

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 : 4501
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: 31-7-2021 To: 30-7-2022

A2. Premises to which Licence Applies (if applicable)

Common name (if any) : TRITTON COPPER MINE
Premises : BOORAMUGGA ROAD GIRILAMBONE 2831 NSW

A3. Activities to which Licence Applies

Mining for minerals

A4. Other Activities (if applicable)

Chemical Storage Facilities
 Mineral Processing or Metallurgical Works
 Electricity Generating Works
 Sewage Treatment Systems
 Petroleum Works

A5. Fee-Based Activity Classifications

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



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Fee-based activity	Activity scale	Unit of measure
Mining for minerals	> 100,000.00 - 500,000.00	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 2

Groundwater monitoring point, Piezometer labelled as "GIP224" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					



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Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 3

Groundwater monitoring point, Piezometer labelled as "GIP225" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					



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Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 4

Groundwater monitoring point, Piezometer labelled as "GIP234" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					



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Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 5

Groundwater monitoring point, Piezometer labelled as "GIP273" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					



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Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 6

Groundwater monitoring point, Piezometer labelled as "GIP276" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					



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Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 7

Groundwater monitoring point, Piezometer labelled as "GIP274" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					



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Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 8

Groundwater monitoring point, Piezometer labelled as "GIP277" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					



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Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 9

Groundwater monitoring point, Piezometer labelled as "GIP278" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					



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Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 10

Groundwater monitoring point, Piezometer labelled as "GIP279" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					



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Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 11

Groundwater monitoring point, Piezometer labelled as "GIP280A" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					



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Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 12

Groundwater monitoring point, Piezometer labelled as "GIP290" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					



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Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 13

Groundwater monitoring point, Piezometer labelled as "GIP291" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					



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Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 14

Groundwater monitoring point, Piezometer labelled as "GIP292A" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					



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Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 16

Groundwater monitoring point, Piezometer labelled as "GIP292A-S" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					



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Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 17

Groundwater monitoring point, Piezometer labelled as "GIP293" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					



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Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 18

Groundwater monitoring point, Piezometer labelled as "GIP294" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					



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Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 19

Groundwater monitoring point, Piezometer labelled as "GIP295" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					



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pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 20

Groundwater monitoring point, Piezometer labelled as "GIP296" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					



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Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 21

Groundwater monitoring point, Piezometer labelled as "GIP297" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					



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Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 22

Groundwater monitoring point, Piezometer labelled as "GIP298" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					



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Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 23

Groundwater monitoring point, Piezometer labelled as "GIP299" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					



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Zinc	milligrams per litre					
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Monitoring Point 24

Groundwater monitoring point, Piezometer labelled as "GIP300" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					



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Monitoring Point 25

Groundwater monitoring point, Piezometer labelled as "GIP301" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 26

Groundwater monitoring point, Piezometer labelled as "GIP302" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 27



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Groundwater monitoring point, Piezometer labelled as "GIP313" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 26/02/2021 (DOC21/307123-1).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 28

Groundwater monitoring, Monitoring point labelled as "AT001" on map titles "Additional GW monitoring bores for EPL" received by the EPA 29/11/21 for Avoca Tank Project Site (DOC21/1055938).

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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 29

Groundwater Monitoring, Monitoring point labelled as "AT002" on map titles "Additional GW monitoring bores for EPL" received by the EPA 29/11/21 for Avoca Tank Project Site (DOC21/1055938).



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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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 30

Groundwater Monitoring, Monitoring point labelled as "AT003" on map titles "Additional GW monitoring bores for EPL" received by the EPA 29/11/21 for Avoca Tank Project Site (DOC21/1055938).



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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					
Barium	milligrams per litre					
Beryllium	milligrams per litre					
Cadmium	milligrams per litre					
Chloride	milligrams per litre					
Chromium	milligrams per litre					
Cobalt	milligrams per litre					
Conductivity	microsiemens per centimetre					
Copper	milligrams per litre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Manganese	milligrams per litre					
Mercury	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Vanadium	milligrams per litre					
Zinc	milligrams per litre					

Name of the uploaded file containing point data ▼

Girilambone Data Template.xlsx



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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)?	No
---	----

C2. Details of Non-Compliance with Licence

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
The SWL was not sampled manually for Groundwater monitoring point 27 "GIP313" on 12 occasions.
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
12
Date(s) when the non-compliance occurred, if applicable ▼
Cause of non-compliance ▼
Groundwater monitoring point 27 "GIP313" is used as a dewatering bore. It is not possible to manually guage the bore SWL as the pumping infrastructure blocks the void space. The bore does have a data logger however that logs data at 6 hour intervals. This data is presented annually in the site remedial action plan.
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 ▼



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Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
The SWL was not sampled for Groundwater monitoring points 28 "AVT001", 29 "AVT002" and 30 "AVT003" on 6 occasions.
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
18
Date(s) when the non-compliance occurred, if applicable ▼
Cause of non-compliance ▼
Groundwater monitoring points 28 "AVT001", 29 "AVT002" and 30 "AVT003" were added to the licence during the reporting period (late January 2022) therefore compliance with this condition was not possible.
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 ▼

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
Groundwater monitoring points 28 "AVT001", 29 "AVT002" and 30 "AVT003" were not sampled on 7 occasions.
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
21
Date(s) when the non-compliance occurred, if applicable ▼
Cause of non-compliance ▼
Groundwater monitoring points 28 "AVT001", 29 "AVT002" and 30 "AVT003" were added to the licence during the reporting period (late January 2022) therefore compliance with this condition was not possible.



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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 ▼

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
Groundwater monitoring point 16 "GIP292A-S" was not sampled on 11 occasions.
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
11
Date(s) when the non-compliance occurred, if applicable ▼
Cause of non-compliance ▼
Monitoring point 16 "GIP292A-S" was dry on 11 occasions and 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 ▼

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
Groundwater monitoring point 11 "GIP280A" was not sampled on 1 occasion.



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Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
1
Date(s) when the non-compliance occurred, if applicable ▼
Cause of non-compliance ▼
It is unclear why the sample was not collected when required.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼
The non-compliance will not result in adverse effects for the site.
Action taken or that will be taken to prevent a recurrence of the non-compliance ▼
The monitoring schedule and action tracker will be audited against monitoring requirements to ensure compliance.
Uploaded Document Name ▼
Uploaded Document Description ▼

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
The SWL was not sampled for Groundwater monitoring points 23 "GIP299" and 24 "GIP300" on 7 occasions.
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
14
Date(s) when the non-compliance occurred, if applicable ▼
Cause of non-compliance ▼
Changes to sampling frequency resulted in confusion to site staff and SWL's were not collected when required.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼
The non-compliance will not result in adverse effects for the site.
Action taken or that will be taken to prevent a recurrence of the non-compliance ▼
The monitoring schedule will be audited against monitoring requirements to ensure compliance.
Uploaded Document Name ▼



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Uploaded Document Description ▼

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
The SWL was not sampled for Groundwater monitoring points 13 "GIP291", 19 "GIP295", 22 "GIP298" and 25 "GIP301" on 4 occasion.
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 ▼
Changes to sampling frequency resulted in confusion to site staff and SWL's were not collected when required.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼
The non-compliance will not result in adverse effects for the site.
Action taken or that will be taken to prevent a recurrence of the non-compliance ▼
The monitoring schedule will be audited against monitoring requirements to ensure compliance.
Uploaded Document Name ▼
Uploaded Document Description ▼

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
The SWL was not sampled for Groundwater monitoring point 7 "GIP274", 2 occasions.
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
2
Date(s) when the non-compliance occurred, if applicable ▼



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Cause of non-compliance ▼
Changes to sampling frequency resulted in confusion to site staff and SWL's were not collected when required.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼
The non-compliance will not result in adverse effects for the site.
Action taken or that will be taken to prevent a recurrence of the non-compliance ▼
The monitoring schedule will be audited against monitoring requirements to ensure compliance.
Uploaded Document Name ▼
Uploaded Document Description ▼

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
The SWL was not sampled for Groundwater monitoring points 2 "GIP224", 3 "GIP225" and 18 "GIP294" on 6 occasions.
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
36
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 ▼



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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 ▼		
https://www.aerisresources.com.au		
Has the PIRMP been tested?		Yes
The PIRMP was last tested on	28-7-2022	
Has the PIRMP been updated?		Yes
The PIRMP was last updated on	16-8-2021	
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



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Address of the web page where the pollution monitoring data can be accessed ▼

<https://www.aerisresources.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.



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Signature		Signature	
Name	W.A. LABUSCHAGNE	Name	R.A. BRAINSBURY
Position	CHAIRMAN	Position	COMPANY SECRETARY
Date	12 ' 9 ' 22	Date	8 ' 9 ' 22
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.	