nil Sample											
21.05.13	NW01S		0.03	<0.001	<0.001	<0.001	616	<0.001	<0.001	<0.0001	0.001	0.03	5.84
	NW01D		0.13	<0.001	<0.0001	<0.001	493	0.003	<0.001	0.0002	0.002	0.02	3.56
		Nil Sample											
07.08.13	NW01S		<0.01	<0.001	<0.0001	<0.001	605	<0.001	<0.001	<0.0001	0.001	0.03	5.77
	NW01D		0.12	<0.001	<0.0001	<0.001	485	0.003	<0.001	<0.0001	0.002	0.03	4.64
		Nil Sample											
30.10.13	NW01S		<.01	<0.001	<0.0001	<0.001	567	<.001	<0.001	<0.0001	0.003	0.03	5.42
	NW01D		0.1	<0.001	<0.0001	<0.001	503	0.002	<0.001	<0.0001	0.002	0.02	4.94

Grant's Head EPL Point 4	Standing Water Level	Zinc
	Metres	Milligrams per Litre

Month			
20.02.13	NW01S	1.78	<0.005
	NW01D	-0.31	0.006
21.05.13	NW01S	0.937	<0.005
	NW01D	0.735	0.011
07.08.13	NW01S	1.035	0.34
	NW01D	0.664	0.006

Grant's Head EPL Point 6	Tested For	Aluminium	Arsenic	Cadmium	Chromium	Conductivity	Copper	Lead	Mercury	Nickel	Nitrate	pH
	Units of Measure	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	Microsiemens per centimetre $\mu\text{S}/\text{cm}$	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	Milligrams per Litre	pH

Month													
20.02.13	NW03S		0.33	<0.001	<0.0001	<0.001	376	<0.001	<0.001	<0.0001	<0.001	<0.1	4.28
	NW03D		0.05	<0.001	<0.0001	<0.001	1743	0.003	<0.001	<0.0001	0.071	0.78	5.51
		Nil Sample											
21.05.13	NW03S		0.35	<0.001	<0.0001	<0.001	369	<0.001	<0.001	<0.0001	<0.001	<0.1	4.29
	NW03D		<0.01	<0.001	<0.0001	<0.001	1582	<0.001	<0.001	<0.0001	0.047	0.86	5.57
		Nil Sample											
07.08.13	NW03S		0.31	<0.001	<0.0001	<0.001	376	<0.001	<0.001	<0.0001	<0.001	<0.1	4.13
	NW03D		<0.01	<0.001	0.0001	<0.001	906	<0.001	<0.001	<0.0001	0.026	0.82	5.55
		Nil Sample											
30.10.13	NW03S		0.36	<0.001	<0.0001	<0.001	395	<0.001	<0.001	<0.0001	<0.001	<0.05	4.4
	NW03D		<0.01	<0.001	<0.0001	<0.001	925	<0.001	<0.001	<0.0001	0.024	0.5	6.03
		Nil Sample											

Grant's Head EPL Point 6	Standing Water Level	Zinc
	Metres	Milligrams per Litre

Month			
20.02.13	NW03S	-0.605	<0.005
	NW03D	-31.295	0.17
21.05.13	NW03S	-5.74	0.006
	NW03D	-30.955	0.08
07.08.13	NW03S	-5.66	<0.005
	NW03D	-27.44	0.048
30.10.13	NW03S	-6.132	0.006

	NW03D	Nil reading	0.044

Grant's Head

Blasting	Frequency	Date	Limits	Units of measure	Results Bonny Hills 1st House	Results - Sherwood House	Blast No #
Ground Vibration	Per Blast	09.05.13	5 - trigger point <0.37	mm/s	2.68	<.37	# 100
Overpressure	Per Blast	09.05.13	115 - Trigger point 108	dB	104.6	<108	# 100
Ground Vibration	Per Blast	06.09.13	5 - trigger point <0.27	mm/s	2.98	0.67	# 101
Overpressure	Per Blast	06.09.13	115 - Trigger point 90	dB	95.4	106.1	# 101

Yarrabee Rd Quarry - Licence Number 11462

Yarrabee Rd Point 3		Pollutant	Total Suspended Solids Max 50 Milligrams per litre	pH (wet) Range 6.5 to 8.5	Oil & Grease - Visible	Requirement to Monitor Volume or Mass	
Month	Number of Samples	Frequency	<24hrs prior to discharge	<24hrs prior to discharge		Daily when wastes (water) discharged Klitres per day	Why Sampled - Discharge or Random?
Nov-2013	Nil		Nil	Nil	Nil	Nil	No Discharge
Dec-2013	Nil		Nil	Nil	Nil	Nil	No Discharge
Jan-2014	Nil		Nil	Nil	Nil	Nil	No Discharge
Feb-2014	Nil		Nil	Nil	Nil	Nil	No Discharge
Mar-2014	Nil		Nil	Nil	Nil	Nil	No Discharge
Apr-2014	NIL		Nil	Nil	Nil	Nil	No Discharge
May-2014	Nil		Nil	Nil	Nil	Nil	No Discharge
Jun-2014	Nil		Nil	Nil	Nil	Nil	No Discharge
Jul-2014	NIL		Nil	Nil	Nil	Nil	No Discharge
Aug-2014	Nil		Nil	Nil	Nil	Nil	No Discharge
Sep-2014	Nil		Nil	Nil	Nil	Nil	No Discharge
Number of samples	0						

Mean
Lowest
Highest

#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00

Yarrabee Rd

Blasting	Frequency	Date	Limits	Units of measure	Results	Blast #
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Ground Vibration	Per Blast	02.10.13	5 - trigger point <0.27	mm/s	1.09	# 22
Overpressure	Per Blast	02.10.13	115 - Trigger point 100	dB	Below trigger point	# 22
Ground Vibration	Per Blast	05.11.13	5 - trigger point <0.27	mm/s	0.52	# 23
Overpressure	Per Blast	05.11.13	115 - Trigger point 100	dB	111.9	# 23
Ground Vibration	Per Blast	26.11.13	5 - trigger point >0.27	mm/s	0.08	# 24
Overpressure	Per Blast	26.11.13	Max 115 - Trigger point >100	dB	109.9	# 24
Ground Vibration	Per Blast	17.12.13	5 - trigger point >0.27	mm/s	Below trigger point	# 25
Overpressure	Per Blast	17.12.13	Max 115 - Trigger point >100	dB	Below trigger point	# 25
Ground Vibration	Per Blast	29.01.2014	5 - trigger point >0.27	mm/s	0.39	# 26
Overpressure	Per Blast	29.01.2014	Max 115 - Trigger point >100	dB	84.2	# 26
Ground Vibration	Per Blast	20.02.2014	5 - trigger point >0.27	mm/s	0.53	# 27
Overpressure	Per Blast	20.02.2014	Max 115 - Trigger point >100	dB	108.2	# 27
Ground Vibration	Per Blast	07.03.2014	5 - trigger point >0.27	mm/s	0.6	# 28
Overpressure	Per Blast	07.03.2014	Max 115 - Trigger point >100	dB	101.5	# 28
Ground Vibration	Per Blast	26.03.2014	5 - trigger point >0.27	mm/s	0.5	# 29
Overpressure	Per Blast	26.03.2014	Max 115 - Trigger point >100	dB	87.7	# 29
Ground Vibration	Per Blast	09.05.2014	5 - trigger point >0.27	mm/s	Below trigger point	# 30
Overpressure	Per Blast	09.05.2014	Max 115 - Trigger point >100	dB	Below trigger point	# 30