

A. Statement of Compliance - Licence Details

ALL Licence holders must check that the Licence details in Section A are correct.

If there are changes to any of these details, **you must advise Environment Protection Authority (EPA) and apply as soon as possible for a variation to your Licence or for a Licence transfer.**

Licence variation and transfer application forms are available on the EPA website at: <http://www.epa.nsw.gov.au/licensing> or from regional offices of the EPA, or by contacting by telephone 02 9995 5700.

If you are applying to vary or transfer your Licence, you must still complete and submit this Annual Return.

A1. Licence holder

Licence number : 20095
Licence holder : Big Island Mining Pty Ltd
Trading name (if applicable) :
ABN : 12 112 787 470
ACN : 112 787 470
Reporting period : From: 1-7-2016 To: 30-6-2017

A2. Premises to which Licence Applies (if applicable)

Common name (if any) : Dargues Gold Mine
Premises : Majors Creek Road MAJORS CREEK 2622 NSW

A3. Activities to which Licence Applies

Crushing, grinding or separating
 Mining for minerals

A4. Other Activities (if applicable)

A5. Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.

Fee-based activity	Activity scale	Unit of measure
Mining for minerals	> 0.00 - 30,000.00	T annual production capacity
Crushing, grinding or separating	> 0.00 - 30,000.00	T annual processing capacity

A6. Assessable Pollutants (if applicable)

Note that the identification of assessable pollutants is used to calculate the **load-based fee**.
The following assessable pollutants are identified for the fee-based activity classifications in the licence:

B. Monitoring and Complaints Summary

B1. Number of Pollution Complaints

Pollution Complaint Category	Complaints
Air	0
Water	1
Noise	3
Waste	0
Other	1
Total complaints recorded by the licensee during the reporting period	5

B2. Concentration Monitoring Summary

For each concentration monitoring point identified in your licence, details are displayed below. If concentration monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

Monitoring Point 38

Dust Deposition Guage, At the location marked "DD-1" on the map labelled "Figure 1.4 Surrounding Residences and Air Quality Monitoring Locations" of the "EPL 20095 Sampling Locations for the Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Particulates - Deposited Matter	grams per square metre per month	12	12	0.80	1.46	2.70

Monitoring Point 39

Dust Deposition Guage, At the location marked "DD-2" on the map labelled "Figure 1.4 Surrounding Residences and Air Quality Monitoring Locations" of the "EPL 20095 Sampling Locations for the Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Particulates - Deposited Matter	grams per square metre per month	12	12	0.20	0.82	2.10

Monitoring Point 40

Dust Deposition Guage, At the location marked "DD-3" on the map labelled "Figure 1.4 Surrounding Residences and Air Quality Monitoring Locations" of the "EPL 20095 Sampling Locations for the Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Particulates - Deposited Matter	grams per square metre per month	12	12	0.40	2.0	3.5

Monitoring Point 41

Dust Deposition Guage, At the location marked "DD-4" on the map labelled "Figure 1.4 Surrounding Residences and Air Quality Monitoring Locations" of the "EPL 20095 Sampling Locations for the Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Particulates - Deposited Matter	grams per square metre per month	12	12	0.90	2.62	3.5

Monitoring Point 42

Dust Deposition Guage, At the location marked "DD-5" on the map labelled "Figure 1.4 Surrounding Residences and Air Quality Monitoring Locations" of the "EPL 20095 Sampling Locations for the Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Particulates - Deposited Matter	grams per square metre per month	12	12	0.30	1.61	3.5

Monitoring Point 47

Groundwater Monitoring - Regolith Aquifer, At the location marked "DRWB05" as located on the map labelled "Figure 1.3 Project Site Groundwater Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	4	0	0	0	0
Iron	micrograms per litre	4	0	0	0	0
Lead	micrograms per litre	4	0	0	0	0
Magnesium	micrograms per litre	4	0	0	0	0
Manganese	micrograms per litre	4	0	0	0	0
Mercury	micrograms per litre	4	0	0	0	0
Nickel	micrograms per litre	4	0	0	0	0
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	4	0	0	0	0
Phosphorus (dissolved reactive)	milligrams per litre	4	0	0	0	0
Phosphorus (total)	milligrams per litre	4	0	0	0	0
Potassium	milligrams per litre	4	0	0	0	0
Redox potential	milligrams per litre	4	0	0	0	0
Sodium	milligrams per litre	4	0	0	0	0
Sulfate	milligrams per litre	4	0	0	0	0
Temperature	degrees Celsius	4	0	0	0	0
Total Kjeldahl Nitrogen	milligrams per litre	4	0	0	0	0
Zinc	micrograms per litre	4	0	0	0	0
Dissolved Oxygen	milligrams per litre	4	0	0	0	0
Aluminium	micrograms per litre	4	0	0	0	0

Arsenic	micrograms per litre	4	0	0	0	0
Cadmium	micrograms per litre	4	0	0	0	0
Calcium	milligrams per litre	4	0	0	0	0
Chloride	milligrams per litre	4	0	0	0	0
Chromium	micrograms per litre	4	0	0	0	0
Cobalt	micrograms per litre	4	0	0	0	0
pH	pH	4	0	0	0	0

Monitoring Point 48

Groundwater Monitoring - Alluvium, At the location marked "DRWB06" as located on the map labelled "Figure 1.3 Project Site Groundwater Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	12	12	296.1	327.83	371.8
Iron	micrograms per litre	4	4	10	123.33	300
Lead	micrograms per litre	4	4	0.2	0.2	0.2
Magnesium	micrograms per litre	4	4	11500	12933.33	13800
Manganese	micrograms per litre	4	4	405	554.66	710
Mercury	micrograms per litre	4	4	0.1	0.1	0.1
Nickel	micrograms per litre	4	4	4.6	5.96	8.2
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	4	4	0.05	0.05	0.05
Phosphorus (dissolved reactive)	milligrams per litre	4	4	0.09	0.14	0.24
Phosphorus (total)	milligrams per litre	4	4	0.09	0.14	0.24
Potassium	milligrams per litre	4	4	0.6	0.66	0.8
Redox potential	milligrams per litre	12	12	-33.4	26.7	145.1
Sodium	milligrams per litre	4	4	15.5	16.06	16.4

Sulfate	milligrams per litre	4	4	58.1	78.46	93
Temperature	degrees Celsius	12	12	11.5	14.99	18.7
Total Kjeldahl Nitrogen	milligrams per litre	4	4	0.34	0.346	0.36
Zinc	micrograms per litre	4	4	21	28	41
Dissolved Oxygen	milligrams per litre	12	12	2.67	4.51	6.3
Aluminium	micrograms per litre	4	4	0.1	0.1	0.1
Arsenic	micrograms per litre	4	4	1	1	1
Cadmium	micrograms per litre	4	4	0.06	0.07	0.11
Calcium	milligrams per litre	4	4	39.1	45.72	50.5
Chloride	milligrams per litre	4	4	24.2	27.7	33.3
Chromium	micrograms per litre	4	4	1	1	1
Cobalt	micrograms per litre	4	4	0.6	0.9	1.1
pH	pH	4	4	6.94	7.14	7.25

Monitoring Point 49

Groundwater Monitoring - Alluvium, At the location marked "DRWB07" as located on the map labelled "Figure 1.3 Project Site Groundwater Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	4	4	334.70	348.11	363.10
Iron	micrograms per litre	4	4	4620	6480	8270
Lead	micrograms per litre	4	4	0.2	0.2	0.2
Magnesium	micrograms per litre	4	4	11200	11550	11800
Manganese	micrograms per litre	4	4	446	516	606
Mercury	micrograms per litre	4	4	0.1	0.1	0.1
Nickel	micrograms per litre	4	4	3	3.7	5.2

Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	4	4	0.05	0.05	0.05
Phosphorus (dissolved reactive)	milligrams per litre	4	4	0.02	0.02	0.02
Phosphorus (total)	milligrams per litre	4	4	0.33	0.45	0.57
Potassium	milligrams per litre	4	4	1.2	1.22	1.3
Redox potential	milligrams per litre	4	4	-109.2	-35.44	95.10
Sodium	milligrams per litre	4	4	23.5	24.65	27.3
Sulfate	milligrams per litre	4	4	15	24.92	39.8
Temperature	degrees Celsius	4	4	14.1	14.94	16.0
Total Kjeldahl Nitrogen	milligrams per litre	4	4	0.58	0.96	1.28
Zinc	micrograms per litre	4	4	14	57	100
Dissolved Oxygen	milligrams per litre	4	4	0.32	1.67	6.19
Aluminium	micrograms per litre	4	4	20	20	20
Arsenic	micrograms per litre	4	4	1	1	1
Cadmium	micrograms per litre	4	4	0.05	0.05	0.05
Calcium	milligrams per litre	4	4	31.5	39	51.3
Chloride	milligrams per litre	4	4	19.5	35.8	48.4
Chromium	micrograms per litre	4	4	0.001	0.001	0.001
Cobalt	micrograms per litre	4	4	0.6	0.75	0.9
pH	pH	4	4	7.03	7.17	7.34

Monitoring Point 50

Groundwater Monitoring - Alluvium, At the location marked "DRWB08" as located on the map labelled "Figure 1.3 Project Site Groundwater Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	4	4	141.20	194.23	282.10

Iron	micrograms per litre	4	4	40	63.33	80.0
Lead	micrograms per litre	4	4	0.2	0.2	0.2
Magnesium	micrograms per litre	4	4	4550	5118	5740
Manganese	micrograms per litre	4	4	200	301.5	426
Mercury	micrograms per litre	4	4	0.1	0.1	0.1
Nickel	micrograms per litre	4	4	5	6.1	7.2
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	4	4	0.05	0.05	0.05
Phosphorus (dissolved reactive)	milligrams per litre	4	4	0.02	0.02	0.02
Phosphorus (total)	milligrams per litre	4	4	0.04	0.07	0.15
Potassium	milligrams per litre	4	4	0.8	1	1.2
Redox potential	milligrams per litre	4	4	-20.9	54.41	156.50
Sodium	milligrams per litre	4	4	11.4	12.25	13.8
Sulfate	milligrams per litre	4	4	6.4	8.27	9.9
Temperature	degrees Celsius	4	4	11.8	14.5	18.7
Total Kjeldahl Nitrogen	milligrams per litre	4	4	0.14	0.21	0.3
Zinc	micrograms per litre	4	4	11	16.25	22
Dissolved Oxygen	milligrams per litre	4	4	1.79	2.56	4.57
Aluminium	micrograms per litre	4	4	20	20	20
Arsenic	micrograms per litre	4	4	1	1	1
Cadmium	micrograms per litre	4	4	0.05	0.05	0.05
Calcium	milligrams per litre	4	4	19.3	23.45	30.1
Chloride	milligrams per litre	4	4	29.4	33.825	41.5
Chromium	micrograms per litre	4	4	1	1	1
Cobalt	micrograms per litre	4	4	2.6	3.85	5.9
pH	pH	4	4	6.89	7.04	7.18

Monitoring Point 51

Groundwater Monitoring - Alluvium, At the location marked "DRWB09" as located on the map labelled "Figure 1.3 Project Site Groundwater Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	4	4	599.0	657.42	773.0
Iron	micrograms per litre	4	4	110	325	510
Lead	micrograms per litre	4	4	0.4	0.4	0.4
Magnesium	micrograms per litre	4	4	25100	25675	26200
Manganese	micrograms per litre	4	4	124	137.8	149
Mercury	micrograms per litre	4	4	0.1	0.1	0.1
Nickel	micrograms per litre	4	4	9.8	13.4	18.7
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	4	4	0.05	0.05	0.05
Phosphorus (dissolved reactive)	milligrams per litre	4	4	0.02	0.02	0.02
Phosphorus (total)	milligrams per litre	4	4	0.03	0.035	0.04
Potassium	milligrams per litre	4	4	1.2	1.3	1.4
Redox potential	milligrams per litre	4	4	-117.22	5.37	104.00
Sodium	milligrams per litre	4	4	26.9	29.35	30.8
Sulfate	milligrams per litre	4	4	8.2	9.275	11.9
Temperature	degrees Celsius	4	4	13.70	14.56	15.60
Total Kjeldahl Nitrogen	milligrams per litre	4	4	0.37	0.41	0.44
Zinc	micrograms per litre	4	4	5	8	11
Dissolved Oxygen	milligrams per litre	4	4	0.83	1.92	2.83
Aluminium	micrograms per litre	4	4	20	20	20

Arsenic	micrograms per litre	4	4	1	1	1
Cadmium	micrograms per litre	4	4	0.05	0.05	0.05
Calcium	milligrams per litre	4	4	69.6	72.93	77.2
Chloride	milligrams per litre	4	4	158	182.75	213
Chromium	micrograms per litre	4	4	2	2	2
Cobalt	micrograms per litre	4	4	1.2	1.5	1.8
pH	pH	4	4	7.31	7.38	7.51

Monitoring Point 52

Groundwater Monitoring - Alluvium, At the location marked "DRWB10" as located on the map labelled "Figure 1.3 Project Site Groundwater Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	4	4	609.00	771.25	815.00
Iron	micrograms per litre	4	4	20	37.5	70.0
Lead	micrograms per litre	4	4	0.5	0.5	0.5
Magnesium	micrograms per litre	4	4	23200	26125	27900
Manganese	micrograms per litre	4	4	318	369.75	400
Mercury	micrograms per litre	4	4	0.1	0.2	0.3
Nickel	micrograms per litre	4	4	8.9	11.5	16.5
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	4	4	0.5	0.05	0.05
Phosphorus (dissolved reactive)	milligrams per litre	4	4	0.02	0.0275	0.03
Phosphorus (total)	milligrams per litre	4	4	0.03	0.0375	0.05
Potassium	milligrams per litre	4	4	1.3	1.35	1.5
Redox potential	milligrams per litre	4	4	-206.00	-7.17	119.40
Sodium	milligrams per litre	4	4	37.3	39.8	40.9

Sulfate	milligrams per litre	4	4	14.8	20.2	24.6
Temperature	degrees Celsius	4	4	13.9	14.67	15.70
Total Kjeldahl Nitrogen	milligrams per litre	4	4	0.26	0.28	0.34
Zinc	micrograms per litre	4	4	0.05	0.05	0.05
Dissolved Oxygen	milligrams per litre	4	4	1.45	2.40	4.40
Aluminium	micrograms per litre	4	4	20	20	20
Arsenic	micrograms per litre	4	4	1	1.33	2.0
Cadmium	micrograms per litre	4	4	0.05	0.05	0.05
Calcium	milligrams per litre	4	4	99.8	105.85	115
Chloride	milligrams per litre	4	4	127	165.75	215
Chromium	micrograms per litre	4	4	2	2	2
Cobalt	micrograms per litre	4	4	0.4	0.55	0.7
pH	pH	4	4	7.54	7.64	7.73

Monitoring Point 53

Water Quality Monitoring - Spring Creek Upstream, At the location marked "SW-1" as located on the map labelled "Figure 1.2 Site Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	12	12	199.3	289.94	406.4
Dissolved Oxygen	milligrams per litre	12	12	2.61	4.67	7.42
pH	pH	12	12	7.51	7.66	7.92
Total suspended solids	milligrams per litre	12	12	2	2.9	6
Alkalinity (as calcium carbonate)	milligrams per litre	12	12	0.1	0.1	0.1
Aluminium	micrograms per litre	12	12	20	29	90
Arsenic	micrograms per litre	12	12	1	1.11	2

Cadmium	micrograms per litre	12	12	0.05	0.05	0.05
Calcium	milligrams per litre	12	12	22.3	29.52	36.60
Chloride	milligrams per litre	12	12	34.9	51.1	75.5
Chromium (hexavalent)	micrograms per litre	12	12	1	1	1
Cobalt	micrograms per litre	12	12	0.2	0.38	0.9
Iron	micrograms per litre	12	12	110	530	1380
Lead	micrograms per litre	12	12	0.2	0.35	1
Magnesium	micrograms per litre	12	12	9520	11607	13000
Manganese	micrograms per litre	12	12	4	65.9	219
Mercury	micrograms per litre	12	12	0.1	0.1	0.1
Nickel	micrograms per litre	12	12	1.9	3.03	5
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	12	12	0.05	0.255	0.75
Phosphorus (dissolved reactive)	milligrams per litre	12	12	0.02	0.022	0.03
Phosphorus (total)	milligrams per litre	12	12	0.02	0.033	0.05
Potassium	milligrams per litre	12	12	0.1	0.9	3
Redox potential	milligrams per normalised cubic metre	12	12	-79.7	74.5	261.6
Sodium	milligrams per litre	12	12	19.8	27.08	32.2
Sulfate	milligrams per litre	12	12	2.7	6.79	10.1
Temperature	degrees Celsius	12	12	4.8	12.02	18.4
Total Kjeldahl Nitrogen	milligrams per litre	12	12	0.25	0.485	1.23
Zinc	micrograms per litre	12	12	5	11.3	66

Monitoring Point 54

Water Volume and Quality Monitoring - Spring Creek Onsite, At the location marked "SW-2" as located on the map labelled "Figure 1.2 Site Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	12	12	273.1	468.46	629
Dissolved Oxygen	milligrams per litre	12	12	6.49	7.59	10.03
pH	pH	12	12	7.67	7.79	8.01
Total suspended solids	milligrams per litre	12	12	2	3.9	9
Alkalinity (as calcium carbonate)	milligrams per litre	12	12	0.1	0.1	0.1
Aluminium	micrograms per litre	12	12	20	23	40
Arsenic	micrograms per litre	12	12	1	1	1
Cadmium	micrograms per litre	12	12	0.05	0.05	0.05
Calcium	milligrams per litre	12	12	33	53.975	64.4
Chloride	milligrams per litre	12	12	63.6	110.85	148
Chromium (hexavalent)	micrograms per litre	12	12	1	1	1
Cobalt	micrograms per litre	12	12	0.3	0.37	0.6
Iron	micrograms per litre	12	12	140	274	410
Lead	micrograms per litre	12	12	0.2	0.277	0.6
Magnesium	micrograms per litre	12	12	12500	19270	22000
Manganese	micrograms per litre	12	12	43	94.3	182
Mercury	micrograms per litre	12	12	0.1	0.1	0.1
Nickel	micrograms per litre	12	12	2.7	5.01	6.9
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	12	12	0.32	0.502	0.85
Phosphorus (dissolved reactive)	milligrams per litre	12	12	0.02	0.022	0.03
Phosphorus (total)	milligrams per litre	12	12	0.01	0.021	0.03
Potassium	milligrams per litre	12	12	0.2	1.02	2.4

Redox potential	milligrams per normalised cubic metre	12	12	-33.9	68.56	259.1
Sodium	milligrams per litre	12	12	25.2	33.08	38.9
Sulfate	milligrams per litre	12	12	22.6	35.17	42.7
Temperature	degrees Celsius	12	12	4.6	11.85	17.4
Total Kjeldahl Nitrogen	milligrams per litre	12	12	0.22	0.404	1.12
Zinc	micrograms per litre	12	12	5	5	5

Monitoring Point 55

Water Quality Monitoring - Spring Creek Downstream, At the location marked "SW-3" as located on the map labelled "Figure 1.2 Site Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	12	12	464	666.4	805
Dissolved Oxygen	milligrams per litre	12	12	5.01	12.82	65.5
pH	pH	12	12	7.63	7.77	8.03
Total suspended solids	milligrams per litre	12	12	2	2.8	8
Alkalinity (as calcium carbonate)	milligrams per litre	12	12	0.1	0.1	0.1
Aluminium	micrograms per litre	12	12	20	24	60
Arsenic	micrograms per litre	12	12	1	1	1
Cadmium	micrograms per litre	12	12	0.05	0.05	0.05
Calcium	milligrams per litre	12	12	40.4	58.8	72.4
Chloride	milligrams per litre	12	12	75.9	126.36	173
Chromium (hexavalent)	micrograms per litre	12	12	1	1.1	2
Cobalt	micrograms per litre	12	12	0.3	0.53	1
Iron	micrograms per litre	12	12	130	324	490

Lead	micrograms per litre	12	12	0.2	0.25	0.5
Magnesium	micrograms per litre	12	12	14500	20480	23500
Manganese	micrograms per litre	12	12	14500	20480	23500
Mercury	micrograms per litre	12	12	0.1	0.1	0.1
Nickel	micrograms per litre	12	12	3.3	5.34	7.6
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	12	12	0.05	0.174	0.45
Phosphorus (dissolved reactive)	milligrams per litre	12	12	0.02	0.022	0.03
Phosphorus (total)	milligrams per litre	12	12	0.01	0.016	0.03
Potassium	milligrams per litre	12	12	0.4	1.11	2.4
Redox potential	milligrams per normalised cubic metre	12	12	-48.8	78.68	258.3
Sodium	milligrams per litre	12	12	25.4	33.75	41.2
Sulfate	milligrams per litre	12	12	21.9	31.55	37.5
Temperature	degrees Celsius	12	12	4.6	13.12	19.2
Total Kjeldahl Nitrogen	milligrams per litre	12	12	0.22	0.405	1.03
Zinc	micrograms per litre	12	12	5	5	5

Monitoring Point 56

Water Volume and Quality Monitoring - Majors Creek Upstream, At the location marked "SW-4" as located on the map labelled "Figure 1.2 Site Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	12	12	156	223.6	283
Dissolved Oxygen	milligrams per litre	12	12	4.51	7.37	11.1
pH	pH	12	12	7.52	7.72	7.99
Total suspended solids	milligrams per litre	12	12	2	2.2	4

Alkalinity (as calcium carbonate)	milligrams per litre	12	12	0.1	0.1	0.1
Aluminium	micrograms per litre	12	12	20	54	190
Arsenic	micrograms per litre	12	12	1	1	1
Cadmium	micrograms per litre	12	12	0.05	0.05	0.05
Calcium	milligrams per litre	12	12	8.26	13.80	21.6
Chloride	milligrams per litre	12	12	15.3	21.51	26.9
Chromium (hexavalent)	micrograms per litre	12	12	1	1	1
Cobalt	micrograms per litre	12	12	0.2	0.21	0.3
Iron	micrograms per litre	12	12	120	372	730
Lead	micrograms per litre	12	12	0.2	0.23	0.4
Magnesium	micrograms per litre	12	12	4410	6713	9380
Manganese	micrograms per litre	12	12	8	27.7	84
Mercury	micrograms per litre	12	12	0.1	0.1	0.1
Nickel	micrograms per litre	12	12	1.2	1.47	2
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	12	12	0.05	0.098	0.17
Phosphorus (dissolved reactive)	milligrams per litre	12	12	0.02	0.02	0.02
Phosphorus (total)	milligrams per litre	12	12	0.01	0.017	0.03
Potassium	milligrams per litre	12	12	0.2	1.12	2.1
Redox potential	milligrams per normalised cubic metre	12	12	-17.7	89.77	243.1
Sodium	milligrams per litre	12	12	14	19.66	24.1
Sulfate	milligrams per litre	12	12	0.4	2.66	4
Temperature	degrees Celsius	12	12	5.1	13.15	19.3
Total Kjeldahl Nitrogen	milligrams per litre	12	12	0.23	0.401	0.9
Zinc	micrograms per litre	12	12	5	6.1	15

Monitoring Point 57

Water Quality Monitoring - Majors Creek, At the location marked "SW-5" as located on the map labelled "Figure 1.2 Site Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	12	12	191	245.5	364
Dissolved Oxygen	milligrams per litre	12	12	3.03	4.96	7.97
pH	pH	12	12	7.3	7.54	7.86
Total suspended solids	milligrams per litre	12	12	2	3.9	11
Alkalinity (as calcium carbonate)	milligrams per litre	12	12	0.1	0.1	0.1
Aluminium	micrograms per litre	12	12	20	33	140
Arsenic	micrograms per litre	12	12	1	1	1
Cadmium	micrograms per litre	12	12	0.05	0.05	0.05
Calcium	milligrams per litre	12	12	11.4	17.15	24.7
Chloride	milligrams per litre	12	12	17.7	27.61	52.8
Chromium (hexavalent)	micrograms per litre	12	12	1	1	1
Cobalt	micrograms per litre	12	12	0.2	0.25	0.5
Iron	micrograms per litre	12	12	120	565	950
Lead	micrograms per litre	12	12	0.2	0.21	0.3
Magnesium	micrograms per litre	12	12	5440	7714	10500
Manganese	micrograms per litre	12	12	17	81.9	244
Mercury	micrograms per litre	12	12	0.1	0.1	0.1
Nickel	micrograms per litre	12	12	1.1	1.73	2.9
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	12	12	0.05	0.085	0.15
Phosphorus (dissolved reactive)	milligrams per litre	12	12	0.02	0.02	0.02

Phosphorus (total)	milligrams per litre	12	12	0.01	0.021	0.04
Potassium	milligrams per litre	12	12	0.1	1.02	1.8
Redox potential	milligrams per normalised cubic metre	12	12	-30.9	78.05	245.1
Sodium	milligrams per litre	12	12	15.4	20.47	26.2
Sulfate	milligrams per litre	12	12	5.2	7.36	11.8
Temperature	degrees Celsius	12	12	6	14.19	19.7
Total Kjeldahl Nitrogen	milligrams per litre	12	12	0.24	0.421	0.95
Zinc	micrograms per litre	12	12	5	8.9	44

Monitoring Point 58

Water Volume and Quality Monitoring - Majors Creek Downstream, At the location marked "SW-6" as located on the map labelled "Figure 1.2 Site Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	12	12	268	348.2	417
Dissolved Oxygen	milligrams per litre	12	12	3.39	5.84	8.4
pH	pH	12	12	7.41	7.64	7.96
Total suspended solids	milligrams per litre	12	12	2	5.5	27
Alkalinity (as calcium carbonate)	milligrams per litre	12	12	0.1	0.1	0.1
Aluminium	micrograms per litre	12	12	20	28	90
Arsenic	micrograms per litre	12	12	1	1	1
Cadmium	micrograms per litre	12	12	0.05	0.05	0.05
Calcium	milligrams per litre	12	12	19.9	28.32	38.6
Chloride	milligrams per litre	12	12	6.8	45.92	75.2
Chromium (hexavalent)	micrograms per litre	12	12	1	1	1

Cobalt	micrograms per litre	12	12	0.2	0.27	0.6
Iron	micrograms per litre	12	12	220	476	780
Lead	micrograms per litre	12	12	0.2	0.2	0.2
Magnesium	micrograms per litre	12	12	8360	10703	12600
Manganese	micrograms per litre	12	12	13	56	109
Mercury	micrograms per litre	12	12	0.1	0.1	0.1
Nickel	micrograms per litre	12	12	1.7	2.65	4.2
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	12	12	0.05	0.102	0.26
Phosphorus (dissolved reactive)	milligrams per litre	12	12	0.02	0.021	0.03
Phosphorus (total)	milligrams per litre	12	12	0.01	0.018	0.03
Potassium	milligrams per litre	12	12	0.3	1.06	2
Redox potential	milligrams per normalised cubic metre	12	12	-46.4	75.28	250.8
Sodium	milligrams per litre	12	12	23.6	23.47	26.5
Sulfate	milligrams per litre	12	12	5.9	12.71	16.2
Temperature	degrees Celsius	12	12	6.1	20.07	64
Total Kjeldahl Nitrogen	milligrams per litre	12	12	0.23	0.38	0.88
Zinc	micrograms per litre	12	12	5	5	5

Monitoring Point 59

Water Quality Monitoring - Majors Creek Downstream, At the location marked as "SW-7" on the map labelled "Figure 1.1 Regional Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	12	12	266	367.5	413
Dissolved Oxygen	milligrams per litre	12	12	4.8	6.61	7.56

pH	pH	12	12	7.59	7.74	8
Total suspended solids	milligrams per litre	12	12	2	2	2
Alkalinity (as calcium carbonate)	milligrams per litre	12	12	0.1	0.1	0.1
Aluminium	micrograms per litre	12	12	20	24.4	60
Arsenic	micrograms per litre	12	12	1	1	1
Cadmium	micrograms per litre	12	12	0.05	0.05	0.05
Calcium	milligrams per litre	12	12	22.6	29.50	33.8
Chloride	milligrams per litre	12	12	29.7	52.27	70.2
Chromium (hexavalent)	micrograms per litre	12	12	1	1	1
Cobalt	micrograms per litre	12	12	0.2	0.3	0.6
Iron	micrograms per litre	12	12	50	158	280
Lead	micrograms per litre	12	12	0.2	0.2	0.2
Magnesium	micrograms per litre	12	12	8790	11549	13000
Manganese	micrograms per litre	12	12	14	35.11	60
Mercury	micrograms per litre	12	12	0.1	0.1	0.1
Nickel	micrograms per litre	12	12	1.6	2.69	4.3
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	12	12	0.05	0.083	0.34
Phosphorus (dissolved reactive)	milligrams per litre	12	12	0.02	0.02	0.02
Phosphorus (total)	milligrams per litre	12	12	0.01	0.011	0.02
Potassium	milligrams per litre	12	12	1.2	1.47	2.4
Redox potential	milligrams per normalised cubic metre	12	12	3.2	92.11	257.3
Sodium	milligrams per litre	12	12	23.60	23.36	26.6
Sulfate	milligrams per litre	12	12	11.9	16.35	18.3
Temperature	degrees Celsius	12	12	8.9	14.5	18.4
Total Kjeldahl Nitrogen	milligrams per litre	12	12	0.12	0.22	0.63

Zinc	micrograms per litre	12	12	5	5.1	6
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Monitoring Point 61

Groundwater Monitoring - Alluvium, At the location marked as "DRWB12" as located in the map labelled "Figure 1.3 Project Site Groundwater Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	4	4	609	771.25	815.00
Iron	micrograms per litre	4	4	10.0	210	610
Lead	micrograms per litre	4	4	0.2	0.22	0.3
Magnesium	micrograms per litre	4	4	12700	14600	19100
Manganese	micrograms per litre	4	4	4	160.3	356
Mercury	micrograms per litre	4	4	0.1	0.1	0.1
Nickel	micrograms per litre	4	4	6.9	8.025	10.7
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	4	4	0.09	0.125	0.16
Phosphorus (dissolved reactive)	milligrams per litre	4	4	0.02	0.02	0.02
Phosphorus (total)	milligrams per litre	4	4	0.01	0.016	0.02
Potassium	milligrams per litre	4	4	1.6	1.775	1.9
Redox potential	milligrams per litre	4	4	-60.5	31.71	183.20
Sodium	milligrams per litre	4	4	28.7	29.45	30.6
Sulfate	milligrams per litre	4	4	15.4	27.82	34.9
Temperature	degrees Celsius	4	4	12.20	14.68	17.70
Total Kjeldahl Nitrogen	milligrams per litre	4	4	0.12	0.14	0.18
Zinc	micrograms per litre	4	4	10	12.6	17
Dissolved Oxygen	milligrams per litre	4	4	1.45	2.40	4.40

Aluminium	micrograms per litre	4	4	20	20	20
Arsenic	micrograms per litre	4	4	1	1	1
Cadmium	micrograms per litre	4	4	0.05	0.05	0.05
Calcium	milligrams per litre	4	4	68.3	74.46	87.2
Chloride	milligrams per litre	4	4	51.4	58.7	67.3
Chromium	micrograms per litre	4	4	2	2	2
Cobalt	micrograms per litre	4	4	0.4	1	2.8
pH	pH	4	4	7.58	7.67	7.74

Monitoring Point 62

Groundwater Monitoring - Granodiorite Aquifer, At the location marked as "DRWB13" as located in the map labelled "Figure 1.3 Project Site Groundwater Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre	4	4	516.00	586.92	652.00
Iron	micrograms per litre	4	4	40	412	720
Lead	micrograms per litre	4	4	0.6	1.3	2
Magnesium	micrograms per litre	4	4	12900	16750	18700
Manganese	micrograms per litre	4	4	4	271.8	369
Mercury	micrograms per litre	4	4	0.1	0.1	0.1
Nickel	micrograms per litre	4	4	6.7	9.22	12.9
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	4	4	0.05	0.1	0.16
Phosphorus (dissolved reactive)	milligrams per litre	4	4	0.02	0.022	0.03
Phosphorus (total)	milligrams per litre	4	4	0.01	0.0175	0.02
Potassium	milligrams per litre	4	4	1.4	1.725	1.9
Redox potential	milligrams per litre	4	4	-36.90	19.86	168.70

Sodium	milligrams per litre	4	4	24.9	28.9	31.2
Sulfate	milligrams per litre	4	4	19.8	23.025	28.5
Temperature	degrees Celsius	4	4	11.20	15.73	20.90
Total Kjeldahl Nitrogen	milligrams per litre	4	4	0.07	0.075	0.08
Zinc	micrograms per litre	4	4	6	34	94
Dissolved Oxygen	milligrams per litre	4	4	0.45	1.42	2.81
Aluminium	micrograms per litre	4	4	20	20	20
Arsenic	micrograms per litre	4	4	1	1.33	2
Cadmium	micrograms per litre	4	4	0.05	0.05	0.05
Calcium	milligrams per litre	4	4	67.2	79.48	87.9
Chloride	milligrams per litre	4	4	41.9	78.6	99.4
Chromium	micrograms per litre	4	4	2	2	2
Cobalt	micrograms per litre	4	4	0.3	0.475	0.6
pH	pH	4	4	7.55	7.64	7.71

Monitoring Point 74

Water Quality Monitoring - Spillway of Sediment Basin 2, At the location marked "SB02-1" as located on the map labelled "Figure 1.2 Site Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Turbidity	nephelometric turbidity units	0	0	0	0	0
TSS	milligrams per litre	0	0	0	0	0
Electrical conductivity	microsiemens per centimetre	0	0	0	0	0
pH	pH	0	0	0	0	0

Monitoring Point 75

Water Quality Monitoring - Spillway of Storm Water Pond 1, At the location marked "SWPO1-1" as located on the map labelled "Figure 1.2 Site Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Turbidity	nephelometric turbidity units	0	0	0	0	0
TSS	milligrams per litre	0	0	0	0	0
Electrical conductivity	microsiemens per centimetre	0	0	0	0	0
pH	pH	0	0	0	0	0

Monitoring Point 76

Water Quality Monitoring - Waste Rock Emplacement Sediment Basin 1, At the location marked "WRESB01-1" as located on the map labelled "Figure 1.2 Site Surface Water Monitoring Locations" of the "EPL 20095 Sampling Locations for Dargues Gold Mine" for the premises dated 22 March 2017 (EPA reference DOC17/187905)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Turbidity	nephelometric turbidity units	0	0	0	0	0
TSS	milligrams per litre	0	0	0	0	0
Electrical conductivity	microsiemens per centimetre	0	0	0	0	0
pH	pH	0	0	0	0	0

B3. Volume or Mass Monitoring Summary

For each volume or mass monitoring point identified in your licence, details are displayed below. If volume or mass monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

Note that this does not exclude the need to conduct appropriate volume or mass monitoring of assessable pollutants are required by load-based licensing (if applicable).

C. Statement of Compliance - Licence Conditions

C1. Compliance with Licence Conditions

Were all conditions of the licence complied with (including monitoring and reporting requirements)?	Yes
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D. Statement of Compliance - Load Based Fee Calculation

If you are not required to monitor assessable pollutants by your licence, **no data** will appear below.

If assessable pollutants have been identified on your licence, the following worksheets for each assessable pollutant will determine your load based fee for the licence fee period to which this Annual Return relates.

Loads of assessable pollutants must be calculated using any of the methods provided in EPA's Load Calculation Protocol for the relevant activity. A Load Calculation Protocol would have been already sent to you with your licence. If you require additional copies, you can download the Protocol from the EPA's website or you can contact us on telephone 02 9995 5700.

You are required to keep all records used to calculate licence fees for four years after the licence fee was paid or became payable, whichever is the later date.

E. Statement of Compliance - Requirement to Prepare PIRMP

Have you prepared a Pollution Incident Response Management Plan (PIRMP) as required under section 153A of the Protection of the Environment Operations (POEO) Act 1997?	Yes
Is the PIRMP available at the premises?	Yes
Is the PIRMP available in a prominent position on a publicly accessible website?	Yes
Address of the web page where the PIRMP can be accessed ▼	
http://www.divminerals.com.au/	
Has the PIRMP been tested?	Yes
The PIRMP was last tested on	29-6-2017
Has the PIRMP been updated?	Yes
The PIRMP was last updated on	30-6-2017
Number of times the PIRMP was activated in this reporting period?	0
The PIRMP was activated on	N/A

F. Statement of Compliance - Requirement to Publish Pollution Monitoring Data

Are there any conditions attached to your licence that require pollution monitoring to be undertaken as required under section 66(6) of the Protection of the Environment Operations (POEO) Act 1997?	No
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G. Statement of Compliance - Environment Management System and Practices

Do you have an ISO 14001 certified Environmental Management System (EMS) OR any other system that EPA considers is equivalent to the accountability, procedures, documentation and record keeping requirements of an ISO 14001 certified EMS?	No
Have you conducted an assessment of your activities and operations to identify the aspects that have a potential to cause environmental impacts and implemented operational controls to address these aspects?	Yes
Have you established and implemented an operational maintenance program, including preventative maintenance?	Yes
Do you keep records of regular inspections and maintenance of plant and equipment?	Yes
Do you conduct regular site audits to assess compliance with environmental legal requirements and assess conformance to the requirements of any documented environmental practices, procedures and systems in place?	Yes
Are the audits of documented environmental practices, procedures and systems undertaken by a third party?	No
Have you established and implemented an environmental improvement or management plan?	Yes
Do you train staff in environmental issues that may arise from your activities and operations and keep records of this	Yes

H. Signature and Certification

This Annual Return may only be signed by person(s) with legal authority to sign it as set out in following categories: an Individual, a Company, a Public authority or a Local council.

It is an offence to supply any information in this form that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect. There is a maximum penalty of \$250,000 for a corporation and \$120,000 for an individual.

I/We

- declare that the information in the Monitoring and Complaints Summary in Section B of this Annual Return application is correct and not false or misleading in a material respect, and
- certify that the information in the Statement and Compliance in sections A, C, D, E, F, G and H and any other pages attached to Section C is correct and not false or misleading in a material respect.

Signature	
Name	

Position	
Date	/ /
Declaration I declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and I certify that the information in the Statement of Compliance in section A,C,D,E,F and G and any pages attached to Section C is correct and not false or misleading in a material respect.	