

# Environmental Effects Report Guidelines

Wallaroo Contracting Pty Ltd  
Greenlawn Quarry Expansion,  
Off Tasman Highway, Bicheno

*August 2024*



ENVIRONMENT PROTECTION AUTHORITY

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## Glossary and abbreviations

Term	Definition
Board	Board of the Environment Protection Authority
Case for assessment	Information required for environmental impact assessment, prepared according to the Board's requirements.
Director	Means the Director, Environment Protection Authority holding office under Section 18 of <i>Environmental Management and Pollution Control Act 1994</i> and includes a delegate or person authorised in writing by the Director to exercise a power or function on the Director's behalf.
EER	Environmental Effects Report
EMPCA	<i>Environmental Management and Pollution Control Act 1994</i>
EPA	Environment Protection Authority. Tasmania's independent principal environmental regulator which administers EMPCA and consists of a Board and a Director.
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999 (Commonwealth)</i>
LUPAA	<i>Land Use Planning and Approvals Act 1993</i>
NCA	<i>Nature Conservation Act 2002</i>
Noise sensitive premises	Residences and residential zones (whether occupied or not), schools, hospitals, caravan parks and similar land uses involving the presence of individual people for extended periods, except in the course of their employment or for recreation.
Planning Authority	Council for relevant local government area
TSPA	<i>Threatened Species Protection Act 1995</i>

# Introduction

## Purpose of the Guidelines

These Guidelines provide instructions for proponents on how to prepare an Environmental Effects Report (EER) for an activity being assessed in Tasmania by the Board of the Environment Protection Authority (the Board). An EER is a document that provides information about the environmental impacts of the proposed activity and the proposed mitigation measures. The Board uses the EER as a 'case for assessment', to assess the environmental impact of an activity, as required under the *Environmental Management and Pollution Control Act 1994* (EMPCA).

Guidelines will be adapted for each proposal, where Part B and Part C include project-specific information requirements. The EER must be prepared in accordance with the project-specific Guidelines, which are issued under section 74(4) of EMPCA.

The EER will be advertised during the public consultation period and remain publicly available on the EPA website. After consultation, the proponent may be required to supply additional information in response to public and government agency submissions. This generally takes the form of a Supplement to the EER.

Further information is available on the [EPA Assessment Process](#)<sup>1</sup> website.

## Preparing an EER

The EER should contain five parts as follows:

- Part A – information about the proponent
- Part B – information about the proposal, site and area
- Part C – information about potential environmental impacts
- Part D – description of the proposed management measures
- Part E – description of any public consultation undertaken.

Other relevant information, such as survey reports, should be attached to the EER as appendices.

The EER must be typed, A4 sized and submitted electronically (in a searchable format). All images must be of high quality, have a descriptive caption, and be capable of being easily copied and pasted into other documents such as a permit (i.e. all objects should be 'grouped'). All maps, plans, and aerial photographs must be oriented in the same direction as far as practicable, and include a north arrow and scale.

The content of the EER should be prepared using a risk-based approach. The level of detail provided on each issue should be appropriate to the level of significance of that environmental issue to the proposal. Not all issues nominated in these Guidelines will have the same degree of relevance to the proposed activity. Depending on the nature of the proposed activity and its location, some of the issues may be more relevant than others, while others may not be applicable at all.

Where the proposal is for a production increase/intensification of the activity, the EER must provide a case for assessment of the entire activity at the proposed production level.

## Submitting an EER

It is strongly recommended that proponents submit a draft EER to the EPA for review prior to formal lodgement of the EER with the Board.

The EER (and any drafts submitted for review) may be submitted via email to [assessments@epa.tas.gov.au](mailto:assessments@epa.tas.gov.au) and your nominated contact officer. Proponents should contact the EPA if alternative submission methods are deemed necessary.

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<sup>1</sup> Available at <https://epa.tas.gov.au/assessment/assessment-process>

## Planning Information

Where the proposal is subject to a permit under the *Land Use Planning and Approvals Act 1993* (LUPAA), information required solely for the purpose of assessment under the relevant Planning Scheme should be supplied to Council either:

- as a separate response to an additional information request from Council under section 54 of LUPAA, where the planning application has commenced the environmental assessment process; or
- where it forms part of a combined planning and Environmental Effects Report, distinguished from information supplied for the purpose of the Board's assessment.

## Commonwealth Legislation

The Commonwealth Government may also have a role in the environmental assessment and approval of the proposed activity. Approval under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) is required for an action which is on Commonwealth land or is likely to have a significant impact on a matter of national environmental significance.

Information on the EPBC Act can be obtained from the [Australian Government Department of Climate Change, Energy, the Environment and Water](https://www.environment.gov.au/climate-change-energy-environment-and-water) website<sup>2</sup>, or by calling 1800 803 772.

**The EER must include a statement on whether Commonwealth approval is likely to be required.**

## Environment Protection Authority Contact

For information about the assessment process, contact the Environmental Assessment Branch:

GPO Box 1550

Hobart, Tasmania 7001

Telephone: 03 6165 4599

Email: [assessments@epa.tas.gov.au](mailto:assessments@epa.tas.gov.au)

Website: [www.epa.tas.gov.au](http://www.epa.tas.gov.au)

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<sup>2</sup> Available at [www.dcceew.gov.au/environment/epbc](https://www.dcceew.gov.au/environment/epbc)

## Content of EER

### Part A – Proponent Information

Provide the following information regarding the proponent:

<b>Proponent entity name</b>	(Consistent with any intended or current permit application for the activity under LUPAA)
<b>Proponent trading name</b>	
<b>Registered address of proponent</b>	
<b>Postal address of proponent</b>	
<b>ABN/ACN of proponent</b>	
<b>Contact person's details</b>	Name Telephone number Email address
<b>Consultant's details</b>	Name Telephone number Email address

If a different entity will operate the activity after construction, provide similar details for that entity also.

## Part B – Proposal Description

Where the proposal is subject to a permit application under LUPAA, the proposal description and specification of the site must be consistent with the intended or current permit application. Any works or activity that are for the purpose of the proposal (e.g. access works) must be included. If the proposed activity is associated with an existing activity (an intensification, expansion or modification), provide details of any current regulatory approvals (permit, license, environment protection notice, mining lease, etc) relating to the existing activity.

### I Description of proposed activity

Complete the following tables and provide additional text, diagrams or flowcharts as required.

#### Proposed Activity

<b>Activity</b>	Provide a general description of the proposed activity, including the classification of the activity under Schedule 2 of EMPCA.
<b>New or existing?</b>	State if this is an intensification/modification of an existing activity or a new activity.
<b>Product</b>	Describe the product and forecast life of the activity.
<b>Maximum extraction quantity</b>	Provide in cubic metres and tonnes per year, and state the conversion factor. Briefly describe any seasonal variation. If it is an intensification, also provide the current extraction limit in cubic metres and tonnes per year.
<b>Maximum processing quantity</b>	Provide in cubic metres and tonnes per year (i.e. crushing, grinding, screening). If it is an intensification, provide the current processing (crushing/screening) limits in cubic metres and tonnes per year.
<b>Method/s</b>	State the method(s) of material extraction and processing and main items of equipment involved.
<b>Transport</b>	Describe the proposed transport route (can refer to figures), vehicle types, number of vehicle movements (per day), and time of day of vehicle movements.
<b>Stockpiling</b>	State the materials that will be stockpiled on site.
<b>Area of disturbance</b>	State: <ul style="list-style-type: none"> <li>• Maximum area of the site proposed to be disturbed (un-rehabilitated) at any time, in hectares.</li> <li>• Total area of land to be cleared over the life of the proposal, in hectares.</li> </ul>
<b>Major equipment</b>	List all existing and proposed plant/machinery and other temporary or permanent equipment (distinguish between existing and proposed).
<b>Infrastructure</b>	List the existing and proposed buildings, structures, access roads, internal haul roads, etc (distinguish between existing and proposed).
<b>Proposal timeline</b>	State the key proposal timeline(s).
<b>Operating hours</b>	State the proposed operating hours and days.

#### Location and planning context

<b>Location</b>	State the address of the site, and CTs and PIDs (as applicable) for all titles on which the activity will take place.
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<b>Planning permit</b>	Confirm whether a Planning Permit is required under LUPAA. As an appendix, provide written advice from Council stating the requirement, if a planning application has not already been lodged.
<b>Land zoning and tenure</b>	Describe the land zoning and tenure of the site and surrounds. If rezoning of the site is required, provide details.
<b>Use Class and Permissibility</b>	If a permit is required under LUPAA, state the Use Class and Permissibility of the activity under the relevant Planning Scheme.
<b>Mining lease (ML)</b>	Provide the ML reference number(s) and status (granted/applied for).
<b>Lease area</b>	State the size of the lease area(s).

### Description of site and surrounds

<b>Land use</b>	Describe the land use of the site and surrounds, distance to the nearest residences, and any nearby conservation reserves or recreation areas.
<b>Topography</b>	Describe the topography of the site and surrounds.
<b>Climate</b>	State the annual rainfall, average temperatures and predominant wind direction (provide wind roses if possible).
<b>Geology</b>	Describe the geology of the site, including the likelihood that potentially acid forming (PAF) material will be found on site. Describe any geoconservation values on or near the site (e.g. karst).
<b>Soils</b>	Describe the soils on the site (including erodibility), and state whether there is potential to encounter acid sulphate soils and/or contaminated soil.
<b>Hydrology</b>	Describe the waterbodies and aquatic values on site and in the surrounding area. State the distance from the activity to the nearest waterbody.
<b>Natural Values</b>	State the vegetation types on and near the site. List the threatened fauna, flora and vegetation communities known to occur on or near the site (use the <a href="#">Natural Values Atlas</a> , <a href="#">TASVEG 4.0</a> <sup>3</sup> or results of a relevant survey).

## 2 Maps and site plan/s

To enhance understanding of the proposal, spatial information should be presented in maps, plans, diagrams and photographs. These must be of high quality and reproducible in monochrome with all text and relevant features clearly visible. Maps and plans should include a north arrow and scale. When spatial data (including maps, plans, grid coordinates and heights) are provided or referred to, the coordinate reference system must be specified. At a minimum, provide the following:

- **General Location Map** (1:25,000 or other suitable scale), showing the Mining Lease, the nearest residences in other ownership, other sensitive uses<sup>4</sup> and residential zones within 1.5 km of the proposed activity and within the applicable attenuation distance<sup>5</sup>, and the transport route(s) to and from the activity.
- **Map of the Land** on which the activity will take place and its boundary; by means of land title information, map coordinates or other. The Land as defined by this figure must be consistent with any permit application submitted under LUPAA (i.e., the Land cannot extend beyond the land titles

<sup>3</sup> Both can be accessed at <https://www.naturalvaluesatlas.tas.gov.au/>

<sup>4</sup> Defined in the State Planning Provisions as 'a residential use or a use involving the presence of people for extended periods except in the course of their employment such as a caravan park, childcare centre, dwelling, hospital or school.'

<sup>5</sup> Refer to relevant planning scheme or State Planning Provisions



referenced in the permit application). This figure may be combined with the Site Plan. The boundary of the Land should also be provided to the Board in a geospatial vector format (shapefile or DXF).

- **Proposed activity footprint**

Provide a definition of the boundary of the maximum extent of proposed activity footprint. This definition is to inform any environmental conditions issued by the Board. This may be done using either cadastral boundaries, or accurate grid coordinates. If cadastral boundaries are not able to be used, provide both of the following:

- A plan which clearly shows the boundary of the proposed construction works and operational area in relation to topographic features with accurate grid coordinates.
- The boundary of the proposed activity footprint in a geospatial vector format (shapefile or DXF).

- **Site Plan(s)** showing:

- the boundary of the site
- the location of existing and proposed buildings/structures and plant and machinery
- the location of product, overburden, soil, and waste stockpiles
- the planned development (staging) of the quarry or extractive pit
- the location and orientation of benches and development of infrastructure at key stages
- watercourses on and near the site
- site water management (drains, settling ponds, bunding and monitoring points, as relevant)
- vegetation types, clearly marking areas to be cleared, and records of any threatened species/vegetation communities.

### 3 Project rationale and alternatives

- Explain the rationale for the proposal.
- Evaluate the benefits and disadvantages of any alternative options that have been considered.

### 4 Existing activity

- As the proposed activity is associated with an existing activity, provide the following information in relation to the existing activity:
  - a summary of environmental monitoring results
  - a summary of public complaints regarding the activity (received by the activity operator and by regulatory authorities)
  - details of breaches of conditions of current regulatory approvals (if any)
  - details of contraventions of environmental law (if any).

## Part C – Environmental Impacts and Management

The EER should evaluate all potential impacts of the proposal, with the level of detail provided on each issue reflecting its level of significance. For each issue, describe how the impact assessment has been performed (for example, surveys or desktop studies). Describe the existing environment in relation to the impact, including the vulnerability of the potentially affected environment. Clearly articulate the potential impacts, identifying plausible worst-case scenarios and the reversibility of the impact. Then, describe the management or contingency measures proposed to avoid, mitigate or offset potential adverse impacts. Detail any specialist recommendations which have/will be implemented, or justify otherwise. Finally, analyse how and to what degree the impacts will have been avoided, minimised or offset, and any residual impacts.

Information from documentation relating to the existing activity (such as an Environmental Management Plan or survey reports) may be used or referenced in this EER, provided the information is current.

### I Air quality

The air quality assessment should detail potential impacts of the proposal on local air quality and provide evidence that the activity would not cause environmental nuisance or harm. In addition to assessing the aspects of air pollution and dust control described in section 7.5 of the *Quarry Code of Practice*, the air quality assessment should:

- Provide a site map including the land boundary, showing all sensitive receptors that could potentially be affected by fugitive dust and particulate matter emissions from activities at the quarry, especially during unfavourable meteorological conditions.
- Describe the existing environment including climatic/meteorological conditions, terrain, land use and air quality in the vicinity of the proposal.
- Provide a figure showing the locations, names, and descriptions of all sources of dust emissions from the site. This includes but is not limited to dust generated from the disturbed topsoil, stockpiles, excavating, screening, loading, and traffic movements to and from the site.
- Provide details of the materials handled and equipment used on the site. Provide the locations of the equipment.
- Discuss and assess the potential impact of fugitive dust and particulate matter emissions from the proposed activity on the environment and the likelihood for the activity to cause environmental nuisance or harm at or beyond the site boundary. Consider the existing environment (local terrain and meteorological conditions including annual rainfall, the direction and strength of prevailing winds) and land use in the vicinity of the quarry (particularly proximity of sensitive receptors).
- Describe measures that will be employed to reduce dust movement from the site, especially during unfavourable meteorological conditions. Provide information about water supply and considerations for water availability in response to the potential impact of the future climate, such as the possibility of increasing unseasonal dry periods.
- Provide details of any dust complaints received in the last 5 years regarding the existing operations.
- Demonstrate that the assessment is consistent with the requirements of the [Tasmanian Environment Protection Policy \(Air\)](#)<sup>6</sup> and any supplementary documents (including the [Board Statement Jan 2022](#)).

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<sup>6</sup> Available at [https://epa.tas.gov.au/Documents/EPP\\_Air\\_Quality\\_2004.pdf](https://epa.tas.gov.au/Documents/EPP_Air_Quality_2004.pdf)

## 2 Water quality (surface, discharge and groundwater)

- Describe the potential impacts of the activity on the receiving environment, with specific consideration of sediment movement, waterway disturbance, seepage and surface water quality, environmental values and downstream water uses.
- Describe the management measures that will be employed to control surface water and reduce the potential for erosion and sediment loss. Control measures may include: minimisation of areas of disturbance; minimisation of stormwater ingress and sediment mobilisation through the use of perimeter drains, cut-off drains and bunding; sediment basins or stilling areas to capture entrained sediment; and swales, rock filters, wetlands or vegetated discharge zones to remove fine suspended sediment.
- Describe any other management measures proposed to minimise impact on waterways and aquatic values.
- Identify the dimensions, capacity and other relevant design features of key stormwater infrastructure such as drains and sediment basins, with reference to design rainfall frequency (average recurrence interval) and intensity. For sediment basins provide the sediment capture particle size, settling volume and surface area calculations and design rationale<sup>7</sup>.
- Describe the waterbodies and aquatic values on site and in the surrounding area, including relevant Protected Environmental Values as per the [State Policy on Water Quality Management 1997](#).<sup>8</sup>
- State the distance from the activity to the nearest waterbody.
- Provide details of any proposed water monitoring activities.
- Demonstrate that the proposal is consistent with the [State Policy on Water Quality Management 1997](#).<sup>8</sup>

## 3 Noise emissions

- Describe all noise sources, including the size and sound power level for each main piece of equipment (e.g. crusher/screen, loader, excavator, haul truck, rock drill).
- Provide a map of the location of all major sources of noise and any noise sensitive premises<sup>9</sup> within 3km of the boundary of the Land.
- Describe the potential impacts on any noise sensitive premises of noise generated by the activity.
- Provide a statement as to whether blasting will be undertaken, and if so, the likely blast charge, frequency of blast events (per year) and discussion of potential for blast effects (ground vibration and air-blast overpressure) to impact nearby residences.
- Evaluate the potential for the activity to create a noise nuisance, including transport to and from the site, taking into consideration the:
  - distance to nearest residences and other noise sensitive premises
  - acceptable standards described in section 7 of the *Quarry Code of Practice*<sup>10</sup>
  - hours of operation

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<sup>7</sup> Suitable design approaches for sediment basins include those detailed in Best Practice Erosion and Sediment Control – Appendix B (June 2018 revision), International Erosion Control Association (Australasia) and Managing Urban Stormwater: Soils and Construction - Volume 2e: Mines And Quarries, Department of Environment and Climate Change, NSW Government (2008) available at <https://www.austieca.com.au/documents/item/697>

<sup>8</sup> Available at [https://epa.tas.gov.au/Documents/State\\_Policy\\_on\\_Water\\_Quality\\_Management\\_1997.pdf](https://epa.tas.gov.au/Documents/State_Policy_on_Water_Quality_Management_1997.pdf)

<sup>9</sup> 'Noise sensitive premise' is defined as: residences and residential zones (whether occupied or not), schools, hospitals, caravan parks and similar land uses involving the presence of individual people for extended periods, except in the course of their employment or for recreation.

<sup>10</sup> Available at <https://epa.tas.gov.au/business-industry/regulation/industrial-activities/mining-and-extractive>

- method of excavation and processing/handling on site
- topography
- site layout showing locations of activities (refer to the Site Plan)
- type, volume and time of traffic associated with the proposal.
- Describe the noise attenuation measures that will be implemented.
- Demonstrate that the proposal is consistent with environmental performance requirements, including any identified in the [Environment Protection Policy \(Noise\) 2009](#).<sup>11</sup>

#### 4 Natural values

- Provide records from the [Natural Values Atlas](#) and [TASVEG 4.0](#)<sup>12</sup> of any listed threatened flora/fauna species or threatened vegetation communities on or near the site.
- Undertake a Natural Values Assessment by a suitably qualified person, including a survey, of the activity area for threatened flora, fauna and vegetation communities. The survey should include consideration as to whether any habitat for the species listed in Table 1 is present, a check of mature trees for hollows that may potentially provide nests for masked owls or swift parrots, potential or actual denning habitat for the Tasmanian devil and spotted-tailed quoll and potential habitat for the chaostola skipper. Potential habitat and receiving environment for *Littoria raniformis* (green and gold frog) should also be considered.

**Table 1 Observed Threatened Flora and Fauna listed under the TSPA and EPBCA within 5 kilometres of the Proposal**

Species	Common name	TSPA	EPBCA
<i>Antipodia chaostola subsp. leucophaea</i>	chaostola skipper	endangered	Endangered
<i>Aquila audax subsp. fleayi</i>	Tasmanian wedge-tailed eagle	endangered	Endangered
<i>Bertya tasmanica subsp. tasmanica</i>	Tasmanian bertya	endangered	Endangered
<i>Callitris oblonga subsp. oblonga</i>	South Esk pine	vulnerable	Endangered
<i>Dasyurus maculatus subsp. maculatus</i>	spotted-tailed quoll	rare	—
<i>Epacris apsleyensis</i>	Apsley heath	endangered	Endangered
<i>Haliaeetus leucogaster</i>	white-bellied sea-eagle	vulnerable	—
<i>Sarcophilus harrisii</i>	Tasmanian devil	endangered	Endangered
<i>Stenanthemum pimeleoides</i>	propeller plant	vulnerable	Vulnerable
<i>Spyridium vexilliferum var. vexilliferum</i>	helicopter bush	rare	—

- The proposed expansion is within the core habitat range for swift parrots (*Lathamus discolor*), listed as endangered under the TSPA and Critically Endangered under the EPBCA, and may involve clearing approximately 0.2 hectares of vegetation which is mapped as threatened vegetation community (DGL) and considered foraging habitat for the swift parrot. Any tree in this area with a diameter at breast height (DBH) of 70cm or more is considered to have the capacity to bear hollows large enough to be suitable nesting habitat for swift parrots. Any nesting habitat within 10 km of foraging habitat may be used for breeding. The clearing/burning of these vegetation types

<sup>11</sup> Available at [https://epa.tas.gov.au/policy/statutory-policies/state-policies-and-environment-protection-policies/environment-protection-policy-\(noise\)-2009](https://epa.tas.gov.au/policy/statutory-policies/state-policies-and-environment-protection-policies/environment-protection-policy-(noise)-2009)

<sup>12</sup> Both can be accessed at <https://www.naturalvaluesatlas.tas.gov.au/>

should be avoided and it is recommended that the development footprint is amended to exclude potential swift parrot habitat on site from clearance. If avoidance is not possible, clearance to these vegetation types should be minimised and undertaken outside the swift parrot breeding season (September to January) if the species is breeding in the area. Provide justification for any proposed clearing or disturbance of threatened vegetation communities or potential swift parrot habitat.

- The *Tasmanian wedge-tailed eagle nesting habitat – Low (under 850 m) Elevation Model* (LISTmap) indicates a moderate to high likelihood of eagle nesting habitat to the west, north-west and north of the proposal site. The NVA should include either:
  - an assessment by a suitably qualified person of the potential risk of impacts to any nests which may be present in these areas posed by the proposed activity, in the context of the existing land use; or
  - the results of a survey for nests in the areas mapped as having a moderate-high likelihood of supporting an eagle nest, and consideration of potential impacts to any detected nests. Searches for the presence of nests should be undertaken outside of the breeding season management constraint period (July to January, inclusive). It is recommended that nest searches are carried out by at least one assessor who has attended and passed an FPA/NRE Tas approved eagle management course ([see section 6.4 FPA Fauna Technical Note 1](#)).
- Provide details and results of the flora or fauna surveys undertaken on the site. Surveys must comply with the requirements of the *Guidelines for Terrestrial Natural Values Surveys related to Development Proposals*<sup>13</sup> and any relevant species-specific guidelines. The survey report must be appended to the EER.
- Detail any proposed clearing or disturbance of native vegetation or potential habitat for native fauna as part of the proposal, including details of the nature of vegetation and habitat values to be cleared or disturbed, and the area of vegetation affected (in hectares).
- Describe the potential impacts of the proposal to threatened fauna, flora and vegetation communities, taking into account:
  - The clearance or disturbance of native vegetation or other potential habitat. Provide details of the vegetation and habitat values to be cleared or disturbed, and the area to be affected, in hectares.
  - Movement, noise, or lights during sensitive avifauna breeding seasons.
- Describe the potential impacts to geoconservation sites (e.g. karst systems), aquatic or riparian environments and other natural values, and the management measures proposed to mitigate these impacts.
- Discuss the environmental impacts associated with vehicle movements and address roadkill mitigation measures where relevant. An increase in night-time (between one hour before sunset and one hour after sunrise as defined by the Bureau of Meteorology) traffic on internal and nearby roads of more than 10% combined with a high abundance of Tasmanian Devils and/or Tasmanian Devil roadkill records in the Natural Values Atlas is considered significant regarding likely impacts on the Tasmanian Devil. See the [Survey Guidelines and Management Advice for Development Proposals that may impact on the Tasmanian Devil \(\*Sarcophilus harrisii\*\)](#)<sup>14</sup> for more information
- Describe the management measures that will be implemented to mitigate or avoid impacts to threatened fauna, flora and vegetation communities or other natural values.

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<sup>13</sup> Available at <https://nre.tas.gov.au/conservation/development-planning-conservation-assessment/survey-guidelines-for-development-assessments>

<sup>14</sup> Available at <https://nre.tas.gov.au/Documents/Devil%20Survey%20Guidelines%20and%20Advice.pdf>

## 5 Weeds, pests and pathogens

- List the weeds<sup>15</sup>, pests and pathogens occurring on or near the site.
- Evaluate the potential for the activity to introduce or spread weeds and diseases to, from and within the site.
- Discuss the proposed management measures for preventing the spread of weeds, pests and pathogens (e.g. vehicle washdown procedures).

## 6 Waste

- Describe the solid and liquid waste that will be produced by the activity (e.g. overburden, Potentially Acid Forming material, metal and machinery service wastes, used oils, general refuse).
- Describe the proposed methods for avoidance, reuse, recycling, treatment and disposal of waste.

## 7 Environmentally hazardous substances

- Detail the nature and quantity of any environmentally hazardous substances<sup>16</sup> that will be stored (permanently or temporarily) and/or handled on site. This includes fuels, oils, waste and chemicals.
- Describe the storage method and location of any environmentally hazardous substances and discuss the proposed management measures to prevent release and respond to accidental spills (e.g. provision of spill kits).
- Identify any dangerous goods<sup>17</sup> and controlled wastes<sup>18</sup> that will be present on the site, with reference to standard classification. Detail how they will be managed.

## 8 Site contamination

- Has the site on which the activity is to be located been used in the past for activities which may have caused soil or groundwater contamination? If so, provide details. Include details of any assessments of soil or groundwater contamination on the site.

## 9 Other off-site impacts

- Does the activity have the potential to generate any other off-site impacts that may affect the amenity of residences or other sensitive uses (such as schools and hospitals)? If yes, provide details. The location of all nearby residences or other sensitive uses must be clearly shown on the area map (see Part B).

## 10 Monitoring

- Describe any proposed environmental monitoring and reporting for the activity.
- Show all proposed monitoring points on the site plan (see Part B).

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<sup>15</sup> Weed means a plant species that has, or is likely to have, an adverse impact on the environment because of the introduction, spread or increase in population size of the species in an area; and includes a declared weed as defined in the *Biosecurity Act 2019* and subordinate regulations.

<sup>16</sup> 'Environmentally hazardous substance' is defined as: any substance or mixture of substances of a nature or held in quantities which present a reasonably foreseeable risk of causing serious or material environmental harm if released to the environment.

<sup>17</sup> As defined in the Australian Code for the Transport of Dangerous Goods by Road and Rail.

<sup>18</sup> Information on controlled waste identification and classification is available at <https://epa.tas.gov.au/business-industry/regulation/waste-management/controlled-waste>

## 11 Decommissioning and rehabilitation

- Describe the proposed decommissioning and rehabilitation measures in the event of cessation of the activity.
- Describe any proposed progressive rehabilitation measures, with reference to the staged development of the quarry/extractive pit (refer to the Site Plans as relevant).

## 12 Greenhouse gas emissions and climate change

- Describe how the proposal will implement best practice environmental management in energy consumption and in transport of materials to and from the proposed activity, to minimise greenhouse gas emissions.
- Discuss the impacts of the proposed activity in relation to Tasmania's climate change strategy<sup>19</sup>.
- Describe the potential impacts of climate change upon the proposal. For example, it may be appropriate to plan for more intense storm events, more severe fire weather, long-term sea level rise, etc.

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<sup>19</sup> Available at: <http://www.dpac.tas.gov.au/divisions/climatechange>

## Part D – Summary of Proposed Management Measures

This section should contain a table of the proposed measures for avoiding, minimising and managing the potential environmental impacts of the proposal (as identified in Part C). These should be written as specific, unambiguous statements of action (see example below).

**Table 1. Proposed management measures (examples)**

No.	Proposed Management Measure	Timeframe
1	<i>Design and install a sediment settling pond capable of containing runoff from a 1-in-20 year storm event as described in Part C, paragraph 2.6 [of the EER].</i>	<i>At least 30 days prior to commencement of operations.</i>
2	<i>Develop a solid waste management plan as described in Part C, paragraph 8.4 [of the EER].</i>	<i>Within three months of approval and prior to treatment or removal of any waste.</i>
3	<i>Erect a noise attenuation barrier as described in Part C, paragraph 9.2 [of the EER]</i>	<i>At least 30 days prior to commencement of operations.</i>

## Part E – Public and Stakeholder Consultation

- Describe any public or stakeholder consultation that has taken place or is intended (such as with other government agencies, community groups or neighbours).
- Provide details of the outcome or main findings of any community consultation.
- [Guidance on Community Engagement](#)<sup>20</sup> is available on the EPA website.

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<sup>20</sup> Available at <https://epa.tas.gov.au/business-industry/assessment/guidance-documents>



## Appendix A: Other issues and agency contacts

In addition to a permit under LUPAA and EMPCA, there may be other legal requirements to allow your proposal to proceed, including other permits, licences or landowner consent. You may also need to contact other Government agencies to obtain information for the purpose of assessment.

Your proposal may have been referred to other agencies by EPA. If assessments or approvals outside of the Board's responsibilities are required, you should engage with the respective agency to progress them. The following list identifies some of the agencies you may need to contact:

### Conservation Assessments

Department of Natural Resources and Environment Tasmania

Telephone: (03) 6165 4396

Email: [conservationassessments@nre.tas.gov.au](mailto:conservationassessments@nre.tas.gov.au)

Website: [www.nre.tas.gov.au/conservation](http://www.nre.tas.gov.au/conservation)

Purpose: Natural values including flora, fauna, and geoconservation values, or permits to deal with threatened species.

### Heritage Tasmania

Department of Natural Resources and Environment Tasmania

Telephone: (03) 6165 3700

Email: [enquiries@heritage.tas.gov.au](mailto:enquiries@heritage.tas.gov.au)

Website: [www.heritage.tas.gov.au](http://www.heritage.tas.gov.au)

Purpose: Historic cultural heritage, including State-level site listings, impacts and permits as required under the *Historic Cultural Heritage Act 1995*. Where works are proposed in or near a heritage place entered on the Tasmanian Heritage Register or likely to be of heritage significance to the whole of Tasmania, and a permit is required under the *Land Use Planning and Approvals Act 1993*, the proposal will be referred to Heritage Tasmania by the planning authority. There may also be additional sites listed under local planning schemes, impacts on which are assessed by the relevant planning authority.

### Aboriginal Heritage Tasmania

Department of Premier and Cabinet

Telephone: 1300 487 045

Email: [aboriginalheritage@dpac.tas.gov.au](mailto:aboriginalheritage@dpac.tas.gov.au)

Website: [www.aboriginalheritage.tas.gov.au](http://www.aboriginalheritage.tas.gov.au)

Purpose: Aboriginal heritage, including desktop assessment, artefact survey requirements, permits and advice.

### Parks and Wildlife – Property Services

Department of Natural Resources and Environment Tasmania

Telephone: (03) 6169 9015

Email: [PropertyServices@parks.tas.gov.au](mailto:PropertyServices@parks.tas.gov.au)

Website: [www.parks.tas.gov.au](http://www.parks.tas.gov.au)

Purpose: Impacts on parks and reserves managed by Parks and Wildlife, or Crown land.

## **Agriculture and Water**

Department of Natural Resources and Environment Tasmania

Telephone: 1 300 368 550

Email: [Water.Enquiries@nre.tas.gov.au](mailto:Water.Enquiries@nre.tas.gov.au)

Website: [www.nre.tas.gov.au/water](http://www.nre.tas.gov.au/water)

Purpose: Water licences and works impacting natural waterway flow (e.g., dams or fords).

## **Transport Services**

Department of State Growth

Telephone: (03) 6166 3369

Email: [permits@stategrowth.tas.gov.au](mailto:permits@stategrowth.tas.gov.au)

Website: [www.transport.tas.gov.au](http://www.transport.tas.gov.au)

Purpose: State roads, including where any proposal requires works on or access from a State-managed road.

## **Mineral Resources Tasmania**

Department of State Growth

Telephone: (03) 6165 4800

Email: [info@mrt.tas.gov.au](mailto:info@mrt.tas.gov.au)

Website: [www.mrt.tas.gov.au](http://www.mrt.tas.gov.au)

Purpose: Mining Leases



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