

Environment Protection Licence

Licence - 4501

Licence Details

Number:	4501
Anniversary Date:	31-July

Licensee

TRITTON RESOURCES PTY LTD

PO BOX 386

NYNGAN NSW 2825

Premises

TRITTON COPPER MINE

BOORAMUGGA ROAD

GIRILAMBONE NSW 2831

Scheduled Activity

Mining for minerals

Fee Based Activity

Mining for minerals

Scale

> 100000-500000 T annual production capacity

Contact Us

NSW EPA

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10 Darcy Street

PARRAMATTA NSW 2150

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Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).



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The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

TRITTON RESOURCES PTY LTD
PO BOX 386
NYNGAN NSW 2825

subject to the conditions which follow.

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1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Mining for minerals	Mining for minerals	> 100000 - 500000 T annual production capacity

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
TRITTON COPPER MINE
BOORAMUGGA ROAD
GIRILAMBONE
NSW 2831
ML 1383; ML 1280; ML 295 ML A540

A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

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

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A4 Information supplied to the EPA

A4.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
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).
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).
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).
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).

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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).
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).
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).
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).
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).
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).
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).
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).
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).
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).
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).

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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).
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).
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).
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).
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).
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).
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).
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).
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).
27	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).
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).

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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).
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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3 Limit Conditions

L1 Pollution of waters

- L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

4 Operating Conditions

O1 Activities must be carried out in a competent manner

- O1.1 Licensed activities must be carried out in a competent manner.
This includes:
- a) the processing, handling, movement and storage of materials and substances used to carry out the activity;
 - and
 - b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

- O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
- a) must be maintained in a proper and efficient condition; and
 - b) must be operated in a proper and efficient manner.

O3 Dust

- O3.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.
- O3.2 Activities occurring at the premises must be carried out in a manner that will minimise emissions of dust from the premises.

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- O3.3 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

5 Monitoring and Recording Conditions

M1 Monitoring records

- M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.
- M1.2 All records required to be kept by this licence must be:
- in a legible form, or in a form that can readily be reduced to a legible form;
 - kept for at least 4 years after the monitoring or event to which they relate took place; and
 - produced in a legible form to any authorised officer of the EPA who asks to see them.
- M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
- the date(s) on which the sample was taken;
 - the time(s) at which the sample was collected;
 - the point at which the sample was taken; and
 - the name of the person who collected the sample.

M2 Requirement to monitor concentration of pollutants discharged

- M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Water and/ or Land Monitoring Requirements

POINT 2,3,4,5,6,7,8,9,10,11,12,13,14,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30

Pollutant	Units of measure	Frequency	Sampling Method
Standing Water Level	metres	Monthly	In situ

POINT 2,3,5,7,11,13,18,19,22,23,24,25

Pollutant	Units of measure	Frequency	Sampling Method
Arsenic	milligrams per litre	Quarterly	Representative sample
Barium	milligrams per litre	Quarterly	Representative sample
Beryllium	milligrams per litre	Quarterly	Representative sample
Cadmium	milligrams per litre	Quarterly	Representative sample

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Chloride	milligrams per litre	Quarterly	Representative sample
Chromium	milligrams per litre	Quarterly	Representative sample
Cobalt	milligrams per litre	Quarterly	Representative sample
Conductivity	microsiemens per centimetre	Quarterly	Representative sample
Copper	milligrams per litre	Quarterly	Representative sample
Iron	milligrams per litre	Quarterly	Representative sample
Lead	milligrams per litre	Quarterly	Representative sample
Manganese	milligrams per litre	Quarterly	Representative sample
Mercury	milligrams per litre	Quarterly	Representative sample
Nickel	milligrams per litre	Quarterly	Representative sample
pH	pH	Quarterly	Representative sample
Sulfate	milligrams per litre	Quarterly	Representative sample
Vanadium	milligrams per litre	Quarterly	Representative sample
Zinc	milligrams per litre	Quarterly	Representative sample

POINT 4,6,8,9,10

Pollutant	Units of measure	Frequency	Sampling Method
Arsenic	milligrams per litre	Yearly	Representative sample
Barium	milligrams per litre	Yearly	Representative sample
Beryllium	milligrams per litre	Yearly	Representative sample
Cadmium	milligrams per litre	Yearly	Representative sample
Chloride	milligrams per litre	Yearly	Representative sample
Chromium	milligrams per litre	Yearly	Representative sample
Cobalt	milligrams per litre	Yearly	Representative sample
Conductivity	microsiemens per centimetre	Yearly	Representative sample
Copper	milligrams per litre	Yearly	Representative sample
Iron	milligrams per litre	Yearly	Representative sample
Lead	milligrams per litre	Yearly	Representative sample
Manganese	milligrams per litre	Yearly	Representative sample
Mercury	milligrams per litre	Yearly	Representative sample
Nickel	milligrams per litre	Yearly	Representative sample
pH	milligrams per litre	Yearly	Representative sample
Sulfate	milligrams per litre	Yearly	Representative sample
Vanadium	milligrams per litre	Yearly	Representative sample
Zinc	milligrams per litre	Yearly	Representative sample

POINT 12,14,16,17,20,21,26,27,28,29,30

Pollutant	Units of measure	Frequency	Sampling Method
Arsenic	milligrams per litre	Monthly	Representative sample
Barium	milligrams per litre	Monthly	Representative sample
Beryllium	milligrams per litre	Monthly	Representative sample
Cadmium	milligrams per litre	Monthly	Representative sample
Chloride	milligrams per litre	Monthly	Representative sample
Chromium	milligrams per litre	Monthly	Representative sample

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Cobalt	milligrams per litre	Monthly	Representative sample
Conductivity	microsiemens per centimetre	Monthly	Representative sample
Copper	milligrams per litre	Monthly	Representative sample
Iron	milligrams per litre	Monthly	Representative sample
Lead	milligrams per litre	Monthly	Representative sample
Manganese	milligrams per litre	Monthly	Representative sample
Mercury	milligrams per litre	Monthly	Representative sample
Nickel	milligrams per litre	Monthly	Representative sample
pH	pH	Monthly	Representative sample
Sulfate	milligrams per litre	Monthly	Representative sample
Vanadium	milligrams per litre	Monthly	Representative sample
Zinc	milligrams per litre	Monthly	Representative sample

M3 Testing methods - concentration limits

M3.1 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Recording of pollution complaints

M4.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M4.2 The record must include details of the following:

- a) the date and time of the complaint;
- b) the method by which the complaint was made;
- c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
- d) the nature of the complaint;
- e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M5 Telephone complaints line

M5.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

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M5.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M5.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

R1.3 Where this licence is transferred from the licensee to a new licensee:

- a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
- b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:

- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
- b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints

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Summary must be signed by:

- a) the licence holder; or
- b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which they became aware of the incident.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:

- a) where this licence applies to premises, an event has occurred at the premises; or
 - b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
- and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:

- a) the cause, time and duration of the event;
- b) the type, volume and concentration of every pollutant discharged as a result of the event;
- c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
- d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
- e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
- f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
- g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not

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satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

- R3.5 The licensee must report any deaths or injury (including drowning and bogging) on or associated with the leach pads or impoundments associated with the processing of copper to the Dubbo Office of the EPA within on working day of the event. Any telephone report must be confirmed by letter or facsimile within five working days.

7 General Conditions

G1 Copy of licence kept at the premises or plant

- G1.1 A copy of this licence must be kept at the premises to which the licence applies.
- G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

G2 Contact number for incidents and responsible employees

- G2.1 The licensee must operate 24-hour telephone contact lines for the purposes of enabling the EPA to directly contact one or more representatives of the licensee who can:
- (a) respond at all times to incidents relating to the premises; and
 - (b) to contact the licensee's senior employees or agents authorised at all times to:
 - (i) speak on behalf of the licensee; and
 - (ii) provide any information or document required under the licence.
- G2.2 The contact details required by Condition G2.1 above must include:
- a) the full name and title of the authorised representatives; and
 - b) the direct telephone number, mobile number and email address for contacting each authorised representative.
- G2.3 The licensee must inform the EPA in writing of the appointment of any subsequent contact persons, or changes to the person's contact details as soon as practicable and in any event within fourteen days of the appointment or change.

G3 Signage

- G3.1 Each monitoring and discharge point must be clearly marked by a sign that indicates the EPA point identification number.

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8 Pollution Studies and Reduction Programs

U1 Pond A Water Management Plan

U1.1 The Licensee must engage a suitably qualified and experienced person(s) to prepare a "Pond A - Water Management Plan:" (the Plan). The Plan must include:

1. a water balance for the containment water management system that must include, but not be limited to:
 - i) all water inputs (eg direct rainfall, runoff, groundwater inflows, transfers, overflows) and outputs from the pits (eg evaporation, reuse, transfers, discharges, seepage) with a focus on water levels in Pond A;
 - ii) data from accurate local metering eg transfers, pond water levels and evaporation;
 - iii) an assessment of the frequency of Pond A filling to a similarly high level under different possible near-term climate patterns and water management options;
 - iv) as estimate of the timeframe over which the storage could be emptied and water levels managed to facilitate repair works;
 - v) as assessment of potential losses from the dam that may be occurring above expected losses from evaporation or transfer and a basis for detecting these losses;
 - vi) confirmation that the sizing of the contaminated water storage and management system is consistent with the consented requirements of a nil discharge site and containment of runoff from a 100-year, 72-hour storm event;
 - vii) modelling based on a suitable, long-term dataset from a nearby meteorological station and (where possible) accounts for climate change influences; and
 - viii) justifications for key model assumptions.

2. a Trigger Action Response Plan (TARP) that:

- i) defines an interim "safe" operating water level and demonstrates how that water level will be maintained; and
- ii) includes specific criteria and management actions for:
 - * managing any further seepage events
 - * interim water level management measures to keep the dam below a defined "safe" operating level
 - * pond dewatering and repair options

U1.2 The Licensee must submit the Pond A Water Management Plan required by Condition U1.1 by 29 February 2024 to the EPA at info@epa.nsw.gov.au

U1.3 The Licensee must regularly monitor (until Pond A emptied) the water levels in Pond A and report monthly to the EPA on observations to ensure continuous seepage is not the contributing factor to the reduction in water levels.

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- U1.4 The Licensee must conduct monthly groundwater quality monitoring both on and off-site in order to detect any changes in quality which may suggest seepage entering the groundwater. The monthly sampling must include groundwater monitoring bore GIP310, EPA Bore ID 2 (GIP224) and EPA Bore ID 18 (GIP294).
- U1.5 The Licensee must submit the monthly monitoring and sampling required by Condition U1.3 and U1.4 to the EPA at info@epa.nsw.gov.au

U2 Structural Review of Pond A

- U2.1 By 30 September 2023 the Licensee must engage a suitably qualified Engineer to undertake a structural and maintenance inspection of the Process water dams that includes and is not limited to:
1. The physical condition of the dam
 2. A review of the hazard category of the dam
 3. comment on the operation and Maintenance of the dam
 4. A review of performance as indicated by operational and surveillance data.
 5. An evaluation of and interpretation of the structural performance of the dams
 6. Identify the need for any remedial actions.
 7. Flood handling Capability of the dam
 8. A statement on the adequacy of the dam safety programme
 9. A statement about the assessed safety of the dams against current standards.
- U2.2 By 31 October 2023 the licensee must supply a report to the EPA as completed by the Engineer

9 Special Conditions

E1 Heap Leach Pad Remediation Trial

- E1.1 The licensee is permitted to undertake a Heap Leach Pad Remediation Trial (Trial) at the premises. The Trial must be conducted in accordance with:
- a) the letter provided to the EPA on 22 February 2021 and accompanying document titled "Management Plan - Heap leach pad remediation trial - Girilambone Cooper Mine" prepared by RGS Environmental Pty Ltd dated 22 February 2021; and
 - b) the additional letter provided to the EPA on 29 July 2021 insofar as it relates to the operation of the Trial. Where any conflict exists between the abovementioned documents, the most stringent requirements apply.
- E1.2 The licensee must immediately notify the EPA in writing via email at info@epa.nsw.gov.au at the commencement of the Trial.
- E1.3 The licensee must cease the Heap Leach Pad Remediation Trial by 31 December 2023.
- E1.4 The licensee must implement appropriate monitoring of the Trial to determine its success against any relevant metric or outcome identified in the documentation outlined at condition E1.1 of this licence and provide the following reports to the EPA in writing via email at info@epa.nsw.gov.au:

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- a) "6 monthly report" received no later than 30 June 2023 that outlines progress against relevant metrics and outcomes and a summary of any monitoring results and an interpretation of these results; and
- b) "Final report" received no later than 29 February 2024 that provides detailed findings of the Trial's progress against relevant metrics and outcomes and includes all raw monitoring results, a summary of all monitoring results, an interpretation of these results, a discussion of the outcomes and a position in respect of any future rehabilitation activities related to the outcomes of the Trial.

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non-putrescible), special waste or hazardous waste
Wellhead	Has the same meaning as in Schedule 1 to the Protection of the Environment Operations (General) Regulation 2021.

Mr Darryl Clift

Environment Protection Authority

(By Delegation)

Date of this edition: 13-December-1999

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End Notes

- 1 Licence varied by notice 1005033, issued on 19-Mar-2001, which came into effect on 13-Apr-2001.
- 2 Licence varied by notice 1009230, issued on 28-Jun-2001, which came into effect on 28-Jun-2001.
- 3 Licence varied by notice 1025561, issued on 07-Apr-2003, which came into effect on 07-Apr-2003.
- 4 Licence transferred through application 142986, approved on 05-Oct-2004, which came into effect on 01-Oct-2004.
- 5 Licence varied by notice 1076630, issued on 23-Oct-2007, which came into effect on 23-Oct-2007.
- 6 Licence varied by notice 1080706, issued on 30-Nov-2007, which came into effect on 30-Nov-2007.
- 7 Licence varied by notice 1082966, issued on 22-Feb-2008, which came into effect on 22-Feb-2008.
- 8 Licence varied by notice 1086258, issued on 12-Jun-2008, which came into effect on 12-Jun-2008.
- 9 Licence varied by notice 1090782, issued on 07-Oct-2008, which came into effect on 07-Oct-2008.
- 10 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 11 Licence varied by notice 1100785, issued on 02-Jul-2009, which came into effect on 02-Jul-2009.
- 12 Licence varied by notice 1108108, issued on 11-Nov-2009, which came into effect on 11-Nov-2009.
- 13 Licence varied by notice 1120190, issued on 05-Oct-2010, which came into effect on 05-Oct-2010.
- 14 Licence varied by notice 1501865 issued on 15-Feb-2012
- 15 Licence varied by notice 1508897 issued on 19-Oct-2012
- 16 Licence varied by notice 1513389 issued on 11-Apr-2013
- 17 Licence varied by notice 1549721 issued on 28-Feb-2017
- 18 Licence varied by notice 1555372 issued on 07-Nov-2017
- 19 Licence varied by notice 1563749 issued on 11-May-2018
- 20 Licence varied by notice 1571038 issued on 30-Nov-2018
- 21 Licence varied by notice 1576041 issued on 15-Feb-2019



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22	Licence varied by notice	1605098 issued on 25-Aug-2021
23	Licence varied by notice	1614920 issued on 25-Jan-2022
24	Licence format updated on	08-Jul-2022
25	Licence varied by notice	1625728 issued on 01-Feb-2023
26	Licence varied by notice	1631301 issued on 24-Aug-2023
27	Licence varied by notice	1632307 issued on 15-Sep-2023