

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-and-regulation/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 : 11254
 Licence holder : TRITTON RESOURCES PTY LTD
 Trading name (if applicable) : AERIS RESOURCES LTD
 ABN : 88 100 095 494
 ACN : 100 095 494
 Reporting period : From: 30-7-2020 To: 29-7-2021

A2. Premises to which Licence Applies (if applicable)

Common name (if any) : TRITTON COPPER MINE
 Premises : YARRANDALE ROAD HERMIDALE 2831 NSW

A3. Activities to which Licence Applies

Mining for minerals

A4. Other Activities (if applicable)

Mineral Processing or Metallurgical Works
 Waste Facilities - solid & inert waste landfilling
 Crushing, Grinding or Separating Works

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	> 500,000.00 - 2,000,000.00	T annual production 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	0
Noise	0
Waste	0
Other	0
Total complaints recorded by the licensee during the reporting period	0

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 12

Groundwater monitoring point, Piezometer labelled as "PZH-001" on map titled "Tritton Copper Project Bore Monitoring Locations" submitted to the EPA 25 April 2008 (DOC08/19282).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.001	0.0013	0.002
Barium	milligrams per litre	1	4	0.01	0.0128	0.018
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001

Cadmium	milligrams per litre	1	4	0.0001	0.0023	0.009
Chloride	milligrams per litre	1	4	3480	3780	3930
Chromium	milligrams per litre	1	4	0.001	0.001	0.001
Cobalt	milligrams per litre	1	4	0.001	0.03	0.116
Conductivity	microsiemens per centimetre	1	4	12400	13850	16700
Copper	milligrams per litre	1	4	0.01	0.029	0.081
Iron	milligrams per litre	1	4	0.05	0.05	0.05
Lead	milligrams per litre	1	4	0.001	0.001	0.001
Manganese	milligrams per litre	1	4	0.001	0.3995	1.57
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	1	4	0.002	0.0125	0.044
pH	pH	1	4	7.65	7.905	8.31
Sulfate	milligrams per litre	1	4	2210	2255	2300
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.019	0.1203	0.411

Monitoring Point 13

Groundwater monitoring point, Piezometer labelled as "PZH-002" on map titled "Tritton Copper Project Bore Monitoring Locations" submitted to the EPA 25 April 2008 (DOC08/19282).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.001	0.001	0.001
Barium	milligrams per litre	1	4	0.014	0.0178	0.021
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0001	0.0002	0.0002
Chloride	milligrams per litre	1	4	2950	3135	3270

Chromium	milligrams per litre	1	4	0.001	0.001	0.001
Cobalt	milligrams per litre	1	4	0.001	0.001	0.001
Conductivity	microsiemens per centimetre	1	4	11200	12450	13700
Copper	milligrams per litre	1	4	0.005	0.0073	0.012
Iron	milligrams per litre	1	4	0.14	0.49	0.82
Lead	milligrams per litre	1	4	0.001	0.001	0.001
Manganese	milligrams per litre	1	4	0.008	0.114	0.219
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	1	4	0.001	0.002	0.003
pH	pH	1	4	7.61	7.85	8.32
Sulfate	milligrams per litre	1	4	1830	1905	1970
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.014	0.0275	0.051

Monitoring Point 14

Groundwater monitoring point, Piezometer labelled as "PZH-003" on map titled "Tritton Copper Project Bore Monitoring Locations" submitted to the EPA 25 April 2008 (DOC08/19282).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.001	0.001	0.001
Barium	milligrams per litre	1	4	0.017	0.0203	0.023
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0001	0.0007	0.0014
Chloride	milligrams per litre	1	4	4620	4787.5	5120
Chromium	milligrams per litre	1	4	0.001	0.001	0.001
Cobalt	milligrams per litre	1	4	0.002	0.007	0.011

Conductivity	microsiemens per centimetre	1	4	16400	17450	18700
Copper	milligrams per litre	1	4	0.002	0.0288	0.054
Iron	milligrams per litre	1	4	0.6	0.7725	1.1
Lead	milligrams per litre	1	4	0.001	0.0015	0.002
Manganese	milligrams per litre	1	4	0.154	0.2083	0.245
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	1	4	0.003	0.011	0.015
pH	pH	1	4	7.54	7.84	8.23
Sulfate	milligrams per litre	1	4	2250	2315	2370
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.017	0.106	0.186

Monitoring Point 15

Groundwater monitoring point, Piezometer labelled as " PZH-004" on map titled "Tritton Copper Project Bore Monitoring Locations" submitted to the EPA 25 April 2008 (DOC08/19282).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	0	dry	dry	dry
Barium	milligrams per litre	1	0	dry	dry	dry
Beryllium	milligrams per litre	1	0	dry	dry	dry
Cadmium	milligrams per litre	1	0	dry	dry	dry
Chloride	milligrams per litre	1	0	dry	dry	dry
Chromium	milligrams per litre	1	0	dry	dry	dry
Cobalt	milligrams per litre	1	0	dry	dry	dry
Conductivity	microsiemens per centimetre	1	0	dry	dry	dry
Copper	milligrams per litre	1	0	dry	dry	dry



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Iron	milligrams per litre	1	0	dry	dry	dry
Lead	milligrams per litre	1	0	dry	dry	dry
Manganese	milligrams per litre	1	0	dry	dry	dry
Mercury	milligrams per litre	1	0	dry	dry	dry
Nickel	milligrams per litre	1	0	dry	dry	dry
pH	pH	1	0	dry	dry	dry
Sulfate	milligrams per litre	1	0	dry	dry	dry
Vanadium	milligrams per litre	1	0	dry	dry	dry
Zinc	milligrams per litre	1	0	dry	dry	dry

Monitoring Point 16

Groundwater monitoring point, Piezometer labelled as "PZH-005" on map titled "Tritton Copper Project Bore Monitoring Locations" submitted to the EPA 25 April 2008 (DOC08/19282).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.002	0.0028	0.003
Barium	milligrams per litre	1	4	0.013	0.0138	0.014
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0001	0.0002	0.0002
Chloride	milligrams per litre	1	4	4250	4440	4780
Chromium	milligrams per litre	1	4	0.001	0.001	0.001
Cobalt	milligrams per litre	1	4	0.001	0.0018	0.003
Conductivity	microsiemens per centimetre	1	4	13100	15000	16500
Copper	milligrams per litre	1	4	0.014	0.019	0.029
Iron	milligrams per litre	1	4	0.05	0.18	0.55
Lead	milligrams per litre	1	4	0.001	0.0023	0.006

Manganese	milligrams per litre	1	4	0.053	0.0863	0.13
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	1	4	0.036	0.0393	0.043
pH	pH	1	4	7.44	7.795	8.22
Sulfate	milligrams per litre	1	4	1220	1250	1270
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.031	0.036	0.043

Monitoring Point 17

Groundwater monitoring point, Piezometer labelled on map "PZH-006" on map titled "Tritton Copper Project Bore Monitoring Locations" submitted to the EPA 25 April 2008 (DOC08/19282).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.0018	0.002
Barium	milligrams per litre	4	4	0.022	0.0233	0.024
Beryllium	milligrams per litre	4	4	0.001	0.001	0.001
Cadmium	milligrams per litre	4	4	0.0001	0.0003	0.0007
Chloride	milligrams per litre	4	4	2430	2520	2610
Chromium	milligrams per litre	4	4	0.001	0.001	0.001
Cobalt	milligrams per litre	4	4	0.007	0.0105	0.018
Conductivity	microsiemens per centimetre	4	4	9080	10285	11300
Copper	milligrams per litre	4	4	0.007	0.0183	0.036
Iron	milligrams per litre	4	4	0.06	0.265	0.48
Lead	milligrams per litre	4	4	0.001	0.002	0.003
Manganese	milligrams per litre	4	4	0.217	0.255	0.36
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001



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Nickel	milligrams per litre	4	4	0.006	0.0063	0.007
pH	pH	4	4	7.23	7.6125	8.13
Sulfate	milligrams per litre	4	4	2100	2160	2300
Vanadium	milligrams per litre	4	4	0.01	0.01	0.01
Zinc	milligrams per litre	4	4	0.03	0.0465	0.077

Monitoring Point 18

Groundwater monitoring point, Piezometer labelled as "PZH-007" on map titled "Tritton Copper Project Bore Monitoring Locations" submitted to the EPA 25 April 2008 (DOC08/19282).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.0018	0.003
Barium	milligrams per litre	4	4	0.067	0.117	0.179
Beryllium	milligrams per litre	4	4	0.001	0.001	0.001
Cadmium	milligrams per litre	4	4	0.0002	0.0009	0.0012
Chloride	milligrams per litre	4	4	2620	2752.5	2990
Chromium	milligrams per litre	4	4	0.001	0.0018	0.004
Cobalt	milligrams per litre	4	4	0.003	0.008	0.014
Conductivity	microsiemens per centimetre	4	4	9640	10455	12100
Copper	milligrams per litre	4	4	0.001	0.0515	0.095
Iron	milligrams per litre	4	4	0.05	0.9225	2.55
Lead	milligrams per litre	4	4	0.001	0.0045	0.01
Manganese	milligrams per litre	4	4	0.149	0.2403	0.364
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	4	4	0.012	0.025	0.036
pH	pH	4	4	7.71	7.78	7.85

Sulfate	milligrams per litre	4	4	1490	1695	2010
Vanadium	milligrams per litre	4	4	0.01	0.01	0.01
Zinc	milligrams per litre	4	4	0.033	0.0915	0.125

Monitoring Point 19

Groundwater monitoring point, Piezometer labelled as "PZH-008" on map titled "Tritton Copper Project Bore Monitoring Locations" submitted to the EPA 25 April 2008 (DOC08/19282).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.003	0.0148	0.032
Barium	milligrams per litre	1	4	0.016	0.0185	0.021
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0001	0.0004	0.0013
Chloride	milligrams per litre	1	4	3660	3872.5	4010
Chromium	milligrams per litre	1	4	0.001	0.0023	0.006
Cobalt	milligrams per litre	1	4	0.001	0.0025	0.007
Conductivity	microsiemens per centimetre	1	4	13100	13575	14000
Copper	milligrams per litre	1	4	0.002	0.028	0.079
Iron	milligrams per litre	1	4	0.05	0.5325	1.42
Lead	milligrams per litre	1	4	0.001	0.001	0.001
Manganese	milligrams per litre	1	4	0.013	0.056	0.099
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	1	4	0.001	0.002	0.004
pH	pH	1	4	7.57	7.64	7.68
Sulfate	milligrams per litre	1	4	1720	1765	1820
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01



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Zinc	milligrams per litre	1	4	0.007	0.045	0.128
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Monitoring Point 20

Groundwater monitoring point, Piezometer labelled as "PZH-009" on map titled "Tritton Copper Project Bore Monitoring Locations" submitted to the EPA 25 April 2008 (DOC08/19282).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.001	0.001	0.001
Barium	milligrams per litre	1	4	0.042	0.0458	0.05
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0008	0.0009	0.0011
Chloride	milligrams per litre	1	4	4770	5005	5120
Chromium	milligrams per litre	1	4	0.001	0.001	0.001
Cobalt	milligrams per litre	1	4	0.001	0.004	0.008
Conductivity	microsiemens per centimetre	1	4	16900	17550	18100
Copper	milligrams per litre	1	4	0.068	0.0773	0.082
Iron	milligrams per litre	1	4	0.05	0.095	0.21
Lead	milligrams per litre	1	4	0.001	0.001	0.001
Manganese	milligrams per litre	1	4	0.095	0.1898	0.25
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	1	4	0.016	0.018	0.02
pH	pH	1	4	7.73	7.895	8.22
Sulfate	milligrams per litre	1	4	2160	2235	2290
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.094	0.107	0.132

Monitoring Point 22

Groundwater monitoring point, Piezometer labelled as "PZH013" on map titled "Plan 4: Tritton Mine Site Proposed Mining Activities" received by the EPA on 17/12/10 (DOC10/57214).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	0	dry	dry	dry
Barium	milligrams per litre	4	0	dry	dry	dry
Beryllium	milligrams per litre	4	0	dry	dry	dry
Cadmium	milligrams per litre	4	0	dry	dry	dry
Chloride	milligrams per litre	4	0	dry	dry	dry
Chromium	milligrams per litre	4	0	dry	dry	dry
Cobalt	milligrams per litre	4	0	dry	dry	dry
Conductivity	microsiemens per centimetre	4	0	dry	dry	dry
Copper	milligrams per litre	4	0	dry	dry	dry
Iron	milligrams per litre	4	0	dry	dry	dry
Lead	milligrams per litre	4	0	dry	dry	dry
Manganese	milligrams per litre	4	0	dry	dry	dry
Mercury	milligrams per litre	4	0	dry	dry	dry
Nickel	milligrams per litre	4	0	dry	dry	dry
pH	pH	4	0	dry	dry	dry
Sulfate	milligrams per litre	4	0	dry	dry	dry
Vanadium	milligrams per litre	4	0	dry	dry	dry
Zinc	milligrams per litre	4	0	dry	dry	dry

Monitoring Point 23

Groundwater monitoring point, Piezometer labelled as "PZH014" on map titled "Map 4: Tritton Mine Site Proposed Mining Activities" received by the EPA on 17/12/10 (DOC1057214).



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Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.001	0.0013	0.002
Barium	milligrams per litre	1	4	0.004	0.0055	0.008
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0002	0.0003	0.0005
Chloride	milligrams per litre	1	4	4080	4312.5	4530
Chromium	milligrams per litre	1	4	0.001	0.0028	0.004
Cobalt	milligrams per litre	1	4	0.001	0.0015	0.003
Conductivity	microsiemens per centimetre	1	4	14200	14825	15400
Copper	milligrams per litre	1	4	0.011	0.0185	0.038
Iron	milligrams per litre	1	4	0.05	0.235	0.43
Lead	milligrams per litre	1	4	0.001	0.0013	0.002
Manganese	milligrams per litre	1	4	0.007	0.013	0.029
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	1	4	0.002	0.004	0.008
pH	pH	1	4	7.61	7.76	8.12
Sulfate	milligrams per litre	1	4	1750	1775	1800
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.014	0.0373	0.1

Monitoring Point 24

Groundwater monitoring point, Piezometer labelled as "PZH015" on map titled "Map 4: Tritton Mine Site Proposed Mining Activities" received by the EPA on 17/12/10 (DOC10/57214).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.001	0.001	0.001
Barium	milligrams per litre	1	4	0.006	0.0085	0.011
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0001	0.0002	0.0005
Chloride	milligrams per litre	1	4	3300	4390	4980
Chromium	milligrams per litre	1	4	0.001	0.0123	0.025
Cobalt	milligrams per litre	1	4	0.001	0.0015	0.003
Conductivity	microsiemens per centimetre	1	4	12400	15675	18100
Copper	milligrams per litre	1	4	0.005	0.0178	0.043
Iron	milligrams per litre	1	4	0.06	0.155	0.25
Lead	milligrams per litre	1	4	0.001	0.0013	0.002
Manganese	milligrams per litre	1	4	0.024	0.029	0.043
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0002
Nickel	milligrams per litre	1	4	0.002	0.0043	0.008
pH	pH	1	4	7.55	7.77	8.19
Sulfate	milligrams per litre	1	4	2000	2487.5	2790
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.005	0.0365	0.112

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Groundwater monitoring point, Piezometer labelled as "PZH017" on TRIM DOC15/9798 submitted to the EPA on 13 Jan 2015.



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Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.001	0.001	0.001
Barium	milligrams per litre	1	4	0.028	0.031	0.035
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0001	0.0001	0.0001
Chloride	milligrams per litre	1	4	3260	4017.5	6040
Chromium	milligrams per litre	1	4	0.001	0.001	0.001
Cobalt	milligrams per litre	1	4	0.001	0.001	0.001
Conductivity	microsiemens per centimetre	1	4	12100	16788	22041
Copper	milligrams per litre	1	4	0.002	0.0035	0.005
Lead	milligrams per litre	1	4	0.001	0.001	0.001
Manganese	milligrams per litre	1	4	0.066	0.075	0.087
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
pH	pH	1	4	7.78	7.87	7.93
Sulfate	milligrams per litre	1	4	799	1152.5	2000
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.005	0.016	0.028

Monitoring Point 26

Groundwater monitoring point, Piezometer labelled as "PZH018" on TRIM DOC15/9798 submitted to the EPA on 13 Jan 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.001	0.001	0.001

Barium	milligrams per litre	1	4	0.03	0.0313	0.032
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0001	0.0001	0.0001
Chloride	milligrams per litre	1	4	7260	7565	8040
Chromium	milligrams per litre	1	4	0.001	0.001	0.001
Cobalt	milligrams per litre	1	4	0.001	0.0015	0.002
Conductivity	microsiemens per centimetre	1	4	24300	25400	25800
Copper	milligrams per litre	1	4	0.002	0.0048	0.007
Lead	milligrams per litre	1	4	0.001	0.001	0.001
Manganese	milligrams per litre	1	4	0.332	0.3635	0.442
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
pH	pH	1	4	7.58	7.74	7.81
Sulfate	milligrams per litre	1	4	2270	2480	2700
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.006	0.0118	0.015

Monitoring Point 27

Groundwater monitoring point, Piezometer labelled as "PZH019" on TRIM DOC15/9798 submitted to the EPA on 13 Jan 2015

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.005	0.01
Barium	milligrams per litre	4	4	0.017	0.0278	0.032
Beryllium	milligrams per litre	4	4	0.001	0.003	0.01
Cadmium	milligrams per litre	4	4	0.0001	0.0003	0.001
Chloride	milligrams per litre	4	4	3840	4925	6070



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Chromium	milligrams per litre	4	4	0.001	0.003	0.01
Cobalt	milligrams per litre	4	4	0.001	0.003	0.01
Conductivity	microsiemens per centimetre	4	4	12400	16800	21200
Copper	milligrams per litre	4	4	0.008	0.0103	0.013
Lead	milligrams per litre	4	4	0.001	0.003	0.01
Manganese	milligrams per litre	4	4	0.028	0.1118	0.242
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0002
pH	pH	4	4	7.42	7.72	7.85
Sulfate	milligrams per litre	4	4	917	1556.8	2010
Vanadium	milligrams per litre	4	4	0.01	0.0325	0.1
Zinc	milligrams per litre	4	4	0.015	0.0305	0.069

Monitoring Point 28

Groundwater monitoring point, Piezometer labelled as "PZH020" on TRIM DOC15/9798 submitted to the EPA on 13 Jan 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	4	0.001	0.001	0.001
Barium	milligrams per litre	1	4	0.001	0.016	0.031
Beryllium	milligrams per litre	1	4	0.001	0.001	0.001
Cadmium	milligrams per litre	1	4	0.0001	0.0001	0.0002
Chloride	milligrams per litre	1	4	694	3888.5	7670
Chromium	milligrams per litre	1	4	0.001	0.001	0.001
Cobalt	milligrams per litre	1	4	0.001	0.0015	0.002
Conductivity	microsiemens per centimetre	1	4	2730	13483	25800
Copper	milligrams per litre	1	4	0.002	0.005	0.01

Lead	milligrams per litre	1	4	0.001	0.001	0.001
Manganese	milligrams per litre	1	4	0.002	0.1153	0.359
Mercury	milligrams per litre	1	4	0.0001	0.0001	0.0001
pH	pH	1	4	7.56	7.69	7.89
Sulfate	milligrams per litre	1	4	232	1156.5	2340
Vanadium	milligrams per litre	1	4	0.01	0.01	0.01
Zinc	milligrams per litre	1	4	0.009	0.0188	0.032

Monitoring Point 29

Groundwater monitoring point, Piezometer labelled as "PZH021" on TRIM DOC15/9798 submitted to the EPA on 13 Jan 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.001	0.001
Barium	milligrams per litre	4	4	0.061	0.064	0.069
Beryllium	milligrams per litre	4	4	0.001	0.001	0.001
Cadmium	milligrams per litre	4	4	0.0001	0.0001	0.0001
Chloride	milligrams per litre	4	4	4370	4522.5	4700
Chromium	milligrams per litre	4	4	0.001	0.001	0.001
Cobalt	milligrams per litre	4	4	0.001	0.001	0.001
Conductivity	microsiemens per centimetre	4	4	16000	16346	16969
Copper	milligrams per litre	4	4	0.001	0.0023	0.003
Lead	milligrams per litre	4	4	0.001	0.001	0.001
Manganese	milligrams per litre	4	4	1.17	1.23	1.29
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001
pH	pH	4	4	7.67	7.72	7.81

Sulfate	milligrams per litre	4	4	1360	1492.5	1600
Vanadium	milligrams per litre	4	4	0.01	0.01	0.01
Zinc	milligrams per litre	4	4	0.005	0.0128	0.03

Monitoring Point 30

Groundwater monitoring point, Piezometer labelled as "PZH022" on TRIM DOC15/9798 submitted to the EPA on 13 Jan 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	0	dry	dry	dry
Barium	milligrams per litre	1	0	dry	dry	dry
Beryllium	milligrams per litre	1	0	dry	dry	dry
Cadmium	milligrams per litre	1	0	dry	dry	dry
Chloride	milligrams per litre	1	0	dry	dry	dry
Chromium	milligrams per litre	1	0	dry	dry	dry
Cobalt	milligrams per litre	1	0	dry	dry	dry
Conductivity	microsiemens per centimetre	1	0	dry	dry	dry
Copper	milligrams per litre	1	0	dry	dry	dry
Lead	milligrams per litre	1	0	dry	dry	dry
Manganese	milligrams per litre	1	0	dry	dry	dry
Mercury	milligrams per litre	1	0	dry	dry	dry
pH	pH	1	0	dry	dry	dry
Sulfate	milligrams per litre	1	0	dry	dry	dry
Vanadium	milligrams per litre	1	0	dry	dry	dry
Zinc	milligrams per litre	1	0	dry	dry	dry

Monitoring Point 31

Groundwater monitoring point, Piezometer labelled as "PZH023" on TRIM DOC15/9798 submitted to the EPA on 13 Jan 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	1	0	dry	dry	dry
Barium	milligrams per litre	1	0	dry	dry	dry
Beryllium	milligrams per litre	1	0	dry	dry	dry
Cadmium	milligrams per litre	1	0	dry	dry	dry
Chloride	milligrams per litre	1	0	dry	dry	dry
Chromium	milligrams per litre	1	0	dry	dry	dry
Cobalt	milligrams per litre	1	0	dry	dry	dry
Conductivity	microsiemens per centimetre	1	0	dry	dry	dry
Copper	milligrams per litre	1	0	dry	dry	dry
Lead	milligrams per litre	1	0	dry	dry	dry
Manganese	milligrams per litre	1	0	dry	dry	dry
Mercury	milligrams per litre	1	0	dry	dry	dry
pH	pH	1	0	dry	dry	dry
Sulfate	milligrams per litre	1	0	dry	dry	dry
Vanadium	milligrams per litre	1	0	dry	dry	dry
Zinc	milligrams per litre	1	0	dry	dry	dry

B3. Volume or Mass Monitoring Summary



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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)?	No
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C2. Details of Non-Compliance with Licence

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
Groundwater monitoring points 15 "PZH-004", 22 "PZH013", 30 "PZH022" and 31 "PZH023" were not sampled
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
16
Date(s) when the non-compliance occurred, if applicable ▼
Cause of non-compliance ▼
Monitoring points were dry thus samples were unable to be collected.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼
N/A
Action taken or that will be taken to prevent a recurrence of the non-compliance ▼
N/A
Uploaded Document Name ▼
Uploaded Document Description ▼

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 ▼		
https://aerisresources.com.au/		
Has the PIRMP been tested?		Yes
The PIRMP was last tested on	30-7-2021	
Has the PIRMP been updated?		No
Number of times the PIRMP was activated in this reporting period?		0
The PIRMP was activated on		

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?		Yes
Do you operate a website?		Yes
Is the pollution monitoring data published on your website in accordance with the EPA's written requirements for publishing pollution monitoring data?		Yes
Address of the web page where the pollution monitoring data can be accessed ▼		
https://aersiresources.com.au/		

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 (at least yearly) environmental audits at the premises that are conducted by a competent and independent person?	No
Have you undertaken an independent environmental audit covering documented environmental practices, procedures and systems in place during the annual return period?	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 at the premises 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 under section 66 of the Protection of the Environment Operations Act 1997 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		Signature	
Name	W.A. WUSCHAGNE	Name	R.A. BROWN

Position	Executive Chairman	Position	CFO
Date	8 / 9 / 2021	Date	8 / 9 / 2021
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.		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.	

