

# Permit

*Environmental Protection Act 1994*

## Environmental authority EPML00335713

*This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.*

**Environmental authority number: EPML00335713**

**Environmental authority takes effect on 17 June 2022.**

*The anniversary date of this environmental authority is the same day each year and remains 27 May. The payment of the annual fee will be due each year on this day.*

*An annual return will be due each year on 01 April.*

### Environmental authority holder(s)

| Name(s)                   | Registered address                                                    |
|---------------------------|-----------------------------------------------------------------------|
| NEW ACLAND COAL PTY. LTD. | New Hope Group<br>Level 16/175 Eagle Street<br>BRISBANE CITY QLD 4000 |

### Environmentally relevant activity and location details

| Environmentally relevant activity/activities                                                                                                         | Location(s)        |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Schedule 3 - 13 - Mining black coal                                                                                                                  | ML50170<br>ML50216 |
| Ancillary 31 - Mineral processing - 2(b) - Processing, in a year, the following quantities of mineral products, other than coke - more than 100,000t | ML50170<br>ML50216 |

### Additional information for applicants

#### Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

#### Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days)

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website [www.qld.gov.au](http://www.qld.gov.au), using the search term 'duty to notify'.

#### Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

- a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority - on the nominated day; or
- b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
- c) otherwise on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

The anniversary day of this environmental authority is the same day each year as the original take effect date unless you apply to change the anniversary day. The payment of the annual fee will be due each year on this day. An annual return will be due each year on 01 April.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.

#### **Ben Byrd**

Department of Environment and Science  
Delegate of the administering authority  
*Environmental Protection Act 1994*

**Date Issued: 17 June 2022**

#### **Enquiries:**

Business Centre Coal  
PO Box 3028, EMERALD QLD 4720  
Phone: (07) 4987 9320  
Email: CRMining@des.qld.gov.au

Privacy statement

Pursuant to section 540 of the EP Act, the Department is required to maintain a register of certain documents and information authorised under the EP Act. A copy of this document will be kept on the public register. The register is available for inspection by members of the public who are able take extracts, or copies of the documents from the register. Documents that are required to be kept on the register are published in their entirety, unless alteration is required by the EP Act. There is no general discretion allowing the Department to withhold documents or information required to be kept on the public register. For more information on the Department's public register, search 'public register' at [www.qld.gov.au](http://www.qld.gov.au). For queries about privacy matters please email [privacy@des.qld.gov.au](mailto:privacy@des.qld.gov.au) or telephone 13 74 68.

**Obligations under the *Environmental Protection Act 1994***

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

**Other permits required**

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Resources (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

| Schedule A: General                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number                                          | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A1                                                        | This environmental authority authorises environmental harm referred to in the conditions. Where there is no condition or this environmental authority is silent on a matter, the lack of a condition or silence does not authorise environmental harm.                                                                                                                                                                                                                                                                                                                                                                  |
| Maintenance of measures, plant, and equipment             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| A2                                                        | <p>The environmental authority holder must:</p> <ul style="list-style-type: none"> <li>a) install all measures, plant, and equipment necessary to ensure compliance with the conditions of this environmental authority; and</li> <li>b) maintain such measures, plant, and equipment in a proper and efficient condition;</li> <li>c) operate such measures, plant, and equipment in a proper and efficient manner; and</li> <li>d) ensure all instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority are properly calibrated.</li> </ul> |
| Monitoring                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| A3                                                        | The environmental authority holder must record, compile, and keep for a minimum of five years all monitoring results required by this environmental authority and make available for inspection all or any of these records upon request by the administering authority.                                                                                                                                                                                                                                                                                                                                                |
| A4                                                        | Where monitoring is a requirement of this environmental authority, ensure that all monitoring required under a condition of this environmental authority is performed by a suitably qualified person(s).                                                                                                                                                                                                                                                                                                                                                                                                                |
| A5                                                        | All monitoring and research data, collected for the purpose of demonstrating compliance with this environmental authority, must be collated, and maintained in a central location, such that the data are accessible on request by the administering authority.                                                                                                                                                                                                                                                                                                                                                         |
| A6                                                        | A monitoring program which includes monitoring locations, frequency, parameters, monitoring techniques and quality assurance protocols must be developed, implemented and made available to the administering authority on request. .                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage and handling of flammable and combustible liquids |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| A7                                                        | Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS1940 - Storage and Handling of Flammable and Combustible Liquids (current edition).                                                                                                                                                                                                                                                                                                 |
| A8                                                        | The base and walls of all bunded areas must be maintained free from gaps or cracks that may result in the loss of containment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Schedule B: Air                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Condition number                  | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Dust Nuisance</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>B1</b>                         | Subject to <b>Conditions B2</b> and <b>B3</b> the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance at any sensitive place.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>B2</b>                         | When requested by the administering authority, dust and particulate monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer) of environmental nuisance at any sensitive place, and the results must be notified within <b>fourteen (14) days</b> to the administering authority following completion of monitoring.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Dust Deposition Monitoring</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>B3</b>                         | <p>If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of <b>Condition B1</b>:</p> <ul style="list-style-type: none"> <li>(a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and</li> <li>(b) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM<sub>10</sub>) suspended in the atmosphere of 150 micrograms per cubic metre over a 24-hour averaging time, at a sensitive place downwind of the operational land, when monitored in accordance with: <ul style="list-style-type: none"> <li>i. Particulate matter - Determination of suspended particulate PM<sub>10</sub> high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM<sub>10</sub> high volume sampler with size-selective inlet - Gravimetric method of 1990; or</li> <li>ii. any alternative method of sampling PM<sub>10</sub>, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.</li> </ul> </li> </ul> <p>NOTE: You must propose which monitoring method is appropriate in accordance with <b>Condition B3(a)</b> or <b>B3(b)</b> or both.</p> |
| <b>B4</b>                         | <p>If monitoring indicates exceedance of the relevant limits in <b>Condition B3</b>, then the environmental authority holder must:</p> <ul style="list-style-type: none"> <li>a) address the complaint including the use of appropriate dispute resolution if required; or</li> <li>b) as soon as practicable or at the request of the administering authority, implement dust abatement measures so that emissions of dust from the activity do not result in further environmental nuisance.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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| <b>B5</b>             | Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>B6</b>             | Dust emissions from mining activities must be suppressed using water or treated in any other suitable manner to prevent a dust nuisance at a sensitive place.                                                                                                                                                                                                                                                                                                                                                                |
| <b>B7</b>             | All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>B8</b>             | Trafficable areas must be sealed with bitumen or an equivalent hard surface, or otherwise maintained to the satisfaction of the administering authority, in a condition which minimises the release of wind-blown or traffic generated dust.                                                                                                                                                                                                                                                                                 |
| <b>B9</b>             | Temporary roads used for material haulage must be watered or treated in any other suitable manner, to minimise wind-blown or traffic generated dust.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Odour Nuisance</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>B10</b>            | Subject to <b>Condition B11</b> , the release of noxious or offensive odour(s) or any other noxious or offensive airborne contaminant(s) resulting from the mining activity must not cause an environmental nuisance at any sensitive or commercial place.                                                                                                                                                                                                                                                                   |
| <b>B11</b>            | When requested by the administering authority, odour monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer) of environmental nuisance at any sensitive or commercial place, and the results must be notified within <b>fourteen (14) days</b> to the administering authority following completion of monitoring. |
| <b>B12</b>            | If monitoring indicates <b>Condition B10</b> is not being met, the environmental authority holder must: <ul style="list-style-type: none"> <li>a) address the complaint including the use of appropriate dispute resolution if required; or</li> <li>b) immediately implement odour abatement measures so that emissions of odour from the activity do not result in further environmental nuisance.</li> </ul>                                                                                                              |

| Schedule C: Water     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Condition number      | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>C1</b>             | Contaminants that will or have the potential to cause environmental harm must not be released directly or indirectly to any waters as a result of the authorised mining activities, except as permitted under the conditions of this environmental authority.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Water Management Plan |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>C2</b>             | <p>A Water Management Plan must be developed by <b>21 November 2019</b> and implemented. The Plan must identify methods to:</p> <ul style="list-style-type: none"> <li>a) identify the environmental values and water quality objectives of the receiving waters including Lagoon and Spring Creek, and how they will be protected;</li> <li>b) incorporate a risk management approach to how changing levels of flood, drought and water quality risks should be addressed;</li> <li>c) manage stormwater discharge;</li> <li>d) develop and implement a system for emergency spills or discharges including procedures to minimise extent and duration of release, staff training, investigation and reporting procedures;</li> <li>e) manage the environmental impacts of any release of wastewater to the environment so that any impacts are minimised including restricting any discharge to waters to occasions where there is flow in receiving waters to provide dilution;</li> <li>f) separate clean water from undisturbed areas and water from disturbed areas;</li> <li>g) manage site water quality and quantity during the three (3) phases of mining: development, operation and decommissioning and include a site water balance including groundwater generated through mine dewatering;</li> <li>h) safeguard against the potential for soil erosion and acid drainage; and</li> <li>i) provide details of operational monitoring and monitoring of hydrological processes including associated performance indicators.</li> </ul> |
| <b>C3</b>             | A copy of the Water Management Plan and any subsequent amendment of the plan must be kept at the place to which this environmentally relevant activity relates and be available for examination by an authorised person on request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Release to Waters     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>C4</b>             | Contaminants must not be released from the mine to any waters or the bed and banks of any waters other than treated/settled stormwater from environmental dam(s) that is in accordance with the contaminant release limits in <b>Schedule C – Table 1</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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| <b>C5</b> | Monitoring of contaminant releases must be undertaken at the monitoring point and frequency identified in <b>Schedule C – Table 2</b> and comply with the quality characteristics specified in <b>Schedule C – Table 1</b> . |
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| Schedule C - Table 1: End of Pipe contaminant release limits |       |         |         |
|--------------------------------------------------------------|-------|---------|---------|
| Parameter                                                    | Units | Minimum | Maximum |
| pH                                                           |       | 6.0     | 9.0     |
| Electrical Conductivity                                      | µS/cm | -       | 1500    |
| Total Suspended Solids                                       | mg/L  | -       | 100     |

| Schedule C: Water (Cont'd). |                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number            | Condition                                                                                                                                                                                                                                         |
| <b>C6</b>                   | Receiving environment water monitoring must be undertaken at locations and frequencies prescribed in <b>Schedule C – Table 3</b> and any mining activity release must comply with the contaminant limits defined in <b>Schedule C – Table 1</b> . |

| Schedule C - Table 2: End of pipe monitoring locations and frequency                                                                        |                       |                         |                                                                                                                                        |                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Release point                                                                                                                               | Latitude<br>(GDA 94)  | Longitude<br>(GDA 94)   | Monitoring<br>Frequency                                                                                                                | Monitoring<br>parameters                                                                                                                                                  |
| ED1 - Overflow point<br>from Environmental<br>Dam 1                                                                                         | 27° 15'<br>39.63516"S | 151° 41'<br>47.71021" E | As soon as<br>practical prior to,<br>at least daily<br>during and<br>immediately after<br>any release to<br>waters from this<br>point. | pH, total suspended<br>solids (mg/L), electrical<br>conductivity (µS/cm),<br>sulphate (SO <sub>4</sub> ) (mg/L),<br>time of day, water<br>temperature, flow rate<br>(m/s) |
| ED2 - Overflow point<br>from Environmental<br>Dam 2 <sup>1</sup>                                                                            | 27° 16'<br>54.59456"S | 151° 41'<br>36.14635"E  | As soon as<br>practical prior to,<br>at least daily<br>during and<br>immediately after<br>any release to<br>waters from this<br>point. |                                                                                                                                                                           |
| ED3 - Overflow point<br>from Environmental<br>Dam 3                                                                                         | 27° 18'<br>29.86677"S | 151° 43'<br>03.04606" E | As soon as<br>practical prior to,<br>at least daily<br>during and<br>immediately after<br>any release to<br>waters from this<br>point. |                                                                                                                                                                           |
| ED4    Overflow point<br>from Environmental<br>Dam 4                                                                                        | 27° 17'<br>38.43301"S | 151° 41'<br>29.26048" E | As soon as<br>practical prior to,<br>at least daily<br>during and<br>immediately after<br>any release to<br>waters from this<br>point. |                                                                                                                                                                           |
| Note: This does not apply to dams containing hazardous waste.                                                                               |                       |                         |                                                                                                                                        |                                                                                                                                                                           |
| Note: Monitoring of receiving waters for discharges from Environmental Dams will be undertaken using Rising Stage Samplers where practical. |                       |                         |                                                                                                                                        |                                                                                                                                                                           |
| <sup>1</sup> Environmental Dam 2 was mined out in 2018, the overflow point will be reconstructed if the dam is reinstated.                  |                       |                         |                                                                                                                                        |                                                                                                                                                                           |

| Schedule C - Table 3: Receiving Water Monitoring Locations and Frequency                                                                                                                                                                                                                                                                                      |                           |                       |                                                                                                                                    |                                                                                                                                                         |
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| Monitoring Point                                                                                                                                                                                                                                                                                                                                              | Latitude<br>(GDA 94)      | Longitude<br>(GDA 94) | Monitoring<br>Frequency                                                                                                            | Monitoring<br>parameters                                                                                                                                |
| Lagoon Creek at a point upstream of mine (LCU1)                                                                                                                                                                                                                                                                                                               | 27° 17' 9.7728" S         | 151° 44' 23.136" E    | At least once every 6 months and as soon as practical prior to, at least daily during and immediately after any release to waters. | pH, total suspended solids (mg/L), electrical conductivity (µS/cm), sulphate (SO <sub>4</sub> ) (mg/L), time of day, water temperature, flow rate (m/s) |
| Lagoon Creek at two points downstream of mine (LCD1 & LCD2)                                                                                                                                                                                                                                                                                                   | LCD1:<br>27° 18' 35.64" S | 151° 43' 4.3536" E    | At least once every 6 months and as soon as practical prior to, at least daily during and immediately after any release to waters. | pH, total suspended solids (mg/L), electrical conductivity (µS/cm), sulphate (SO <sub>4</sub> ) (mg/L), time of day, water temperature, flow rate (m/s) |
|                                                                                                                                                                                                                                                                                                                                                               | LCD2:<br>27° 18' 37.36" S | 151° 43' 1.8768" E    |                                                                                                                                    |                                                                                                                                                         |
| Spring Creek at a point upstream of mine (SCU1)                                                                                                                                                                                                                                                                                                               | 27° 14' 18.7728" S        | 151° 41' 31.2864" E   | At least once every 6 months and as soon as practical prior to, at least daily during and immediately after any release to waters. | pH, total suspended solids (mg/L), electrical conductivity (µS/cm), sulphate (SO <sub>4</sub> ) (mg/L), time of day, water temperature, flow rate (m/s) |
| Spring Creek at a point downstream of mine (SCD1)                                                                                                                                                                                                                                                                                                             | 27° 14' 47.364" S         | 151° 40' 36.2028" E   | At least once every 6 months and as soon as practical prior to, at least daily during and immediately after any release to waters. | pH, total suspended solids (mg/L), electrical conductivity (µS/cm), sulphate (SO <sub>4</sub> ) (mg/L), time of day, water temperature, flow rate (m/s) |
| Downstream of Environmental Dam 2 and Environmental Dam 4 (AW20)                                                                                                                                                                                                                                                                                              | 27° 17' 46.1228" S        | 151° 41' 16.0147" E   | At least once every 6 months and as soon as practical prior to, at least daily during and immediately after any release to waters. | pH, total suspended solids (mg/L), electrical conductivity (µS/cm), sulphate (SO <sub>4</sub> ) (mg/L), time of day, water temperature, flow rate (m/s) |
| <p>Note 1: A monitoring point may also include a monitoring point requested by the administering authority in the event of release to waters.</p> <p>Note 2: LCD1 is approximately 70 m downstream of road (site AW4) and LCD2 is approximately 50m downstream of LCD1.</p> <p>Note 3: Receiving water monitoring points are shown on Schedule K - Map 1.</p> |                           |                       |                                                                                                                                    |                                                                                                                                                         |

| Schedule C - Table 4: Storage design <sup>1</sup> for dams containing hazardous waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                           |                                                |                                                  |
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| Dam Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Design Storage Allowance <sup>2</sup><br>Critical Wet Period              | Spillway<br>Critical Design Storm <sup>3</sup> | Mandatory <sup>4</sup><br>Reporting Level        |
| Tailings Storage Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.1 AEP 4-month wet season plus process inputs for the 4-month wet season | 0.001 AEP                                      | 0.01 AEP                                         |
| Environmental Dam 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (Not Applicable <sup>5</sup> )                                            | 0.001 AEP                                      | 0.6 metres below the spillway crest <sup>6</sup> |
| In-pit Tailings Storage Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.1 AEP 4-month wet season plus process inputs for the 4-month wet season | 0.001 AEP                                      | 0.01 AEP                                         |
| <p>NOTE: AEP means Annual Exceedance Probability.</p> <ol style="list-style-type: none"> <li>Calculations are to be carried out in accordance with the "Site Water Management" guideline in the Technical Guidelines for Environmental Management of Exploration and Mining in Queensland – DME 1995.</li> <li>The design storage allowance on 1st November of each year for any dam containing hazardous waste constructed within the operational land must be equivalent to the run-off from the critical wet period plus process inputs for the period. Process inputs refers to hazardous process waste and any water, which is being disposed of in the storage facility.</li> <li>The critical storm has a duration that produces the peak discharge for the catchment</li> <li>The level below spillway crest that can accommodate runoff from a 72-hour AEP storm, or the AEP wave allowance whichever level is lower.</li> <li>The requirement for a design storage allowance for Environmental Dam 2 was removed by the administering authority following discussions with the project proponent on 22 August 2006.</li> <li>This reporting level was nominated by the administering authority following discussions with the project proponent on 22 August 2006.</li> </ol> |                                                                           |                                                |                                                  |

| Schedule C: Water (Cont'd).                 |                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Condition number                            | Condition                                                                                                                                                                                                                                                                                                                                                                                            |
| Capacity of Tailings and Process Water Dams |                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>C7</b>                                   | The design storage allowance on 1st November of each year for any dam containing hazardous waste constructed or operated within the operational land must comply with <b>Schedule C - Table 4</b> .                                                                                                                                                                                                  |
| <b>C8</b>                                   | The spillway for any dam containing hazardous waste, constructed within the operational land must be designed and maintained to withstand the peak flow from the spillway critical design storm in <b>Schedule C – Table 4</b> .                                                                                                                                                                     |
| <b>C9</b>                                   | The environmental authority holder must mark the mandatory reporting level defined in Schedule C – Table 4 on the spillway of all dams containing hazardous waste within the operational land.                                                                                                                                                                                                       |
| <b>C10</b>                                  | The environmental authority holder must notify the administering authority when the pondage level of the dam containing hazardous waste reaches the mandatory reporting level defined in Schedule C – Table 4.                                                                                                                                                                                       |
| <b>C11</b>                                  | The environmental authority holder must implement measures to prevent access to any dams containing hazardous waste by all livestock and minimise access by native fauna.                                                                                                                                                                                                                            |
| <b>C12</b>                                  | The base and walls of the Tailings Storage Facility and environmental dams must be constructed, installed and maintained: <ul style="list-style-type: none"> <li>(i) so as to minimise the likelihood of a release of contaminants through the bed or banks of the dam to any waters (including groundwater); and</li> <li>(ii) so as to ensure the stability of the dam(s) construction.</li> </ul> |
| <b>C13</b>                                  | Construction of sediment dams other than any dams in the final rehabilitation landform must not occur on out of pit spoil dumps.                                                                                                                                                                                                                                                                     |
| <b>C14</b>                                  | Before construction of any dam containing hazardous waste, a person suitably qualified and experienced in dam engineering must: (a) prepare design plans which design the dam to an appropriate engineering standard; and (b) certify that the design plans meet an appropriate engineering standard and are consistent with the conditions in the environmental authority.                          |
| <b>C15</b>                                  | Before construction of a dam containing hazardous waste, the environmental authority holder for the dam must submit the certified design plans to the administering authority, for review and comment.                                                                                                                                                                                               |

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| <b>C16</b>         | When the construction of the dam containing hazardous waste is complete, environmental authority holder must: (a) obtain certification from a person suitably qualified and experienced in dam construction that the construction of the dam is either in accordance with or generally in accordance with the certified design plans; and (b) submit the construction certification to the administering authority.                                                                                                                                                                                                               |
| <b>C17</b>         | The environmental authority holder must construct and operate the dam in accordance with the certified: (a) design plans; (b) operational plans; and (c) conditions contained in the environmental authority, in order to prevent or minimise environmental harm.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Groundwater</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>C18</b>         | Contaminants must not be released, directly or indirectly, to groundwater.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>C19</b>         | The location of monitoring bores must take into consideration the location of any voids, Tailings Storage Facilities, hazardous waste rock dumps, heap leach pads, location and depth of aquifers and hydro geological factors within the host rocks which may allow the movement of hazardous contaminants.                                                                                                                                                                                                                                                                                                                      |
| <b>C20</b>         | Groundwater quality must be monitored every <b>six (6) months</b> at the locations defined in <b>Schedule C – Table 5: Groundwater Monitoring Bores</b> for quality characteristics identified in <b>Schedule C – Table 6: Groundwater limits</b> .                                                                                                                                                                                                                                                                                                                                                                               |
| <b>C21</b>         | For new monitoring bores identified in <b>Schedule C – Table 5: Groundwater Monitoring Bores</b> , groundwater quality must be monitored <b>every three (3) months</b> until <b>twelve (12) monitoring events</b> have been completed for quality characteristics identified in <b>Schedule C – Table 6: Groundwater limits</b> .                                                                                                                                                                                                                                                                                                 |
| <b>C22</b>         | <p>If the contaminant limits specified in <b>Schedule C - Table 6: Groundwater limits</b> are exceeded at any time at any compliance bore, groundwater quality monitoring as per condition <b>C20</b> must occur every <b>three (3) months</b>, until such time as no limits have been exceeded on <b>three (3)</b> consecutive three-monthly monitoring events.</p> <p><i>Note: Groundwater monitoring can recommence at <b>six (6) monthly</b> intervals once three consecutive three-monthly monitoring events compliant with the limits set under <b>Schedule C - Table 6: Groundwater Limits</b> have been achieved.</i></p> |
| <b>C23</b>         | Standing groundwater levels must be monitored <b>monthly</b> at the locations defined in <b>Schedule C – Table 5: Groundwater Monitoring Bores</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>C24</b>         | Results of groundwater quality monitoring, conducted in accordance with condition <b>C20</b> , condition <b>C21</b> and condition <b>C22</b> , must not be exceeded at the same monitoring bore on <b>three (3)</b> consecutive monitoring events for any single contaminant limit specified in <b>Schedule C - Table 6: Groundwater Limits</b> .                                                                                                                                                                                                                                                                                 |
| <b>C25</b>         | If the contaminant limits specified in <b>Schedule C - Table 6: Groundwater Limits</b> are exceeded on <b>three (3)</b> consecutive occasions, the environmental authority holder must notify the administering authority within <b>twenty-four (24) hours</b> of receiving the results.                                                                                                                                                                                                                                                                                                                                          |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>C26</b> | Compliance bore groundwater levels, monitored under <b>Condition C23</b> , must be compared with two interpretation bores within the same aquifer, as defined in <b>Schedule C – Table 5</b> . The difference in variation of drawdown from compliance bores compared to the variation in drawdown from interpretation bores within any <b>one (1) month</b> sampling period must be no greater than <b>one (1) metre</b> .                                                                                                                                                                                                                                                                                                                                                        |
| <b>C27</b> | Where a difference of more than <b>one (1) metre</b> is identified under <b>Condition C26</b> , the administering authority must be notified within <b>fourteen (14) days</b> of the conduct of the monitoring under <b>Condition C23</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>C28</b> | <p>If an exceedance is determined under <b>Condition C24</b> or a difference of <b>one (1) metre</b> is identified in <b>Condition C26</b>, at any monitoring bore:</p> <ul style="list-style-type: none"> <li>(a) an investigation must be completed and a written report provided to the administering authority within sixty (60) days of becoming aware of the exceedance or difference; and</li> <li>(b) the report must include a determination of whether the exceedance or difference is caused by: <ul style="list-style-type: none"> <li>(i) mining activities authorised under this environmental authority; or</li> <li>(ii) natural variation; or</li> <li>(iii) neighbouring land use resulting in groundwater impacts.</li> </ul> </li> </ul>                       |
| <b>C29</b> | If the investigation under <b>Condition C28</b> determines that the exceedance was a result of the mining activities, including rehabilitation, authorised under this environmental authority, then further investigation must be undertaken to establish whether environmental harm has occurred or may occur, and the extent thereof.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>C30</b> | <p>If an investigation undertaken under <b>Condition C29</b> determines that environmental harm has or may occur, the holder of this environmental authority must:</p> <ul style="list-style-type: none"> <li>(c) implement immediate mitigation measures to reduce the potential for environmental harm;</li> <li>(d) develop long-term mitigation measures to address any existing groundwater contamination and prevent recurrence of groundwater contamination which must be implemented in a reasonable time period, and</li> <li>(e) provide a report of the completed mitigation measures and proposed long-term mitigation measures to the administering authority within <b>twenty-eight (28) days</b> of submission of the report under <b>Condition C28</b>.</li> </ul> |
| <b>C31</b> | The results of groundwater monitoring conducted under <b>Condition C20</b> , <b>Condition C21</b> , <b>Condition C22</b> and <b>Condition C23</b> must be submitted to the administering authority via WaTERS by <b>1 April</b> each year for the monitoring conducted in the calendar year prior.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>C32</b> | The location and Surface RL of new bores, identified in <b>Schedule C - Table 5: Groundwater Monitoring Bores</b> , must be provided to the administering authority within <b>one (1) month</b> of installation. New monitoring bores must be installed by <b>28 February 2023</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| <b>Schedule C - Table 5: Groundwater Monitoring Bores</b> |                                |                                 |                        |                             |                       |
|-----------------------------------------------------------|--------------------------------|---------------------------------|------------------------|-----------------------------|-----------------------|
| <b>Monitoring Bore</b>                                    | <b>Location</b>                |                                 | <b>Aquifer</b>         | <b>Monitoring Bore Type</b> | <b>Surface RL (m)</b> |
|                                                           | <b>Latitude</b>                | <b>Longitude</b>                |                        |                             |                       |
| 10PbR                                                     | 27°17' 14.194"S                | 151°41' 28.74"E                 | Main Range Volcanics   | Compliance                  | 437.53                |
| 84PbR                                                     | 27°16' 37.509"S                | 151°41' 25.57"E                 | Main Range Volcanics   | Compliance                  | 448.21                |
| 18PbR                                                     | 27° 16' 23.336" S              | 151° 41' 48.809" E              | Main Range Volcanics   | Interpretation              | 459.57                |
| 18PbR2 <sup>1</sup>                                       | 27° 16' 26.893" S <sup>1</sup> | 151° 41' 37.176" E <sup>1</sup> | Main Range Volcanics   | Compliance                  | TBC <sup>2</sup>      |
| BMH1                                                      | 27°16' 31.8205"S               | 151°41' 01.3574"E               | Main Range Volcanics   | Compliance                  | 454.34                |
| 81Pc                                                      | 27°18' 02.0176"S               | 151°44' 12.6361"E               | Acland Coal Sequence   | Interpretation              | 460.37                |
| 82PcR <sup>1</sup>                                        | 27° 18' 35.078" S <sup>1</sup> | 151° 43' 21.176" E <sup>1</sup> | Acland Coal Sequence   | Compliance                  | TBC <sup>2</sup>      |
| 4517WB                                                    | 27°17' 20.7594"S               | 151°41' 05.0394"E               | Acland Coal Sequence   | Compliance                  | 436.07                |
| 4518WB                                                    | 27°18' 06.7374"S               | 151°40' 47.6733"E               | Acland Coal Sequence   | Compliance                  | 419.38                |
| 111PGC Lower                                              | 27° 19' 2.67" S                | 151° 42' 6.27" E                | Acland Coal Sequence   | Compliance                  | 430.87                |
| 3316_WB                                                   | 27° 18' 50.919" S              | 151° 42' 52.792" E              | Acland Coal Sequence   | Compliance                  | 433.48                |
| 2289PcR Lower                                             | 27°15' 47.9126"S               | 151°42' 02.0952"E               | Balgowan Coal Sequence | Interpretation              | 447.14                |
| 2291Pc                                                    | 27°17' 06.7898"S               | 151°44' 03.2127"E               | Balgowan Coal Sequence | Interpretation              | 461.27                |
| 25PcR                                                     | 27°16' 43.1426"S               | 151°43' 42.1855"E               | Balgowan Coal Sequence | Interpretation              | 498.04                |
| 26PcR                                                     | 27°16' 13.3728"S               | 151°43' 46.9456"E               | Balgowan Coal Sequence | Interpretation              | 497.69                |
| 27PcR                                                     | 27°15' 54.904"S                | 151°43' 14.255"E                | Balgowan Coal Sequence | Interpretation              | 484.42                |
| 28PcR                                                     | 27°15' 40.027"S                | 151°42' 36.061"E                | Balgowan Coal Sequence | Interpretation              | 456.48                |
| CSMH1Rb                                                   | 27° 19' 13.674" S              | 151° 44' 23.776" E              | Balgowan Coal Sequence | Compliance                  | 496.91                |
| 132WBR <sup>1</sup>                                       | 27° 15' 15.315" S <sup>1</sup> | 151° 40' 36.199" E <sup>1</sup> | Balgowan Coal Sequence | Interpretation              | TBC <sup>2</sup>      |
| 133WBR <sup>1</sup>                                       | 27° 15' 50.049" S <sup>1</sup> | 151° 41' 6.698" E <sup>1</sup>  | Balgowan Coal Sequence | Interpretation              | TBC <sup>2</sup>      |

**Permit**  
**Environmental authority EPML00335713**  
**New Acland Coal Mine**

|                     |                                |                                 |                        |                |                  |
|---------------------|--------------------------------|---------------------------------|------------------------|----------------|------------------|
| 18PcR               | 27°16' 23.101"S                | 151°41' 48.686"E                | Balgowan Coal Sequence | Interpretation | 459.57           |
| 18PcR2 <sup>1</sup> | 27° 16' 26.893" S <sup>1</sup> | 151° 41' 37.176" E <sup>1</sup> | Balgowan Coal Sequence | Compliance     | TBC <sup>2</sup> |
| BCS3 <sup>1</sup>   | 27° 17' 21.460" S <sup>1</sup> | 151° 41' 5.829" E <sup>1</sup>  | Balgowan Coal Sequence | Compliance     | TBC <sup>2</sup> |
| BCS4 <sup>1</sup>   | 27° 19' 2.71" S <sup>1</sup>   | 151° 42' 7.07" E <sup>1</sup>   | Balgowan Coal Sequence | Compliance     | TBC <sup>2</sup> |
| LCA1 <sup>1</sup>   | 27° 18' 14.225" S <sup>1</sup> | 151° 40' 55.178" E <sup>1</sup> | Lagoon Creek Alluvium  | Compliance     | TBC <sup>2</sup> |
| LCA2 <sup>1</sup>   | 27° 18' 57.523" S <sup>1</sup> | 151° 42' 48.176" E <sup>1</sup> | Lagoon Creek Alluvium  | Compliance     | TBC <sup>2</sup> |

**Notes:**

<sup>1</sup>New monitoring bore: location approximate and are to be confirmed following drilling and provided under condition C32.

<sup>2</sup>Surface elevation and total depth are to be confirmed following drilling and provided under condition C32.

| Schedule C - Table 6: Groundwater Limits                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |                       |                               |                   |                   |                       |                     |                     |                     |                       |                      |                   |                                                                          |                    |                   |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|-------------------------------|-------------------|-------------------|-----------------------|---------------------|---------------------|---------------------|-----------------------|----------------------|-------------------|--------------------------------------------------------------------------|--------------------|-------------------|---------------------|
| Location                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quality Characteristic | pH (field)            | Electrical Conductivity (Lab) | Fluoride          | Sulfate           | Aluminium (dissolved) | Arsenic (dissolved) | Copper (dissolved)  | Iron (dissolved)    | Manganese (dissolved) | Selenium (dissolved) | Nitrate           | Bicarbonate, sodium, carbonate, calcium, chloride, potassium, magnesium. |                    |                   |                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Limit type             | Range                 | Maximum                       | Maximum           | Maximum           | Maximum               | Maximum             | Maximum             | Maximum             | Maximum               | Maximum              | Maximum           | Interpretation Only                                                      |                    |                   |                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Unit                   | pH units              | (µS/cm)                       | (mg/L)            | (mg/L)            | (mg/L)                | (mg/L)              | (mg/L)              | (mg/L)              | (mg/L)                | (mg/L)               | (mg/L)            | N/A                                                                      |                    |                   |                     |
| 84PbR                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        | 6.5 -7.5 <sup>A</sup> | 2568 <sup>C</sup>             | 0.2 <sup>F</sup>  | 338 <sup>F</sup>  | 0.055 <sup>G</sup>    | 0.013 <sup>G</sup>  | 0.0014 <sup>G</sup> | 0.05 <sup>C</sup>   | 0.02 <sup>C</sup>     | 0.011 <sup>H</sup>   | 16.9 <sup>C</sup> | N/A                                                                      |                    |                   |                     |
| 82PcR                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                       | 9015 <sup>D</sup>             | 0.8 <sup>D</sup>  | 134 <sup>D</sup>  |                       |                     |                     | 0.1 <sup>D</sup>    | 0.087 <sup>D</sup>    |                      | 6.6 <sup>E</sup>  |                                                                          |                    |                   |                     |
| BCS3                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                       |                               |                   |                   |                       |                     |                     |                     |                       |                      |                   |                                                                          |                    |                   |                     |
| BCS4                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                       |                               |                   |                   |                       |                     |                     |                     |                       |                      |                   |                                                                          |                    |                   |                     |
| 18PcR2                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |                       | 3456 <sup>E</sup>             | 0.4 <sup>E</sup>  | 33 <sup>E</sup>   |                       |                     |                     | 0.07 <sup>E</sup>   | 0.02 <sup>E</sup>     |                      |                   |                                                                          |                    |                   |                     |
| 18PbR2                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |                       |                               |                   |                   |                       |                     |                     |                     |                       |                      |                   |                                                                          |                    |                   |                     |
| LCA1                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                       |                               |                   |                   |                       |                     |                     |                     |                       |                      |                   |                                                                          |                    |                   |                     |
| LCA2                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                       |                               |                   |                   |                       |                     |                     |                     |                       |                      |                   |                                                                          |                    |                   |                     |
| CSMH1Rb                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | 6 - 8.5 <sup>B</sup>  | 1703 <sup>F</sup>             | 0.8 <sup>D</sup>  | 134 <sup>F</sup>  |                       |                     | 0.2 <sup>F</sup>    | 0.087 <sup>D</sup>  | 5 <sup>D</sup>        |                      |                   |                                                                          |                    |                   |                     |
| 10PbR                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        | 6.5 -7.5 <sup>A</sup> | 3346 <sup>F</sup>             | 0.5 <sup>C</sup>  | 57.7 <sup>F</sup> |                       |                     |                     |                     |                       |                      | 0.05 <sup>C</sup> |                                                                          | 0.02 <sup>C</sup>  | 50.7 <sup>F</sup> |                     |
| 111PGC Lower                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |                       | 6937 <sup>F</sup>             | 0.1 <sup>F</sup>  | 309 <sup>F</sup>  |                       |                     |                     |                     |                       |                      |                   |                                                                          |                    |                   | 0.0024 <sup>F</sup> |
| 3316 WB                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                       | 5629 <sup>F</sup>             | 0.2 <sup>F</sup>  | 31 <sup>F</sup>   |                       |                     |                     |                     |                       |                      |                   |                                                                          |                    |                   |                     |
| 4517WB                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |                       | 3084 <sup>F</sup>             | 0.33 <sup>F</sup> | 35 <sup>F</sup>   |                       |                     | 0.0014 <sup>G</sup> | 0.6 <sup>F</sup>    | 0.23 <sup>F</sup>     |                      | 5 <sup>D</sup>    |                                                                          |                    |                   |                     |
| 4518WB                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |                       | 4065 <sup>F</sup>             | 0.4 <sup>F</sup>  | 48 <sup>F</sup>   |                       |                     |                     |                     |                       |                      |                   |                                                                          | 0.033 <sup>F</sup> | 1.6 <sup>F</sup>  | 0.087 <sup>D</sup>  |
| BHM1                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                       | 6 - 8.5 <sup>B</sup>          | 1440 <sup>F</sup> | 0.4 <sup>F</sup>  |                       |                     | 18 <sup>F</sup>     | 0.0014 <sup>G</sup> | 0.22 <sup>F</sup>     |                      | 0.02 <sup>C</sup> |                                                                          |                    |                   |                     |
| <b>Notes:</b><br>A ANZECC Aquatic Ecosystem Guideline for South East Australia<br>B ANZECC Livestock Drinking Water Guidelines<br>C Lower Condamine Basalt 80th Percentile WQO<br>D North East Walloons 80th Percentile WQO<br>E Woolowins near stream 80th Percentile WQO<br>F 95th percentile site specific value<br>G ANZECC Aquatic Ecosystem (95-99%) Protection Guideline (ANZG 2018)<br>H ANZECC Aquatic Ecosystem (95%) Protection Guideline (ANZG 2018) |                        |                       |                               |                   |                   |                       |                     |                     |                     |                       |                      |                   |                                                                          |                    |                   |                     |

| Schedule C: Water (Cont'd).                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number                              | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Groundwater Monitoring and Management Program |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>C33</b>                                    | <p>A Groundwater Monitoring and Management Program (GMMP) must be developed by <b>01 April 2023</b> and implemented. The GMMP must:</p> <ul style="list-style-type: none"> <li>(a) identify all potential sources of groundwater contamination from mining activities including construction and rehabilitation activities;</li> <li>(b) include a hydrogeological conceptual groundwater model;</li> <li>(c) identify all environmental values that must be protected;</li> <li>(d) include details of groundwater levels in all identified aquifers present across and adjacent to the site to confirm existing groundwater flow paths;</li> <li>(e) include estimates of the groundwater inflow to rehabilitated landforms and surface water ingress to groundwater from flooding events using the groundwater model;</li> <li>(f) ensure all potential groundwater impacts, including groundwater contamination and groundwater drawdown due to mining activities including construction and rehabilitation activities are identified, monitored, and mitigated;</li> <li>(g) ensure adequate groundwater monitoring and data analysis is undertaken to achieve the following objectives: <ul style="list-style-type: none"> <li>(i) detect any impacts to groundwater level due to the mining activities, including construction and rehabilitation activities;</li> <li>(ii) detect any impacts to groundwater quality due to the mining activities, including construction and rehabilitation activities;</li> <li>(iii) determine compliance with <b>Conditions C24 and Condition C26</b>; and</li> <li>(iv) determine trends in groundwater quality;</li> </ul> </li> <li>(h) include groundwater management and monitoring methodologies that must also be implemented for the duration of all mining activities, including construction and rehabilitation activities;</li> <li>(i) include a quality assurance and control program that must also be implemented for the duration of all mining activities, including construction and rehabilitation activities; and</li> <li>(j) include a process that must be carried out every <b>two (2) years</b> and results in an updated GMMP, that at a minimum includes identification of improvements to the GMMP and addresses any comments provided by the administering authority.</li> </ul> |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>C34</b>                     | <p>An Annual Groundwater Monitoring Report (AGMR) is required to be completed and submitted to the administering authority on a yearly basis by <b>01 April</b> of each year (excluding exploration activities). The AGMR must include:</p> <ul style="list-style-type: none"> <li>a) the water monitoring data;</li> <li>b) analysis based on applying the groundwater quality and standing water level of all groundwater monitoring bores (including compliance and interpretation) listed within <b>Schedule C - Table 5: Groundwater Monitoring Bores</b>;</li> <li>c) an assessment of long-term water quality and water level trends at all groundwater monitoring bores (including compliance and interpretation) listed in <b>Schedule C - Table 5: Groundwater Monitoring Bores</b>;</li> <li>d) details of any review undertaken of the groundwater conceptual model; and</li> <li>e) an assessment of any differences between the groundwater level impact predicted and actual impacts for any corresponding period.</li> </ul> |
| <b>C35</b>                     | Monitoring and sampling of groundwater must comply with the latest edition of the administering authority's Monitoring and Sampling Manual.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>C36</b>                     | Notwithstanding the requirements of condition <b>C23</b> to Condition <b>C30</b> (inclusive), groundwater level increases or decreases as measured in monitoring bores, when caused by seepage from Tailings Storage Facility or environmental dam must be notified <b>within fourteen (14) days</b> from becoming aware of the cause of the seepage to the administering authority.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>C37</b>                     | <p>The following information must be recorded in relation to all groundwater quality and water level sampling:</p> <ul style="list-style-type: none"> <li>(a) the date on which the sample was taken;</li> <li>(b) the time at which the sample was taken;</li> <li>(c) the monitoring bore at which the sample was taken; and</li> <li>(d) The results of all monitoring.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sewage Effluent Control</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>C38</b>                     | All effluent released from the treatment plant must be monitored at the frequency and for the parameters specified in <b>Schedule C – Table 7</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>C39</b>                     | Sewage effluent used for dust suppression or irrigation must not exceed sewage effluent release limits defined in <b>Schedule C – Table 7</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>C40</b>                     | Sewage effluent used for dust suppression or irrigation must not cause spray drift or over spray to any sensitive place, other than the active mining areas within ML 50176 and ML 50216.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>C41</b>                     | Subject to <b>Condition C39</b> , sewage effluent from sewage treatment facilities must be reused or evaporated and must not be directly released from the sewage treatment plant to any waterway or drainage line.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|            |                                                                                                                                                                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>C42</b> | In periods of wet weather or following wet weather, when no irrigation of effluent is reasonably practicable and when effluent storage ponds are full, the release of effluent to waters is permitted from the overflow point from Environmental Dam 2 and in accordance with the release limits in <b>Schedule C – Table 1</b> . |
| <b>C43</b> | The environmental authority holder must ensure that irrigation of effluent is carried out in such a manner that prevents and/or minimises environmental harm.                                                                                                                                                                     |
| <b>C44</b> | The environmental authority holder is authorised to accept treated wastewater from the Wetalla Wastewater Reclamation Facility at a rate of no more than 5500 megalitres per year.                                                                                                                                                |

| <b>Schedule C - Table 7: Sewage Effluent Quality Targets for Dust Suppression and Irrigation</b> |                      |                     |                   |                             |
|--------------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------|-----------------------------|
| <b>Quality characteristics</b>                                                                   | <b>Release limit</b> | <b>Units</b>        | <b>Limit type</b> | <b>Monitoring frequency</b> |
| 5-day Biochemical Oxygen Demand (uninhibited)                                                    | <20                  | mg/L                | max               | Quarterly                   |
| pH                                                                                               | 6.5 – 8.5            |                     | range             | Quarterly                   |
| Faecal Coliforms, based on the average of a minimum of five samples collected                    | <1000 c.f.u.         | Colonies per 100 mL | max               | Quarterly                   |

| Schedule D: Noise     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number      | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Noise Nuisance</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D1</b>             | Notwithstanding any other condition of this environmental authority, noise from the activity must not cause an environmental nuisance, at any sensitive place.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>D2</b>             | When requested by the administering authority, noise monitoring and recording must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of an authorised officer) of environmental nuisance at any sensitive place, and the results must be notified within <b>fourteen (14) days</b> to the administering authority following completion of monitoring.                                                                                                                                                                                                                                                                  |
| <b>D3</b>             | <p>If the environmental authority holder can provide evidence through monitoring that the limits defined in <b>Schedule D – Table 1 and 2</b> inclusive, are not being exceeded then the holder is not in breach of <b>Condition D1</b>. Noise Monitoring must include:</p> <ul style="list-style-type: none"> <li>(i) background noise level;</li> <li>(ii) LA10, adj 10 mins;</li> <li>(iii) LA1, adj 10 min;</li> <li>(iv) LAmax, adj T;</li> <li>(v) LAr, 1 hour;</li> <li>(vi) the level and frequency of occurrence of impulsive or tonal noise;</li> <li>(vii) Atmospheric conditions including temperature, wind speed and directions;</li> <li>(viii) Effects due to extraneous factors such as traffic noise; and</li> <li>(ix) Location, date, and time of monitoring.</li> </ul> |
| <b>D4</b>             | <p>If monitoring indicates exceedance of the limits in <b>Schedule D – Table 1 and 2</b>, then the environmental authority holder must:</p> <ul style="list-style-type: none"> <li>a) Address the complaint including the use of appropriate dispute resolution if required; and</li> <li>b) Immediately implement noise abatement measures so that emissions of noise from the activity do not result in further environmental nuisance.</li> </ul>                                                                                                                                                                                                                                                                                                                                         |
| <b>D5</b>             | The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| <b>Schedule D - Table 1: Noise Limits – Sensitive Place</b>                                                                                                |                                             |                   |                   |                                    |                   |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|-------------------|------------------------------------|-------------------|-------------------|
| <b>Noise level<br/>dB(A)<br/>measured<br/>as</b>                                                                                                           | <b>Monday to Saturday</b>                   |                   |                   | <b>Sundays and public holidays</b> |                   |                   |
|                                                                                                                                                            | <b>7am - 6pm</b>                            | <b>6pm - 10pm</b> | <b>10pm - 7am</b> | <b>9am - 6pm</b>                   | <b>6pm - 10pm</b> | <b>10pm - 9am</b> |
|                                                                                                                                                            | Noise measured at a 'Noise sensitive place' |                   |                   |                                    |                   |                   |
| LAr, 1 hour                                                                                                                                                | 50                                          | 45                | 40                | 50                                 | 45                | 40                |
| Note: The method of measurement and reporting of noise levels must comply with the latest editions of the Environmental Protection Agency's Noise Manuals. |                                             |                   |                   |                                    |                   |                   |

| <b>Schedule D - Table 2: Airblast Overpressure Level</b>                                                                                                                                                                                                                            |                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Noise Parameter</b>                                                                                                                                                                                                                                                              | <b>Monday to Friday 9am-5pm</b><br><b>Saturday 9am – 1pm*</b>                                          |
| Air blast overpressure level (dB [Lin] Peak)                                                                                                                                                                                                                                        | 115 db (linear peak for 9 out of any 10 consecutive blasts, regardless of the interval between blasts) |
| Air blast overpressure level (dB [Lin] Peak)                                                                                                                                                                                                                                        | 120 db (maximum)                                                                                       |
| <p>* Blasting not permitted on public holidays and Sundays.</p> <p>Note: The method of measurement and reporting of overpressure levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.</p> |                                                                                                        |

| Schedule D: Noise (Cont'd) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number           | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Vibration Nuisance</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>D6</b>                  | Subject to <b>Condition D7</b> and <b>Condition D8</b> vibration from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>D7</b>                  | When requested by the administering authority, vibration monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer) of environmental nuisance at any sensitive place, and the results must be notified within <b>fourteen (14) days</b> to the administering authority following the completion of monitoring.                                         |
| <b>D8</b>                  | <p>If the environmental authority holder can provide evidence through monitoring that the limits defined in <b>Schedule D - Table 3</b> are not being exceeded, then the holder is not in breach of <b>Condition D6</b>. Monitoring must include:</p> <ul style="list-style-type: none"> <li>a) location of the blast(s) within the mining area (including which bench level); and</li> <li>b) atmospheric conditions including temperature, relative humidity and wind speed and direction; and</li> <li>c) location, date, and time of recording.</li> </ul> |
| <b>D9</b>                  | <p>If monitoring indicates exceedance of the relevant limits in <b>Schedule D - Table 3</b>, then the environmental authority holder must:</p> <ul style="list-style-type: none"> <li>a) address the complaint including the use of appropriate dispute resolution if required; or</li> <li>b) immediately implement vibration abatement measures so that vibration from the activity does not result in further environmental nuisance.</li> </ul>                                                                                                            |

| Schedule D - Table 3: Vibration Limits                                                                                                                                                                                                                                           |                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Vibration Parameter                                                                                                                                                                                                                                                              | Vibration measured at sensitive place                                                                         |
|                                                                                                                                                                                                                                                                                  | Monday to Friday 9am-5pm                                                                                      |
|                                                                                                                                                                                                                                                                                  | Saturday 9am – 1pm*                                                                                           |
| Peak particle velocity (mm/s)                                                                                                                                                                                                                                                    | 5 mm/sec for nine (9) out of ten (10) consecutive blasts initiated. Any single blast not to exceed 10 mm/sec. |
| <p>* Blasting not permitted on public holidays and Sundays.</p> <p>Note: The method of measurement and reporting of vibration levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.</p> |                                                                                                               |

| Schedule E: Land           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number           | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Buffer Zone</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>E1</b>                  | The environmental authority holder must not cause any disturbance within 50 metres of the high bank of Lagoon Creek (buffer zone) as shown on <b>Schedule K - Map 2</b> unless in accordance with <b>Condition E2 and E3</b> .                                                                                                                                                                                                                                                                                      |
| <b>E2</b>                  | The environmental authority holder is authorised to construct and maintain a flood protection levee and access road for inspection purposes, with the tow of the levee being no closer than 50 metres from the high bank of Lagoon Creek as shown on <b>Schedule K - Map 2</b> .                                                                                                                                                                                                                                    |
| <b>E3</b>                  | The environmental authority holder is authorised to access the 50-metre buffer zone as shown on <b>Schedule K - Map 2</b> , for the purposes of maintaining the integrity of the flood protection levee, riparian conservation and weed management purposes.                                                                                                                                                                                                                                                        |
| <b>E4</b>                  | The flood protection levee must be designed and inspected by a suitably qualified and experienced person. The final design level of the levee crest must be above the predicted 1,000-year ARI event flood level.                                                                                                                                                                                                                                                                                                   |
| <b>E5</b>                  | Any section of the outside face of the levee must be treated with cover material and grass seeded (unless rock armoured) within three months of completion of the earthworks for that section of the outside face of the levee.                                                                                                                                                                                                                                                                                     |
| <b>E6</b>                  | The condition of the levee must at a minimum be assessed: <ul style="list-style-type: none"> <li>a) by the environmental authority holder within <b>one (1) week</b> of any storm of such intensity that greater than 25mm of rain falls in less than <b>three (3) hours</b>; and</li> <li>b) by a suitably qualified and experienced person at least <b>once (1) per year</b> between the months of May and October inclusive (i.e., during the 'dry' season and before the onset of the 'wet' season).</li> </ul> |
| <b>E7</b>                  | Remedial works identified as necessary during assessments conducted under <b>Condition E6</b> must be commenced within <b>thirty (30) days</b> unless delayed by inclement weather.                                                                                                                                                                                                                                                                                                                                 |
| <b>E8</b>                  | Any actions and incidents on site that may impact upon the integrity of the levee bank must be notified to the administering authority in accordance with <b>Condition H4</b> .                                                                                                                                                                                                                                                                                                                                     |
| <b>Green Waste Storage</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>E9</b>                  | The waste management hierarchy must be considered in the management of green waste.                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Final Land Use and Rehabilitation Plan |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>E10</b>                             | <p>A Final Land Use and Rehabilitation Plan must be developed by <b>21 November 2019</b> and implemented to ensure that all areas disturbed by mining activities will be suitably rehabilitated in accordance with <b>Schedule E – Table 1</b>.</p> <p>The Plan must include, but is not limited to the following:</p> <ul style="list-style-type: none"> <li>(i) disturbance type;</li> <li>(ii) disturbance area;</li> <li>(iii) pre- and post-mine land descriptions;</li> <li>(iv) pre- and post-mine land capability;</li> <li>(v) analogue site(s) identification;</li> <li>(vi) a description of rehabilitation management techniques incorporating works and monitoring programs and timetables;</li> <li>(vii) indicators for success; and</li> <li>(viii) keeping of appropriate records or rehabilitation measures implemented including taking of photographs demonstrative of rehabilitation achieved and the preparation of annual rehabilitation progress reports.</li> </ul> |

| Schedule E - Table 1: Final Land Use and Rehabilitation Approval Schedule – ML 50170 and ML50216 |                        |               |                        |                  |                            |                    |                                |
|--------------------------------------------------------------------------------------------------|------------------------|---------------|------------------------|------------------|----------------------------|--------------------|--------------------------------|
|                                                                                                  | Disturbance Type       |               |                        |                  |                            |                    |                                |
|                                                                                                  | Residual Voids         | Tailings Dams | Recontoured spoil area | Waste Rock Dumps | Infrastructure & ROM Areas | Roads and Tracks   | Water Supply and Sediment Dams |
| <b>Tenure ID</b>                                                                                 | ML50216                | ML50170       | ML50170<br>ML50216     | ML50216          | ML50170                    | ML50170<br>ML50216 | ML50216                        |
| <b>Projective Surface Area (ha)</b>                                                              | 55                     | 70            | 740                    | 100              | 5                          | 5                  | 40                             |
| <b>Post mine land use</b>                                                                        | Possible water storage | Grazing       | Grazing                | Grazing          | Grazing                    | Grazing            | Possible water storage         |
| <b>Post mine land suitability class</b>                                                          | 5                      | 5             | 3-4                    | 4                | 4                          | 4                  | 5                              |

| Schedule E: Land (Cont'd)                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number                           | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Buffer Zone</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>E11</b>                                 | All areas significantly disturbed by mining activities must be rehabilitated in accordance with the Mine Closure Plan outlined in <b>Condition E13</b> .                                                                                                                                                                                                                                                                                                                                                        |
| <b>E12</b>                                 | Progressive rehabilitation must commence when areas become available within the operational land.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Closure and Post Closure</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>E13</b>                                 | The environmental authority holder must submit a Mine Closure Plan to the administering authority at least <b>five (5) years</b> prior to the surrender of this environmental authority.                                                                                                                                                                                                                                                                                                                        |
| <b>E14</b>                                 | When the deposition of tailings ceases, the environmental authority holder must install a final cover system to the Tailings Storage Facility, which effectively minimises: <ul style="list-style-type: none"> <li>(i) infiltration of water into the Tailings Storage Facility; and</li> <li>(ii) the likelihood of any erosion occurring to either the final cover system, dumped spoil material or deposited tailings;</li> </ul>                                                                            |
| <b>E15</b>                                 | The final cover system must include an inert layer to reduce infiltration and an upper/final layer of earthen material that is capable of sustaining plant growth.                                                                                                                                                                                                                                                                                                                                              |
| <b>Sustainable Final Land Use Outcomes</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>E16</b>                                 | Areas that are to be progressively rehabilitated must comply with, but not be limited to, the following outcomes: <ul style="list-style-type: none"> <li>a) All areas disturbed by mining activities must be rehabilitated to the landform design criteria defined in the Final Land Use and Rehabilitation Plan required by <b>Condition E10</b> to <b>Condition E12</b> (inclusive); and</li> <li>b) The final landforms must be stable with erosion rates comparable to a suitable analogue site.</li> </ul> |

| Grazing Pasture Outcome |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>E17</b>              | <p>Areas which are to be progressively rehabilitated to grazing pasture must comply with the following outcomes;</p> <ul style="list-style-type: none"> <li>a) generate a self-sustaining vegetation with projective cover, species composition and species distribution comparable with that of analogue sites to be determined by the study detailed in <b>Condition E10</b> e.g., planting local native grass and shrub species where possible. These vegetation species must be listed in the Final Land Use and Rehabilitation Plan;</li> <li>b) all areas disturbed by mining activities must be rehabilitated to the landform design criteria defined in <b>Schedule E – Table 2</b>;</li> <li>c) a measure of productivity (e.g., sustainable dry matter production, stock live weight gain) are comparable to the selected analogue sites detailed in <b>Condition E18</b>).</li> </ul> |
| <b>E18</b>              | <p>Complete an investigation into rehabilitation of disturbed areas and submit a report to the administering authority proposing acceptance criteria to meet the outcomes in <b>Condition E17</b> and landform design criteria in <b>Schedule E – Table 2</b> within <b>twelve (12) months</b> of the issue of the environmental authority.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>E19</b>              | <p>A register of certified progressive rehabilitated areas must be maintained by the environmental authority holder and be made available to the administering authority on request. The register must detail:</p> <ul style="list-style-type: none"> <li>• Date of Certification;</li> <li>• Total area certified (hectares);</li> <li>• Defining coordinates of the certified area (GDA94);</li> <li>• Identifying map as included in the Certification Notice; and,</li> <li>• Any other identifying details as required.</li> </ul>                                                                                                                                                                                                                                                                                                                                                          |

| Schedule E - Table 2: Landform design criteria for New Acland Coal Mine                                |                     |                              |
|--------------------------------------------------------------------------------------------------------|---------------------|------------------------------|
| Disturbance Type                                                                                       | Slope Range (%)     | Projective Surface Area (ha) |
| Residual Voids (high wall)                                                                             | 0 - 214 % or 65°    | 55                           |
| Residual Voids (low wall)                                                                              | 0 – 100 % or 45°    |                              |
| Tailings Dam Top                                                                                       | 0 – 20 % or 11.5° * | 60                           |
| Tailings Dam Wall                                                                                      | 0 – 20 % or 11.5° * | 10                           |
| Recontoured Spoil Area                                                                                 | 0 – 20 % or 11.5° * | 740                          |
| Waste Rock Dumps                                                                                       | 0 – 20 % or 11.5° * | 100                          |
| Infrastructure and ROM areas                                                                           | 0 – 18% or 10°      | 5                            |
| Roads and Tracks                                                                                       | 0 – 10 % or 5.7°    | 5                            |
| Note: * = The slope depends on the vertical height and slope length. See Landform Acceptance Criteria. |                     |                              |

| Schedule E: Land (Cont'd) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number          | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Residual Void Outcome     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>E20</b>                | <p>Residual voids must comply with the following outcomes:</p> <ul style="list-style-type: none"> <li>a) residual voids must not cause any serious environmental harm to land, surface waters or any recognised ground water aquifer, other than the environmental harm constituted by the existence of the residual void itself, and subject to any other condition within this environmental authority; and</li> <li>b) residual voids must comply with <b>Schedule E – Table 3</b>.</li> </ul> |
| <b>E21</b>                | Complete an investigation into residual voids and submit the findings in the Mine Closure Plan outlined by <b>Condition E13</b> to the administering authority proposing acceptance criteria to meet the outcomes in <b>Condition E10</b> and landform design criteria in <b>Schedule E – Table 3</b> .                                                                                                                                                                                           |

| Schedule E - Table 3: Residual Void Design |                                      |                                        |                                |
|--------------------------------------------|--------------------------------------|----------------------------------------|--------------------------------|
| Void Identification                        | Void wall - competent rock slope (%) | Void wall - incompetent rock slope (%) | Void maximum surface area (ha) |
| Central Pit/South Pit Void                 | 65° or 214%                          | 45° or 100%                            | 55                             |

| Schedule E: Land (Cont'd)       |                                                                                                                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number                | Condition                                                                                                                                                                                      |
| Dams Containing Hazardous Waste |                                                                                                                                                                                                |
| <b>E22</b>                      | The construction and operation of any dam containing hazardous waste within the operational land must comply with <b>Schedule E – Table 4.</b>                                                 |
| <b>E23</b>                      | Any dam containing hazardous waste constructed or operated within the operational land must be located within the polygonal area defined by the points defined in <b>Schedule E – Table 5.</b> |

| Schedule E - Table 4: Size and Purpose of Dams Containing Hazardous Waste |                                              |                            |                          |                                                                              |
|---------------------------------------------------------------------------|----------------------------------------------|----------------------------|--------------------------|------------------------------------------------------------------------------|
| Name of Dam Containing Hazardous Waste                                    | Maximum surface area of contents in dam (ha) | Maximum volume of dam (ML) | Maximum depth of dam (m) | Purpose of Dam                                                               |
| Tailings Storage Facility 1 and 2                                         | 65                                           | 2975                       | 16                       | Containment of tailings from a coal washery                                  |
| Environmental Dam 2 <sup>1</sup>                                          | 9                                            | 232                        | 4.5                      | Capture of overland flow from undisturbed areas<br>- Backup for Tailings Dam |
| IPT1                                                                      | 15                                           | 2115                       | 40                       | Containment of tailings from a coal washery plant                            |
| IPT2                                                                      | 30                                           | 8000                       | 35                       | Containment of tailings from a coal washery plant                            |
| IPT3                                                                      | 25                                           | 6000                       | 37                       | Containment of tailings from a coal washery plant                            |

<sup>1</sup> Environmental Dam 2 was mined out in 2018 and has not been reinstated as of 20 May 2022.

Note 1: The name of the dam containing hazardous waste should refer to the name of the dam e.g. process residue facility and decant dam

Note 2: For dams which do not require a dam wall, input the maximum void depth e.g. where dams are formed by excavating below the land surface or backfilling a residual void

Note 3: Purpose of the dam should outline the designed function, e.g. "the permanent containment of tailings resulting from the extraction of nickel, cobalt, and other metals at the XYZ Refinery.

| Schedule E - Table 5: Location of dams Containing Hazardous Waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Name of Dam Containing Hazardous Waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Latitude (GDA94) <sup>1</sup> | Longitude (GDA94) <sup>1</sup> |
| 1. Tailings Storage Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 27° 17' 16.7031402" S         | 151° 42' 27.3833932" E         |
| 2. Environmental Dam 2 <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 27° 17' 10.9622837" S         | 151° 42' 28.4233861" E         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 16' 51.1028709" S         | 151° 42' 31.8627267" E         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 16' 27.2791954" S         | 151° 42' 03.7029825" E         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 16' 29.1169479" S         | 151° 41' 39.1178177" E         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 08.8291088" S         | 151° 41' 31.8175509" E         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |                                |
| 3. IPT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27° 16' 39.5932809" S         | 151° 42' 49.4645845" E         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 16' 33.3110450" S         | 151° 42' 48.3367815" E         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 16' 40.9107864" S         | 151° 42' 23.1909360" E         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 16' 34.6002752" S         | 151° 42' 29.5557786" E         |
| 4. IPT2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27° 16' 45.56" S              | 151° 42' 22.13" E              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 05.72" S              | 151° 42' 28.00" E              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 05.34" S              | 151° 42' 40.75" E              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 56.25" S              | 151° 42' 49.98" E              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 16' 45.55" S              | 151° 42' 43.66" E              |
| 5. IPT3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27° 17' 13.29242" S           | 151° 42' 26.26295" E           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 29.12289" S           | 151° 42' 28.08708" E           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 33.67126" S           | 151° 42' 34.61413" E           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 39.46179" S           | 151° 42' 50.05330" E           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 33.40695" S           | 151° 42' 52.56595" E           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 21.96210" S           | 151° 42' 46.64782" E           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 27° 17' 16.01406" S           | 151° 42' 40.56654" E           |
| <p>Note 1: A minimum of 3 points is required to constrain the location of all activities associated with the dam containing hazardous waste. Additional infrastructure which forms part of any dam containing hazardous waste may include appurtenant works consisting of tailings discharge pipelines, seepage collection systems, runoff diversion bunds, containment systems, pressure relief wells, decant and recycle water streams.</p> <p>Note 2: The location polygon defined in Schedule E – Table 5 encloses both the Tailings Storage Facility and Environmental Dam 2.</p> <p><sup>1</sup> Environmental Dam 2 was mined out in 2018 and has not been reinstated as of 20 May 2022.</p> |                               |                                |

| Schedule E: Land (Cont'd)                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number                                              | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Inspection of Dams</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>E24</b>                                                    | The environmental authority holder must design, construct, and operate all high-hazard dams containing hazardous waste in accordance with the Code of Environmental Compliance for Environmental Authorities for High Hazard Dams Containing Hazardous Waste.                                                                                                                                                                                                                                                   |
| <b>E25</b>                                                    | The environmental authority holder must design, construct, and operate all low-hazard dams containing hazardous waste and non-hazardous dams in accordance with the criteria outlined in Appendix B of the Code of Environmental Compliance for Mining Lease Projects.                                                                                                                                                                                                                                          |
| <b>E26</b>                                                    | High hazard dams containing hazardous waste shall be inspected by a Registered Professional Engineer (RPEQ) on or about 1st October but definitely before 1st November each year or at any time if alarming, unusual or otherwise unsatisfactory conditions are observed.                                                                                                                                                                                                                                       |
| <b>E27</b>                                                    | For each inspection, the engineer shall assess the condition of the dam and its foundations, determine the hydraulic adequacy of the dam, and assess the adequacy of the works with respect to dam safety.                                                                                                                                                                                                                                                                                                      |
| <b>E28</b>                                                    | For each inspection, two copies of the engineer's report and any recommendations as to measures to be taken to ensure the integrity of the dam shall be furnished to the administering authority <b>within twenty-eight (28) days</b> of the inspection.                                                                                                                                                                                                                                                        |
| <b>Embankment Monitoring</b>                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>E29</b>                                                    | During the operational life of the storage the environmental authority holder must regularly monitor and record the standing water levels in three monitoring wells, which will be located in a line through the highest section of the embankment.                                                                                                                                                                                                                                                             |
| <b>Decommissioning of Dams – Documentation and Compliance</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>E30</b>                                                    | Dams containing hazardous waste must not be abandoned, must be decommissioned to a situation where water can no longer be stored in the dams and the dams and their contained waste(s) are stable, whereafter the dams are no longer dams and they become landforms on the operational land and must comply with the rehabilitation requirements of the environmental authority.                                                                                                                                |
| <b>E31</b>                                                    | Decommissioning activities for dams must be documented and details of decommissioning activities provided to the administering authority on request. Where the detailed documentation is not already contained in the Design Plan for the dam, the detailed documentation is considered to be an amendment to the design plan and must be submitted as an amendment to the design plan required by the Code of Environmental Compliance for Environmental Authorities for High Hazard Dams Containing Hazardous |
| <b>Infrastructure</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>E32</b>          | All infrastructure, constructed by or for the environmental authority holder during the mining activities including water storage structures, must be removed from the site prior to mining lease surrender, except where agreed in writing by the post mining landowner / holder.<br><br>NOTE: This is not applicable where the landowner/holder is also the environmental authority holder. |
| <b>Weed Control</b> |                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>E33</b>          | All areas within the mining lease will be managed to reduce the spread of declared plants including both disturbed and undisturbed areas.                                                                                                                                                                                                                                                     |

| Schedule F: Nature Conservation |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number                | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Authorised activities</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>F1</b>                       | The environmental authority holder must ensure that staff induction and environmental awareness programs include reference to <i>Anomalopus mackayi</i> (Five-clawed Worm-skink, Long-legged Worm-skink) and <i>Tympanocryptis pinguicolla</i> (Grassland Earless Dragon, South-eastern Lined Earless Dragon) to ensure that any individuals that might be present in the project area are identified and reported to the mine site environmental officer for recovery and release into suitable habitat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>F2</b>                       | <p>The environmental authority holder must develop a Conservation Management Plan, by 21 November 2019, for the riparian area of Lagoon Creek and existing stands of regional ecosystems RE11.8.5 and RE11.8.3 located on Bottle Tree Hill. The Plan must for the two proposed conservation areas (Lagoon Creek and Bottle Tree Hill):</p> <ul style="list-style-type: none"> <li>a) ensure the combined surface area to be protected and enhanced is no less than the surface area of the regional ecosystems proposed to be cleared by mining activities on Mining Leases 50170 and 50216;</li> <li>b) develop appropriate conservation/rehabilitation objectives;</li> <li>c) outline suitable conservation/rehabilitation techniques (including those areas where local native plant species/communities are to be re-established and/or enhanced);</li> <li>d) develop an action plan/rehabilitation schedule for the planned conservation/rehabilitation activities;</li> <li>e) propose specific conservation/rehabilitation acceptance criteria (including those areas where local native plant species/communities are re-established and/or enhanced);</li> <li>f) detail a suitable monitoring program to quantify conservation/rehabilitation success (including those areas where local native plant species/communities are re-established and/or enhanced); and</li> <li>g) propose appropriate remedial actions for conservation/rehabilitation areas not achieving the required conservation/rehabilitation objectives.</li> </ul> |

| Schedule G: Waste Management         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number                     | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage of tyres</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>G1</b>                            | Tyres stored awaiting disposal or transport for take-back and, recycling, or waste-to-energy options - should be stockpiled in volumes less than 3m in height and 200m <sup>2</sup> in area and at least 10m from any other tyre storage area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>G2</b>                            | All reasonable and practicable fire prevention measures must be implemented, including removal of grass and other materials within a 10m radius of the scrap tyre storage area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>G3</b>                            | Disposing of scrap tyres resulting from the mining activities in spoil emplacements is acceptable, provided tyres are placed as deep in the spoil as reasonably practicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>G4</b>                            | Scrap tyres resulting from the mining activities disposed within the operational land must not impede saturated aquifers or compromise the stability of the consolidated landform.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Waste Handling and Management</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>G5</b>                            | Regulated waste must only be removed from the authorised place by a person that can legally transport this waste under the <i>Environmental Protection Act 1994</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>G6</b>                            | <p>From the commencement of the activity, the environmental authority holder must maintain and update its existing Waste Management Plan and ensures that it addresses at least the following matters:</p> <ul style="list-style-type: none"> <li>(i) the types and amounts of wastes generated by the facility</li> <li>(ii) how the waste will be dealt with, including a description of the types and amounts of waste that will be dealt with under each of the waste management practices mentioned in the waste management hierarchy (section 10 in the <i>Environmental Protection (Waste Management) Policy 2000</i>);</li> <li>(iii) procedures for identifying and implementing opportunities to improve the waste management practices employed.</li> <li>(iv) procedures for dealing with accident, spills, and other incidents that may impact on the waste management</li> <li>(v) details of any accredited management system employed, or planned to be employed, to deal with the waste</li> <li>(vi) how often the performance of the waste management practices will be assessed (at least annually)</li> <li>(vii) the indicators or other criteria on which the performance of the waste management practices will be assessed.</li> </ul> |

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| <b>G7</b>                                                   | <p>The holder of this integrated authority must not:</p> <ul style="list-style-type: none"> <li>(i) allow waste to burn or be burned at or on the licensed place; or</li> <li>(ii) remove waste from the licensed place and burn such waste elsewhere.</li> </ul> <p>(This condition does not apply to the material that is required to be burnt under quarantine regulations and burning of such material is to be carried out in a way that does not cause environmental harm and this condition does not refer to activities carried out under the provisions of the <i>Fire Services Act 1990</i>).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Waste Rock Management</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>G8</b>                                                   | <p>Subject to the release limits defined in Schedule C, all reasonable and practicable measures must be implemented to prevent hazardous leachate being directly or indirectly released or likely to be released as a result of the activity to any groundwater or watercourse.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Notification of Improper Disposal of Regulated Waste</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>G9</b>                                                   | <p>If the environmental authority holder becomes aware that a person has removed waste from the licensed place and disposed of the waste in a manner which is not authorised by this environmental authority or is improper or unlawful, then the holder of environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Emergency Response/Contingency Plan</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>G10</b>                                                  | <p>An Emergency Response/Contingency Plan to manage the environmental impacts of uncontrolled release of contaminants to the environment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>G11</b>                                                  | <p>The Emergency Response/Contingency Plan must address at the least the following matters:</p> <ul style="list-style-type: none"> <li>- Response procedures to be implemented to reduce the likelihood of any release of contaminants to the environment.</li> <li>- Response procedures to prevent any further release or if such is not practicable, minimise the extent and duration of any release to the greatest practicable extent.</li> <li>- The practices and procedures to be employed to restore the environment, or if such is not practicable, mitigate any environmental impacts of the release.</li> <li>- A description of the resources to be used in response to a release.</li> <li>- The training of staff that will be called upon to respond to a release.</li> <li>- Procedures to investigate the cause of any release, and where necessary, implement remedial actions to reduce the likelihood of recurrence of a similar event.</li> <li>- The provision and availability of documented procedures to staff attending any release to enable them to effectively respond.</li> <li>- Timely and accurate reporting of the circumstance and nature of release events to the administering authority</li> </ul> |

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| <b>G12</b> | A copy of the Emergency Response/Contingency Plan and any subsequent amendment of the Emergency Response/Contingency Plan must be kept at the place to which this environmentally relevant activity relates and be available for examination by Emergency Services Personnel or an authorised person on request |
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| Schedule H: Community                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Condition number                          | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Complaint recording/response              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>H1</b>                                 | <p>All complaints received by the holder of this environmental authority relating to the environmentally relevant activity must be recorded in a suitable database with the following details:</p> <ul style="list-style-type: none"> <li>a) time and date of complaint;</li> <li>b) type of communication (telephone, letter, personal etc.);</li> <li>c) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);</li> <li>d) response and investigation undertaken as a result of the complaint;</li> <li>e) name of person responsible for investigating complaint; and</li> <li>f) action taken as a result of the complaint investigation and signature of responsible person.</li> </ul>                                                                      |
| <b>H2</b>                                 | <p>The complaints record required by <b>Condition H1</b> must be maintained for a period of not less than <b>three (3) years</b>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Notification of Emergencies and Incidents |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>H3</b>                                 | <p>As soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the holder of this environmental authority holder must notify the administering authority of the release by telephone or facsimile.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>H4</b>                                 | <p>The notification of emergencies or incidents as required by <b>Condition H3</b> must include but not be limited to the following:</p> <ul style="list-style-type: none"> <li>• the environmental authority holder;</li> <li>• the location of the emergency or incident;</li> <li>• the number of the environmental authority;</li> <li>• the name and telephone number of the designated contact person;</li> <li>• the time of the release;</li> <li>• the time the environmental authority holder became aware of the release;</li> <li>• the suspected cause of the release;</li> <li>• the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and</li> <li>• actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release</li> </ul> |

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| <b>H5</b>                  | <p>Not more than <b>fourteen (14) days</b> following the initial notification of an emergency or incident, the environmental authority holder must provide written advice of the information supplied in accordance with <b>Condition H4</b> in addition to:</p> <ul style="list-style-type: none"> <li>- proposed actions to prevent a recurrence of the emergency or incident;</li> <li>- outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance; and</li> <li>- the results of any environmental monitoring performed.</li> </ul> |
| <b>Exception Reporting</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>H6</b>                  | The environmental authority holder must notify the administering authority in writing of any monitoring result that indicates an exceedance of or non-compliance with any environmental authority limit within <b>twenty-eight (28) days</b> of completion of analysis.                                                                                                                                                                                                                                                                                                                     |
| <b>H7</b>                  | <p>The written notification required by <b>Condition H6</b> above must include:</p> <ul style="list-style-type: none"> <li>- the full analysis results;</li> <li>- details of investigation or corrective actions taken; and</li> <li>- any subsequent analysis.</li> </ul>                                                                                                                                                                                                                                                                                                                 |

| <b>Schedule I: Light</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Condition number</b>  | <b>Condition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>I1</b>                | Subject to <b>Condition I2</b> , the emission of light resulting from the mining activity must not cause an environmental nuisance at any sensitive place.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>I2</b>                | <p>When requested by the administering authority, an assessment of the light nuisance* must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (with in neither frivolous nor vexatious based on mistaken belief in the opinion of the authorised officer) of environmental nuisance at any sensitive place, and the results must be notified within <b>fourteen (14) days</b> of the administering authority following completion of the assessment.</p> <p>* Assessment to be conducted according to and with reference to the limits specified in AS 4282-1997 Control of the Obtrusive Effects of Outdoor lights.</p> |
| <b>I3</b>                | <p>If the assessment indicates <b>Condition I1</b> is not being met then the environmental authority holder must:</p> <ul style="list-style-type: none"> <li>a) address the complaint including the use of appropriate dispute resolution if requires; or</li> <li>b) immediately implement light abatement measures so the emissions of light from the activity do not result in further environmental nuisance.</li> </ul>                                                                                                                                                                                                                                                                             |

## Schedule J – Definitions

Words and phrases used throughout this licence are defined below except where identified in the *Environmental Protection Act 1994* or subordinate legislation. Where a word or term is not defined, the ordinary English meaning applies, and regard should be given to the Macquarie Dictionary.

“**µg/L**” means micrograms per litre.

“**50th percentile**” means that the measured values of the quality characteristic must not be greater than the release limit for any more than three out of six consecutive samples where the time interval between the taking of each consecutive sample is not less than three days.

“**80th percentile**” means that the measured values of the quality characteristic must not be greater than the release limit for any more than one out of five consecutive samples where the time interval between the taking of each consecutive sample is not less than three days.

“**acceptance criteria**” means the measures by which actions implemented are deemed to be complete. The acceptance criteria indicate the success of the decommissioning and rehabilitation outcomes or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- stability of final landforms in terms of settlement, erosion, weathering, pondage, and drainage;
- control of geochemical and contaminant transport processes;
- quality of runoff waters and potential impact on receiving environment;
- vegetation establishment, survival, and succession;
- vegetation productivity, sustained growth, and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass, and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought, and fire;
- vegetation water use and effects on ground water levels and catchment yields.

“**Act**” means the *Environmental Protection Act 1994*.

“**administering authority**” means the Environmental Protection Agency or its successor.

“**airblast overpressure**” is the energy transmitted from the blast site within the atmosphere in the form of pressure waves, consisting of both audible (noise) and inaudible (concussion) energy. The maximum excess pressure in this wave is the peak airblast overpressure measured in decibels linear (dB).

“**ambient (or total) noise**” at a place, means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

“**annual exceedance probability**” means the probability that the given event will be exceeded within a one-year period.

“**appropriately qualified person**” means a person or body possessing appropriate experience and qualifications to perform these tasks.

**“ARD”** means acid rock drainage and refers to the low pH, high heavy metal pollutant typical of sulphidic mine wastes, and most commonly associated with the production of ferrous iron and sulphuric acid through the oxidation of sulphide minerals.

**“authority”** means environmental authority under the *Environmental Protection Act 1994*.

**“background noise level”** means noise, measured in the absence of the noise under investigation, as either:

- L A90,T being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than 15 minutes, using Fast response, or
- L LAbg,T being the arithmetic average of the minimum readings during a representative time period of not less than 15 minutes, using Fast response.

**“blasting”** means the use of explosive materials to fracture-

- (a) rock, coal, and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse.

**“Certification Notice”** means notice as issued under section 318ZJ of the EP Act for a certified progressive rehabilitation area.

**“certified progressive rehabilitation area”** means area of rehabilitation that has been certified under Part 6 Chapter 5A the EP Act and issued a notice under section 318ZJ of the EP Act.

**“commercial place”** means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

**“construction”** in relation to tailings dams includes building a new dam and modifying or lifting an existing dam.

**“dam”** means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert, or control flowable substances. However, this does not include a fabricated or manufactured tank or container designed to a recognised standard.

**“dB (Linear) Peak”** is the maximum reading in decibels (dB) obtained using the “P” time – weighting characteristic as specified in AS 1259.1 – 1990 with all frequency – weighted networks inoperative.

**“design plan”** - in the context of a dam design is the documentation required under the “Code of Environmental Compliance for High Hazard Dams Containing Hazardous Waste” to describe the physical dimensions of the dam, the materials, and standards to be used for construction of the dam, the procedures, and criteria to be used for operating the dam and the decommissioning and rehabilitation objectives in terms procedures, works and outcomes at the end of dam life. The documents can include design and investigation reports, drawings, specifications, and certifications.

**“design plan in the context of a dam design”** is the documentation required under the Code of Environmental Compliance for High Hazard Dams Containing Hazardous Waste to describe the physical dimensions of the dam, the materials and standards to be used for construction of the dam, the procedures and criteria to be used for operating the dam and the decommissioning and rehabilitation objectives in terms procedures, works and outcomes at the end of dam life, The documents can include design and investigation reports, drawings, specifications and certifications.

**“design storage allowance”** as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

**“declared plant”** means a plant that has been declared under *the Rural Lands Protection Act 1985*.

**“environmental authority holder”** means the environmental authority holder.

**“environmental nuisance”** is unreasonable interference or likely interference with an environmental value caused by:

- (a) noise, dust, odour, light; or
- (b) an unhealthy, offensive, or unsightly condition because of contamination; or
- (c) another way prescribed by regulation.

**“flowable substance”** means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

**“foreseeable future”** is the period used for assessing the total risk of an event occurring. Permanent structures and ecological sustainability should be expected to still exist at the end of a 150-year foreseeable future with an acceptable risk of failure before that time.

**“hazardous waste”** means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

**“high hazard dam” means** a dam defined as high hazard in the EPA Information Sheet on Determining Dams Containing Hazardous Waste.

**“infrastructure”** means water storage dams, roads and tracks, buildings and other structures built for the purpose of mining activities but does not include facilities required for the long terms management of mining impacts or the protection of potential resources. Such facilities include dams containing hazardous waste, waste rock dumps, voids, or ore stockpiles and buildings or other structures whose ownership can be transferred, and which have a residual beneficial use for the next owner of the operational land or the background landowner.

**“L<sub>Amax adj,T</sub>”** means the average maximum A-weighted sound pressure level, adjusted for noise character, and measured over a period of not less than 15 minutes, using Fast response.

**“L<sub>Ar, 1 hour</sub>”** means the specific noise level measured as the A-weighted equivalent continuous noise level (L<sub>Aeq</sub>) plus any adjustment for the character of the noise (tonal and/or impulsive) determined over a reference time period of one hour.

**“land”** in the “land Schedule 2” of this document means land excluding waters and the atmosphere.

**“land capability”** as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

**“land suitability”** as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

**“land use”** term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

**“leachate”** means a liquid that has passed through or emerged from or is likely to have passed through or emerged from, a material stored, processed, or disposed of at the operational land which contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

**“mandatory reporting level”** the volume below the spillway crest, equivalent to the lower of the AEP, 72-hour storm or the AEP wave allowance (AEP is the annual exceedance probability).

**“Maximum Instantaneous Charge (MIC)”** is the maximum amount of explosive on any one specific delay detonator in any one blast hole.

**“maximum”** means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

**“MaxLpA,T”** means the maximum A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.

**“median”** means the middle value, where half the data are smaller, and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two middle values.

**“mg/kg”** means milligrams per kilogram.

**“mg/L”** means milligrams per litre.

**“minimum”** means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

**‘monitoring bore’** mean compliance or interpretation bore’s

- a) **Compliance bore** – a groundwater monitoring bore subject to compliance requirements for both groundwater quality and level.
- b) **Interpretation bore** – a groundwater monitoring bore used for comparative and interpretative purposes as against the compliance bore to represent natural background quality and levels. Locations for interpretation bores must be selected such that they will not be impacted by mining activities.

**“ng/L”** means nanograms per litre.

**“noise sensitive place”** means:

- a legal dwelling, caravan park, residential marina, or other residential premises; or
- a motel, hotel, or hostel; or
- a kindergarten, school, university, or other educational institution; or
- a medical centre or hospital; or
- a protected area; or
- a public park or gardens.

and includes the curtilage of any such place.

**“noxious”** means harmful or injurious to health or physical wellbeing, other than trivial harm.

**“offensive”** means causing unreasonable offence or displeasure; is unreasonably disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

**“peak particle velocity (ppv)”**, is a measure of ground vibration magnitude and is the maximum instantaneous particle velocity at a point during a given time interval in mms<sup>-1</sup>. (Peak particle velocity can be taken as the vector sum of the three component particle velocities in mutually perpendicular directions).

**“percent slope”** means is simply the slope of a line displayed as a percentage instead of a ratio of rise to run

**“protected area”** means:

- a protected area under the *Nature Conservation Act 1992*; or
- a marine park under *the Marine Parks Act 1992*; or
- a World Heritage Area.

**“progressive rehabilitation”** means rehabilitation (defined below) undertaken progressively OR a staged approach to rehabilitation as mining operations are ongoing.

**“range”** means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.

**“rehabilitation”** means the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

**“representative”** means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

**“residual void”** means an open pit resulting from the removal of ore and/or waste rock, which will remain following the cessation of all mining activities and completion of rehabilitation processes.

**“sediment dam”** means a structure for the capture and treatment of stormwater runoff contaminated only by sediments from disturbed areas and which discharge off-site once full.

**“self-sustaining”** means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

**“sensitive place”** [e.g. odour and dust] has the same meaning as and includes a noise sensitive place and a commercial place.

**“significant disturbance”** – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
  - i. to a state required under the relevant environmental authority; or
  - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed, or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland, or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g., roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc), which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

**“spillway”** means the passage or outlet from the dam through which surplus water flows.

**“spillway crest”** means the highest point (elevation) of the spillway, above which water will flow along the spillway and discharge from the dam if the flow rate is sufficient.

**“stable”** means land-form dimensions are or will be stable within tolerable limits now and in the foreseeable future. Stability includes consideration of geotechnical stability, settlement and consolidation allowances, bearing capacity (traffic ability), erosion resistance and geochemical stability with respect to seepage and contaminant generation.

**‘suitably qualified and experienced person’** in relation to dams means a person who is a Registered Professional Engineer of Queensland under the provisions of the Professional Engineers Act 1988 or a Corporate Member of the Institution of Engineers Australia or holds equivalent professional qualifications and has the following: (a) knowledge of engineering principles related to the structures, geomechanics, hydrology, hydraulics, chemistry and environmental impact of dams; and (b) at least a total of five years of suitable experience and demonstrated experience in at least four of the following areas: investigation, design, or construction of dams, operation and maintenance of dams, geomechanics with particular emphasis on stability, geology and geochemistry, hydrology with particular reference to flooding, estimation of extreme storms, water management or meteorology, hydraulics with particular reference to sediment transport and disposition, erosion control, beach processes, and hydrogeology with particular reference to groundwater, solute transport processes and monitoring thereof; and dam safety.

**“the holder”** means the environmental authority holder.

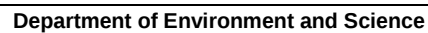
**“Total Organic Carbon”** (“TOC”) means the sum of all compounds of carbon which contain at least one carbon to carbon bond plus methane and its derivatives. For the purpose of measurement 1 gram of TOC is deemed to have the same flame ionisation response as 1 gram of hexane.

**“tolerable limits”** means that a range of values could be accepted to achieve an overall environmental management objective (e.g., a range of settlement of a tailing capping could still meet the objective of draining the cap quickly, preventing pondage and limiting infiltration and percolation).

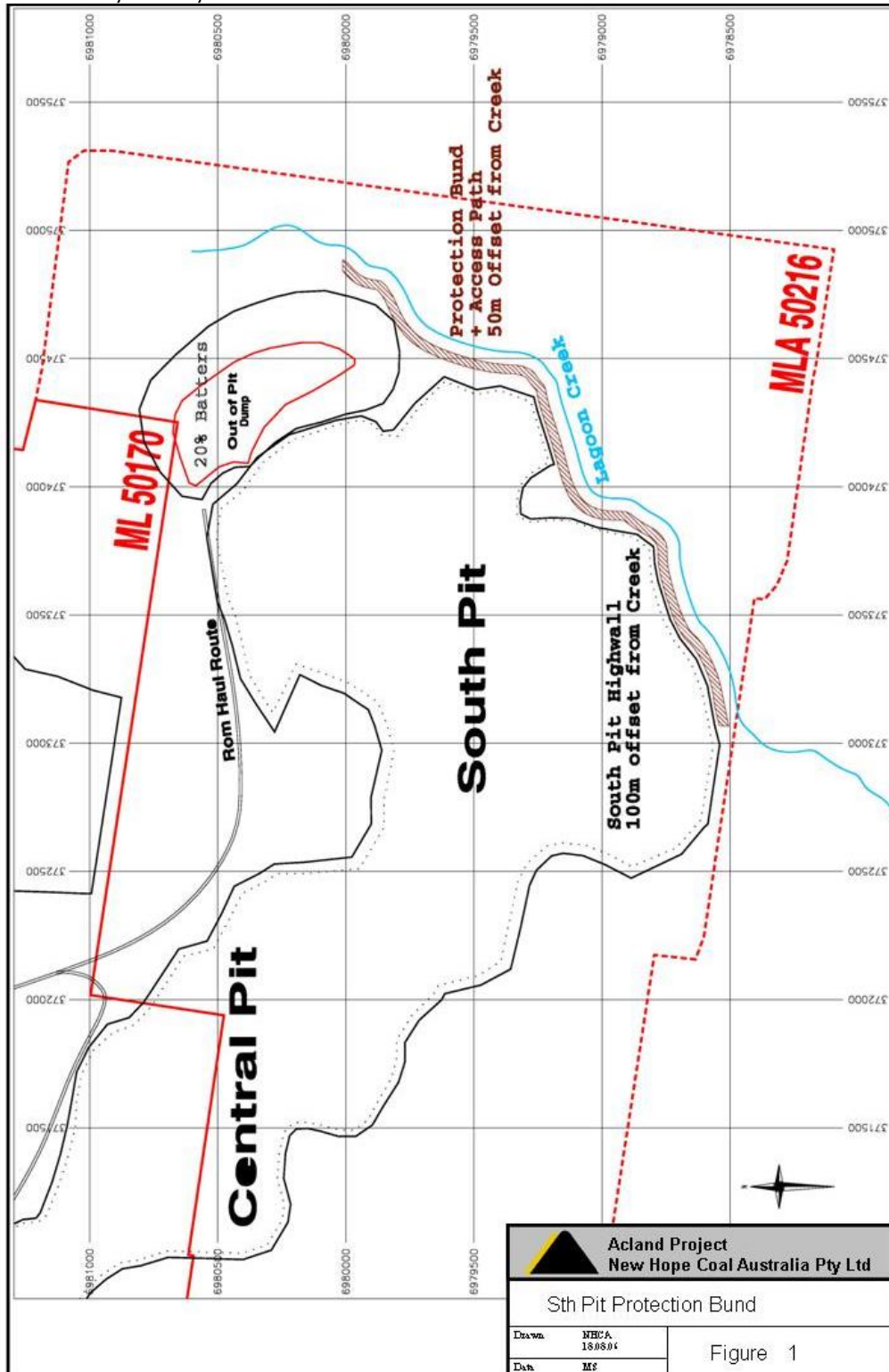
**“waters”** - includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water in natural or artificial watercourses, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater or any part thereof.

**“WaTERS”** – Water Tracking and Electronic Reporting System or subsequent updated system, used to submit monitoring data and notify the Queensland Government [ <https://waters.des.qld.gov.au/> or contact [psd.help@qld.gov.au](mailto:psd.help@qld.gov.au) ].

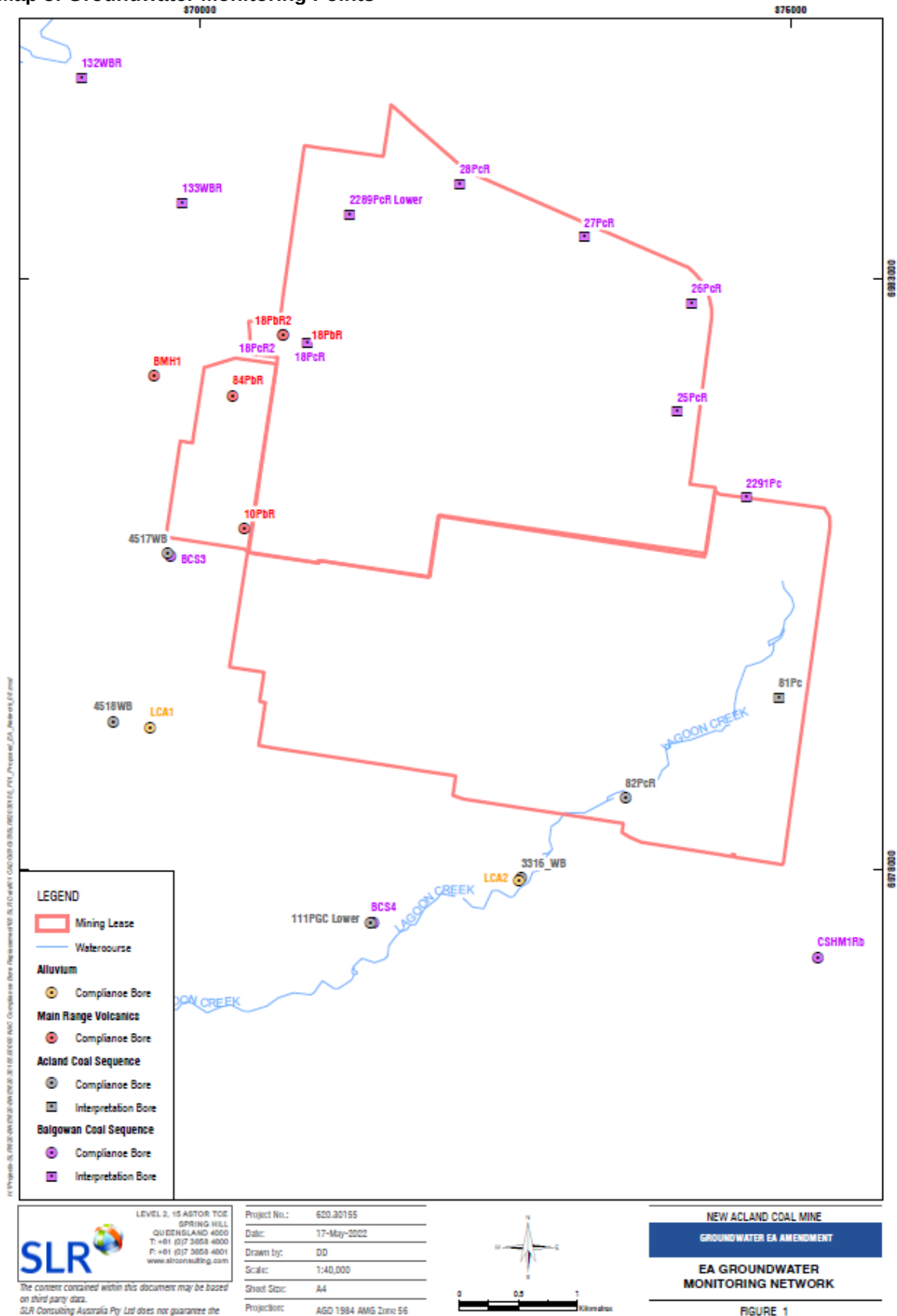
#### END OF DEFINITIONS



Map 2: Lagoon Creek, buffer, and levee



Map 3: Groundwater Monitoring Points



**END OF PERMIT**