



Works Approval

Environmental Protection Act 1986, Part V

Works Approval Holder: Kimberley Granite Quarries
Pty Ltd

Works Approval Number: W5405/2013/1

Registered office: 116 Burke Drive
ATTADALE WA 6156

ACN: 153 969 610

Premises address: Fitzroy South Quarry
Mining Lease M04/450
FITZROY CROSSING WA 6765 as depicted in Schedule 1.

Issue date: Thursday, 16 May 2013

Commencement date: Monday, 20 May 2013

Expiry date: Sunday, 19 May 2019

The following category/s from the *Environmental Protection Regulations 1987* cause this
Premises to be a prescribed premises for the purposes of the *Environmental Protection Act 1986*:

| Category number | Category description | Category production or design capacity | Approved premises production or design capacity |
|-----------------|---|--|---|
| 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. | 50 000 tonnes or more per year | 500 000 tonnes per annual period |

Conditions

This Works Approval is subject to the conditions set out in the attached pages.

Date signed: 10 March 2016

.....
Alana Kidd

Manager Licensing – Resource Industries

Officer delegated under section 20
of the *Environmental Protection Act 1986*



Works Approval Conditions

1 General

1.1 Interpretation

1.1.1 In the Works Approval, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 In the Works Approval, unless the contrary intention appears:

'Act' means the *Environmental Protection Act 1986*;

'CEO' means Chief Executive Officer of the Department of Environment Regulation;

'CEO' for the purpose of correspondence means;

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au;

'Premises' means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Works Approval;

'Schedule 1' means Schedule 1 of [this](#) Works Approval unless otherwise stated;

'Works Approval' means this Works Approval numbered W5405/2013/1 and issued under the *Act*; and

'Works Approval Holder' means the person or organisation named as the Works Approval Holder on page 1 of the Works Approval.

1.1.3 Any reference to an Australian or other standard in the Works Approval means the relevant parts of the standard in force from time to time during the term of this Works Approval.

1.1.4 Any reference to a guideline or code of practice in the Works Approval means the current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guidelines or code of practice made during the term of this Works Approval.

1.1 General conditions

1.1.1 The Works Approval Holder shall construct the works in accordance with the documentation detailed in Table 1.2.1:



Table 1.2.1: Construction Requirements¹

| Document | Parts | Date of Document |
|--|--|------------------|
| Email correspondence: Kimberley Granite Quarries – DEC Works Approval Progress | All | 25 February 2013 |
| Email correspondence: Kimberley Granite Quarries – DEC Works Approval Progress | All, including Drawings and Specifications | 8 March 2013 |
| Email correspondence: Works Approval - Additional information - KGQ | All | 12 March 2013 |
| Application form: works approval/licence | All | 10 February 2016 |

Note 1: Where the details and commitments of the documents listed in condition 1.2.1 are inconsistent with any other condition of this works approval, the conditions of this works approval shall prevail.

2 Information

2.1 Reporting

2.1.1 The Works Approval Holder shall submit a compliance document to the CEO, following the construction of the works and prior to commissioning of the same.

2.1.2 The compliance document shall:

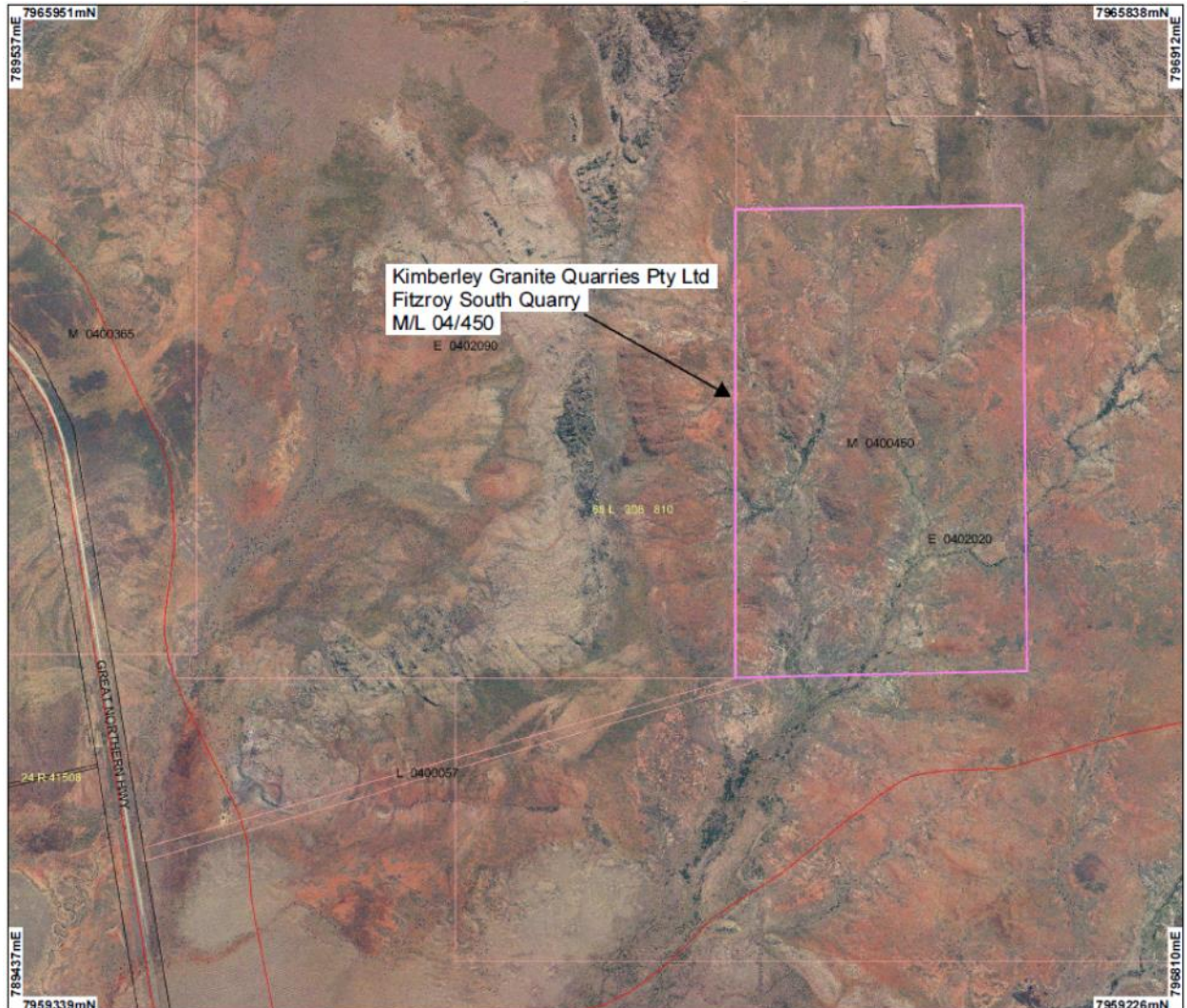
- (a) certify that the works were constructed in accordance with the conditions of the Works Approval; and
- (b) be signed by a person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company.



Schedule 1: Maps

Premises map

The Premises is shown in the map below. The pink line depicts the Premises boundary.





Decision Document

Environmental Protection Act 1986, Part V

Proponent: Kimberley Granite Quarries Pty Ltd

Works Approval: W5405/2013/1

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Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue an amended works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations and legal requirements and that the Works Approval and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by: Rachel Vukmirovic
Licensing Officer

Decision Document authorised by: Alana Kidd
Delegated Officer



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.

2 Administrative summary

| Administrative details | | |
|---|---|--|
| Application type | Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input checked="" type="checkbox"/> | |
| Activities that cause the premises to become prescribed premises | Category number(s) | Assessed design capacity |
| | 12 | 500,000 tonnes per year |
| Application verified | Date: N/A | |
| Application fee paid | Date: N/A | |
| Works Approval has been complied with | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> | |
| Compliance Certificate received | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> | |
| Commercial-in-confidence claim | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Commercial-in-confidence claim outcome | | |
| Is the proposal a Major Resource Project? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Referral decision No: Managed under Part V <input checked="" type="checkbox"/> Assessed under Part IV <input type="checkbox"/> |



| | | |
|--|--|---|
| Is the proposal subject to Ministerial Conditions? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Ministerial statement No: EPA Report No: |
| Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes include details of which EPP(s) here. | | |
| Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP. | | |



3 Executive summary of proposal and assessment

Kimberley Granite Quarries Pty Ltd propose to construct and operate the Fitzroy South Quarry on Mining Tenement M04/450, approximately 35km south-east of Fitzroy Crossing in Western Australia. The quarrying process will involve using mobile crushing and screening equipment on track-mounted frames to process a maximum of 500,000 tonnes per annum of high strength hard rock (granite) aggregate. Expected throughputs will be around 200,000 tonnes per year. Quarried materials will be suitable for a range of road preparation activities including road base construction through to stone for final road sealing.

Activities at the Fitzroy South Quarry will occur on a campaign basis, predominantly during the dry season for around eight months of the year. Quarry workers will be accommodated off site, possibly at a range of local communities located on GoGo Station or in the town of Fitzroy Crossing.

The closest residence to M04/450 is Joy Springs Community which is located approximately 13km to the northwest. The nearest Public Drinking Water Area is located at Fitzroy Crossing approximately 35km to the northwest.

A Run-Of-Mine stockpile area will be constructed adjacent to the excavation area in readiness for processing. Quarrying of stone will occur above the water table and no ground water dewatering is anticipated. The hard-rock material extraction will use small scale mining equipment to remove the granite from the pit after standard drill and blast techniques.

The sizing and screen plant will ideally produce up to 2,500 tonnes per day on average, taking into account availability and utilization of equipment. Depending on customer's requirements the site will use a jaw crusher followed by smaller cone crushers and screeners to produce various sized fractions to reflect requested final specification. Processed material will be stockpiled at the processing laydown area until being loaded onto trucks and transported as required. The business plan is to operate the quarry to service the Great Northern Hwy maintenance, and has an expected life in excess of 10 years.

An amendment has been sought by the works approval holder to extend the date of expiry to 19 May 2019. The quarry site development was initially targeted at supplying rock and aggregate for the following major projects:

- the proposed gas precinct at James Price Point;
- the development of the recreational fisherman harbour facility in Broome; and
- supply of road base and sealing material for the Fitzroy River – Great Northern Highway road realignment.

Although the above projects are yet to commence development, Kimberley Granite Quarries Pty Ltd believe that there will be action within the next three years and therefore wish to extend the expiry date of this works approval. There has not been any further assessment of the approval.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

| DECISION TABLE | | | |
|----------------------------------|---|---|----------------------------|
| Works Approval / Licence section | Condition number W = Works Approval L = Licence | Justification (including risk description & decision methodology where relevant) | Reference documents |
| Licence Duration | NA | The works approval was previously issued for a period of three years. At the proponent's request, DER has amended the works approval to extend the date of expiry by three years. The emissions and discharges from the premises have been previously assessed to be of no significance due to the isolated location of the premises. Therefore there are no factors that warrant the limiting of the extended works approval duration. | Works approval application |



5 Advertisement and consultation table

| Date | Event | Comments received/Notes | How comments were taken into consideration |
|------------|---|---|--|
| 25/02/2016 | Proponent sent a copy of draft instrument | No changes requested. Waiver form provided on 03/03/2016. | N/A |



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

| Likelihood | Consequence | | | | |
|----------------|---------------|----------|----------|----------|---------|
| | Insignificant | Minor | Moderate | Major | Severe |
| Almost Certain | Moderate | High | High | Extreme | Extreme |
| Likely | Moderate | Moderate | High | High | Extreme |
| Possible | Low | Moderate | Moderate | High | Extreme |
| Unlikely | Low | Moderate | Moderate | Moderate | High |
| Rare | Low | Low | Moderate | Moderate | High |