



<b>Licence Number</b>	L9207/2019/1
<b>Licence Holder</b>	Bardies Well Pty Ltd
<b>ACN</b>	152 566 633
<b>Registered business address</b>	Level 1, 985 Wellington Street WEST PERTH WA 6005
<b>File Number</b>	DER2019/000310
<b>Duration</b>	20/12/2019 to 19/12/2032
<b>Date of issue</b>	<b>19/12/2019</b>
<b>Prescribed Premises</b>	Category 12: Screening etc. of material
<b>Premises</b>	Bardies Well Quarry Mining Lease M47/226 and M47/293 KARRATHA WA 6714

This Licence is granted to the Licence Holder, subject to the following conditions,  
on 19 December 2019, by:

**ALANA KIDD**

**MANAGER, RESOURCE INDUSTRIES**

an officer delegated under section 20 of the *Environmental Protection Act 1986 (WA)*

## Explanatory notes

These explanatory notes do not form part of this Licence.

### Defined terms

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Definition of terms used in this Licence can be found at the start of this Licence. Terms which are defined have the first letter of each word capitalised throughout this Licence.

### Department of Water and Environmental Regulation

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The Department of Water and Environmental Regulation (DWER) is established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V, Division 3 of the *Environmental Protection Act 1986 (WA)* (EP Act). The Department also monitors and audits compliance with licences, takes enforcement action and develops and implements licensing and industry regulation policy.

### Licence

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Section 56 of the EP Act provides that an occupier of Prescribed Premises commits an offence if Emissions are caused or increased, or permitted to be caused or increased, or Waste, noise, odour or electromagnetic radiation is altered, or permitted to be altered, from Prescribed Premises, except in accordance with a works approval or licence.

Categories of Prescribed Premises are defined in Schedule 1 of the *Environment Protection Regulations 1987 (WA)* (EP Regulations).

This Licence does not authorise any activity which may be a breach of the requirements of another statutory authority including, but not limited to the following:

- conditions imposed by the Minister for Environment under Part IV of the EP Act;
- conditions imposed by DWER for the clearing of native vegetation under Part V, Division 2 of the EP Act;
- any requirements under the *Waste Avoidance and Resource Recovery Act 2007*;
- any requirements under the *Environmental Protection (Controlled Waste) Regulations 2004*; and
- any other requirements specified through State legislation.

It is the responsibility of the Licence Holder to ensure that any action or activity referred to in this Licence is permitted by, and is carried out in compliance with, other statutory requirements.

The Licence Holder must comply with the Licence. Contravening a Licence Condition is an offence under s.58 of the EP Act.

### Responsibilities of a Licence Holder

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Separate to the requirements of this Licence, general obligations of Licence Holders are set out in the EP Act and the regulations made under the EP Act. For example, the Licence Holder must comply with the following provisions of the EP Act:

- the duties of an occupier under section 61; and
- restrictions on making certain changes to Prescribed Premises unless the changes are in accordance with a works approval, Licence, closure notice or environmental protection notice (s.53).

Strict penalties apply for offences under the EP Act.

## Reporting of incidents

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The Licence Holder has a duty to report to DWER all discharges of waste that have caused or are likely to cause Pollution, Material Environmental Harm or Serious Environmental Harm, in accordance with s.72 of the EP Act.

## Offences and defences

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The EP Act and its regulations set out a number of offences, including:

- Offence of emitting an Unreasonable Emission from any Premises under s.49.
- Offence of causing Pollution under s.49.
- Offence of dumping Waste under s.49A.
- Offence of discharging Waste in circumstances likely to cause Pollution under s.50.
- Offence of causing Serious Environmental Harm (s.50A) or Material Environmental Harm (s.50B).
- Offence of causing Emissions which do not comply with prescribed standards (s.51).
- Offences relating to Emissions or Discharges under regulations prescribed under the EP Act, including materials discharged under the *Environmental Protection (Unauthorised Discharges) Regulations 2004 (WA)*.
- Offences relating to noise under the *Environmental Protection (Noise) Regulations 1997 (WA)*.

Section 53 of the EP Act provides that a Licence Holder commits an offence if Emissions are caused, or altered from a Prescribed Premises unless done in accordance with a Works Approval, Licence or the requirements of a Closure Notice or an Environmental Protection Notice.

Defences to certain offences may be available to a Licence Holder and these are set out in the EP Act. Section 74A(b)(iv) provides that it is a defence to an offence for causing Pollution, in respect of an Emission, or for causing Serious Environmental Harm or Material Environmental Harm, or for discharging or abandoning Waste in water to which the public has access, if the Licence Holder can prove that an Emission or Discharge occurred in accordance with a Licence.

This Licence specifies the Emissions and Discharges, and the limits and Conditions which must be satisfied in respect of Specified Emissions and Discharges, in order for the defence to offence provision to be available.

## Authorised Emissions and Discharges

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The Specified and General Emissions and Discharges from Primary Activities conducted on the Prescribed Premises are authorised to be conducted in accordance with the Conditions of this Licence.

Emissions and Discharges caused from other activities not related to the Primary Activities at the Premises have not been Conditioned in this Licence. Emissions and Discharges from other activities at the Premises are subject to the general provisions of the EP Act.

## Amendment of licence

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The Licence Holder can apply to amend the Conditions of this Licence under s.59 of the EP Act. An application form for this purpose is available from DWER.

The CEO may also amend the Conditions of this Licence at any time on the initiative of the CEO without an application being made.

Amendment Notices constitute written notice of the amendment in accordance with s.59B(9) of the EP Act.

## Duration of Licence

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The Licence will remain in force for the duration set out on the first page of this Licence or until it is surrendered, suspended or revoked in accordance with s.59A of the EP Act.

## Suspension or revocation

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The CEO may suspend or revoke this Licence in accordance with s.59A of the EP Act.

## Fees

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The Licence Holder must pay an annual licence fee. Late payment of annual licence fees may result in the licence ceasing to have effect.

# Definitions and interpretation

## Definitions

In this Licence, the terms in Table 1 have the meanings defined.

**Table 1: Definitions**

Term	Definition
ACN	Australian Company Number
Amendment Notice	means an amendment granted under s.59 of the EP Act in accordance with the procedure set out in s.59B of the EP Act.
Annual Period	means a 12 month period commencing from 20 December until 19 December.
Condition	means a condition to which this Licence is subject under s.62 of the EP Act.
Books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Compliance Report	means a report in a format approved by the CEO as presented by the Licence Holder or as specified by the CEO (guidelines and templates may be available on the Department's website).
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.

Term	Definition
Department Request	<p>means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Licence Holder in writing and sent to the Licence Holder's address for notifications, as described at the front of this Licence, in relation to:</p> <ul style="list-style-type: none"> <li>(a) compliance with the EP Act or this Licence;</li> <li>(b) the Books or other sources of information maintained in accordance with this Licence; or</li> <li>(c) the Books or other sources of information relating to Emissions from the Premises.</li> </ul>
Discharge	has the same meaning given to that term under the EP Act.
DWER	Department of Water and Environmental Regulation.
Emission	has the same meaning given to that term under the EP Act.
Environmental Harm	has the same meaning given to that term under the EP Act.
EP Act	means the <i>Environmental Protection Act 1986 (WA)</i> .
EP Regulations	means the <i>Environmental Protection Regulations 1987 (WA)</i> .
Implementation Agreement or Decision	has the same meaning given to that term under the EP Act.
Inspector	means an inspector appointed by the CEO in accordance with s.88 of the EP Act.
Licence	refers to this document, which evidences the grant of a Licence by the CEO under s.57 of the EP Act, subject to the Conditions.
Licence Holder	refers to the occupier of the premises being the person to whom this Licence has been granted, as specified at the front of this Licence.
Material Change	<p>means a change to the activities carried out on the Premises as described by the Primary Activities set out in Schedule 2 and:</p> <ul style="list-style-type: none"> <li>(a) that may result in an increased risk to public health, amenity or the environment; and</li> <li>(b) includes the types of changes specified in Schedule 2; and</li> <li>(c) does not include the excluded changes specified in Schedule 2.</li> </ul>
Material Environmental	has the same meaning given to that term under the EP Act.

<b>Term</b>	<b>Definition</b>
Harm	
Pollution	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Licence applies, as specified at the front of this Licence and as shown on the map in Schedule 1 to this Licence.
Prescribed Premises	has the same meaning given to that term under the EP Act.
Primary Activities	refers to the Prescribed Premises activities listed on the front of this Licence as described in Schedule 2, at the locations shown in Schedule 1.
Reportable Event	means an exceedance above the target limit specified in Column 4 of Table 6, in Schedule 3.
Serious Environmental Harm	has the same meaning given to that term under the EP Act.
Unreasonable Emission	has the same meaning given to that term under the EP Act.
Waste	has the same meaning given to that term under the EP Act.

## Interpretation

In this Licence:

- (a) the words ‘including’, ‘includes’ and ‘include’ will be read as if followed by the words ‘without limitation’;
- (d) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (e) where tables are used in a Condition, each row in a table constitutes a separate Condition;
- (f) any reference to an Australian or other standard, guideline or code of practice in this Licence means the version of the standard, guideline or code of practice in force at the time of granting of this Licence and includes any amendments to the standard, guideline or code of practice which may occur from time to time during the course of the Licence; and
- (g) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act.

# Conditions

## Emissions

1. The Licence Holder must not cause any Emissions from the Primary Activities on the Premises except for specified Emissions and general Emissions described in Column 1 of Table 2 subject to the exclusions, limitations or requirements specified in Column 2 of Table 2.

**Table 2: Authorised Emissions table**

Column 1	Column 2
Emission type	Exclusions/Limitations/Requirements
<b>General Emissions (excluding Specified Emissions)</b>	
<p>Emissions which:</p> <ul style="list-style-type: none"> <li>• arise from the Primary Activities set out in Schedule 2</li> </ul>	<p>Emissions excluded from General Emissions are:</p> <ul style="list-style-type: none"> <li>• Unreasonable Emissions; or</li> <li>• Emissions that result in, or are likely to result in, Pollution, Material Environmental Harm or Serious Environmental Harm; or</li> <li>• Discharges of Waste in circumstances likely to cause Pollution; or</li> <li>• Emissions that result, or are likely to result in, the Discharge or abandonment of Waste in water to which the public has access; or</li> <li>• Emissions or Discharges which do not comply with an Approved Policy; or</li> <li>• Emissions or Discharges which do not comply with a prescribed standard; or</li> <li>• Emissions or Discharges which do not comply with the conditions in an Implementation Agreement or Decision; or</li> <li>• Emissions or Discharges the subject of offences under regulations prescribed under the EP Act, including materials discharged under the Environmental <i>Protection (Unauthorised Discharges) Regulations 2004</i>.</li> </ul>

## Infrastructure and equipment

2. The Licence Holder must ensure that the infrastructure and equipment specified in Column 1 of Table 3 is maintained in good working order and operated in accordance with the requirements specified in Column 2 of Table 3.

**Table 3: Infrastructure and equipment controls table**

Column 1	Column 2
<b>Site infrastructure and equipment</b>	<b>Operational requirements</b>
<p>Jaw crushers and screens (fitted with water sprays and sprinklers):</p> <ul style="list-style-type: none"> <li>• 2 mobile crushing units LT3054 and LT110:               <ul style="list-style-type: none"> <li>➢ XA750 jaw crusher;</li> <li>➢ Person 1300 cone crusher;</li> </ul> </li> <li>• QA440 sand screen.</li> </ul> <p>Conveyors (with covers for dust suppression)</p>	<ul style="list-style-type: none"> <li>• Dust suppression sprays to be maintained on crushers and screens;</li> <li>• Dust shields and covers to be maintained on conveyors and transfer points; and</li> <li>• Barriers installed around motors which will act as noise barriers.</li> </ul>
Water storage and reticulation for dust suppression such as tanks, pipes etc.	<ul style="list-style-type: none"> <li>• The processing area must be graded to direct uncontaminated stormwater away from the processing area. Potentially contaminated stormwater must drain to sediment pond/s and/or sumps.</li> <li>• Sediment control measures (such as silt fences, grading, bunding, gabions etc.) must be maintained to direct sediment laden stormwater from the processing area to sediment ponds and/or sumps and to prevent contaminated stormwater from entering the ephemeral creek.</li> </ul>
Stockpile area	<ul style="list-style-type: none"> <li>• Bunding and/or gabions to be maintained around stockpiles to retain sediment.</li> </ul>
Stormwater and sediment control infrastructure	<ul style="list-style-type: none"> <li>• Sediment pond/s and/or sediment sumps must be maintained to contain sediment laden stormwater.</li> <li>• Sediment control measures (such as silt fences, bunding, gabions etc) must be maintained to direct sediment laden stormwater to the sediment pond/s and/or sumps and prevent it from leaving the site or entering the ephemeral creek.</li> </ul>



Column 1	Column 2
<b>Site infrastructure and equipment</b>	<b>Operational requirements</b>
50,000L diesel storage tank	<ul style="list-style-type: none"> <li>Self-bunded tank maintained.</li> </ul>

## Record-keeping

3. The Licence Holder must maintain accurate and auditable Books including the following records, information, reports and data required by this Licence:
  - (a) the calculation of fees payable in respect of this Licence;
  - (b) the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with Condition 2 of this Licence;
  - (c) complaints received under Condition 4 of this Licence; and
  - (d) any Material Change.

In addition, the Books must:

  - (e) be legible;
  - (f) if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;
  - (g) be retained for at least 3 years from the date the Books were made; and
  - (h) be available to be produced to an Inspector or the CEO.
4. The Licence Holder must record the number and details of any complaints received by the Licence Holder relating to its obligations under this Licence and its compliance with Part V of the EP Act at the Premises, and any action taken by the Licence Holder in response to the complaint. Details of complaints must include:
  - (a) an accurate record of the concerns or issues raised, for example a copy of any written complaint or a written note of any verbal complaints made;
  - (b) the name and contact details of the complainant, if provided by the complainant;
  - (c) the date of the complaint; and
  - (d) the details and dates of the actions taken by the Licence Holder in response to the complaints.
5. The Licence Holder must submit to the CEO, no later than 30 November, an Annual Audit Compliance Report indicating the extent to which the Licence Holder has complied with the Conditions in this Licence for the preceding Annual Period.
6. The Licence Holder must comply with a Department Request, within 14 days from the date of the Department Request or such other period as agreed to by the Inspector or the CEO.



# Schedule 1: Maps

## Premises Maps

The Premises are shown in the map below. The Premises boundary is depicted by the red line.

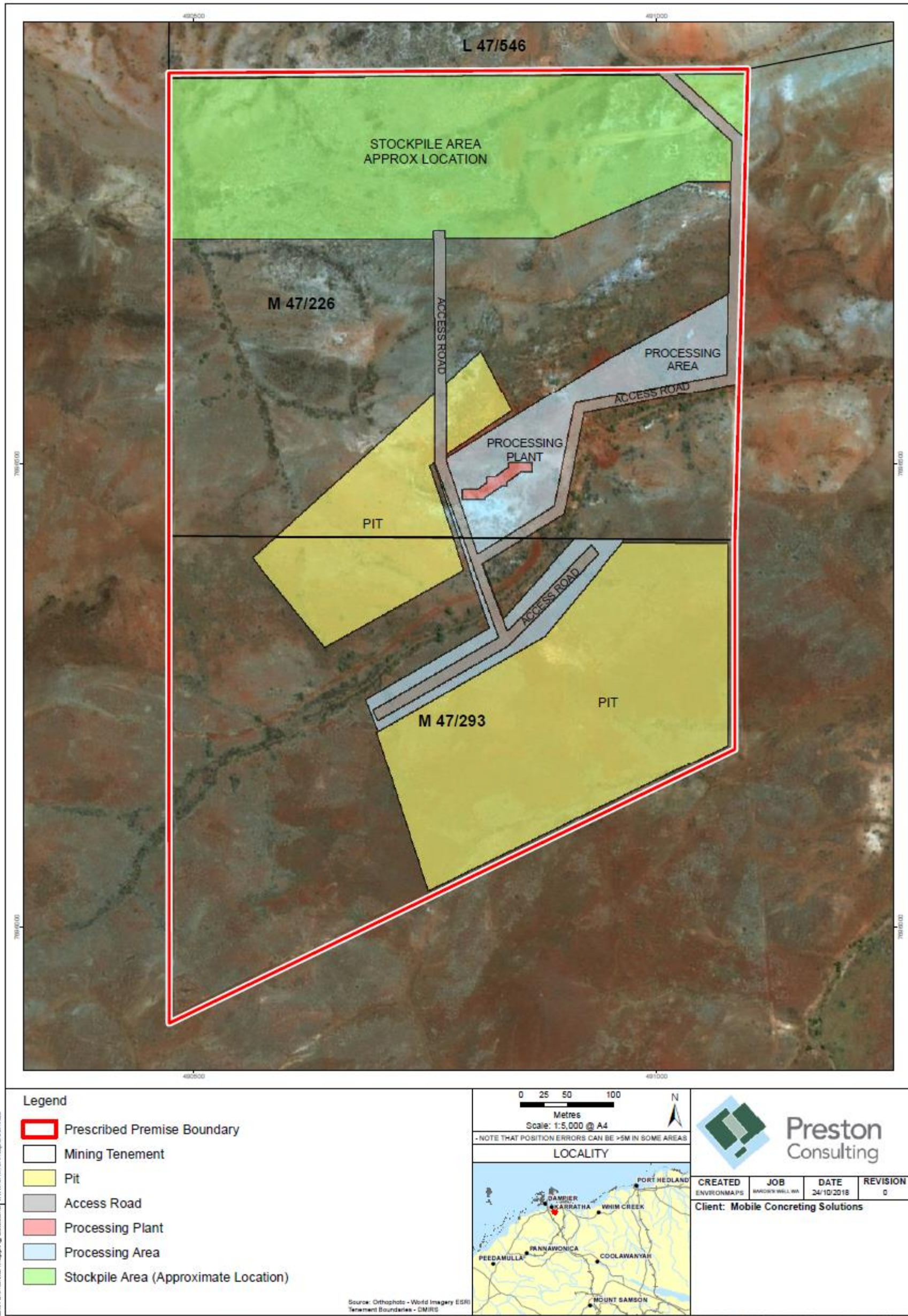


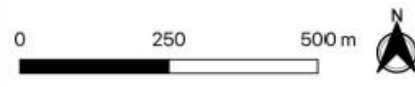
Figure 2: Indicative site layout, MCF (process plant) location and prescribed premise





Figure 1  
Site Infrastructure Layout

- Current Tenements
- MP79849
  - MCS03\_AccessTrack\_M47226 [4]
  - MCS03\_CrushingScreeningPlant\_M47226 [1]
  - MCS03\_Firebreak\_M47226 [2]
  - MCS03\_FuelStorage\_M47226 [1]
  - MCS03\_Magazine\_M47226 [1]
  - MCS03\_AccessTrack\_M47293 [6]
  - MCS03\_Firebreak\_M47293 [1]
  - MCS03\_OpenPit\_M47293 [1]
  - MCS03\_OreStockpile\_M47293 [3]
  - MCS03\_TopsilStorage\_M47293 [1]
  - MCS03\_WorkshopWaterStorageHydrocarbon\_M47226 [6]
- Google Hybrid Satellite



## Schedule 2: Primary Activities

At the time of assessment, Emissions and Discharges from the following Primary Activities were considered in the determination of the risk and related Conditions for the Premises.

The Primary Activities are listed in Table 4:

**Table 4: Primary Activities**

Primary Activity	Premises production or design capacity
Category 12 – Screening etc. of material: premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	350,000 tonnes per annum

## Infrastructure and equipment

The Primary Activity infrastructure and equipment situated on the Premises is listed in Table 5.

**Table 5: Infrastructure and equipment**

Infrastructure and equipment	Plan reference
Crushing and screening plant area	Schedule 1: Premises Maps
Jaw crushers and screens (fitted with water sprays and sprinklers): <ul style="list-style-type: none"> <li>• 2 mobile crushing units LT3054 and LT110: <ul style="list-style-type: none"> <li>➢ XA750 jaw crusher;</li> <li>➢ Person 1300 cone crusher;</li> </ul> </li> <li>• QA440 sand screen.</li> </ul>	Schedule 1: Premises Maps
Conveyors and transfer points (with covers for dust suppression)	Schedule 1: Premises Maps
1 x 980 k wheel loader	Schedule 1: Premises Maps
1 x 120h grader	Schedule 1: Premises Maps
1 x 330d excavator	Schedule 1: Premises Maps
1 x 740B articulated dump truck	Schedule 1: Premises Maps
30,000L water truck fitted with spray bars for dust suppression	Schedule 1: Premises Maps
weighbridge	Schedule 1: Premises Maps
50,000L self bunded diesel storage tank	Schedule 1: Premises Maps

Infrastructure and equipment	Plan reference
Stockpile areas	Schedule 1: Premises Maps
Sediment control measures (such as silt fences, grading, bunding, gabions etc.) to direct sediment laden stormwater from processing plant and processing area to sediment ponds and/or sumps or prevent uncontaminated stormwater from entering the creek or leaving the site	Schedule 1: Premises Maps
Sediment ponds and/or sumps for the collection of sediment laden stormwater	Schedule 1: Premises Maps
Barriers installed around processing plant motors for noise attenuation measures	Schedule 1: Premises Maps
Minimum of 50,000L water stored in a tank/s for dust suppression	Schedule 1: Premises Maps

## Site layout

The Primary Activity infrastructure and equipment is set out on the Premises in accordance with the site layout specified on the Premises Maps in Schedule 1.