Government of Western Australia
Department of Environment Regulation

Works Approval

Environmental Protection Act 1986, Part V

Works Approval Holder: Hesketh Quarry's Pty Ltd

Works Approval Number: W5950/2016/1

Registered office: 97 Hampton Street
BRIDGETOWN WA 6255

ACN: 604 810 317

Premises address: Hesketh Quarry's Concrete Batching Plant
28 Daronchs Road
NORTH GREENBUSHES WA 6254
Being Lot 13186 on Plan 183468 as depicted in Schedule 1

Issue date: 1 July 2016

Commencement date: 4 July 2016

Expiry date: 3 July 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
77	Concrete batching or cement products manufacturing: premises on which cement products or concrete are manufactured for use at places or premises other than those premises.	100 tonnes or more per year	17 000 tonnes per annual period

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

Date signed: 1 July 2016
.....
Jonathan Bailes
Manager Licensing (Process 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;*

'annual period' means the inclusive period from 1 July until 30 June in the following year;

'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 W5950/2016/1 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.

1.2 General conditions

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

Table 1.2.1: Construction Requirements[1]		
Document	**Parts**	**Date of Document**
Works Approval Application Form	All	21 January 2016
Electronic mail from Chris Barker – Quarry Manager Services to DER with subject "*RE: Clarification of application information – Hesketh Quarry's*", including two attachments and dated 9 February 2016.	All, including attachments	9 February 2016
Electronic mail from Chris Barker – Quarry Manager Services to DER with subject "*RE: Clarification of application information – Hesketh Quarry's*", including three attachments and dated 9 February 2016.	All, including attachments	9 February 2016
Electronic mail from Chris Barker – Quarry Manager Services to DER with subject "*RE: Clarification of application information – Hesketh Quarry's*" and dated 15 February 2016.	All	15 February 2016
Electronic mail from Chris Barker – Quarry Manager Services to DER with subject "*greenbushes batch plant risk assessment*", including one attachment and dated 18 May 2016.	All, including attachment	18 May 2016
Electronic mail from Chris Barker – Quarry Manager Services to DER with subject "*greenbushes batch plant amendments DER ref CEO222/16*", including one attachment and dated 18 May 2016.	All, including attachment	18 May 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:

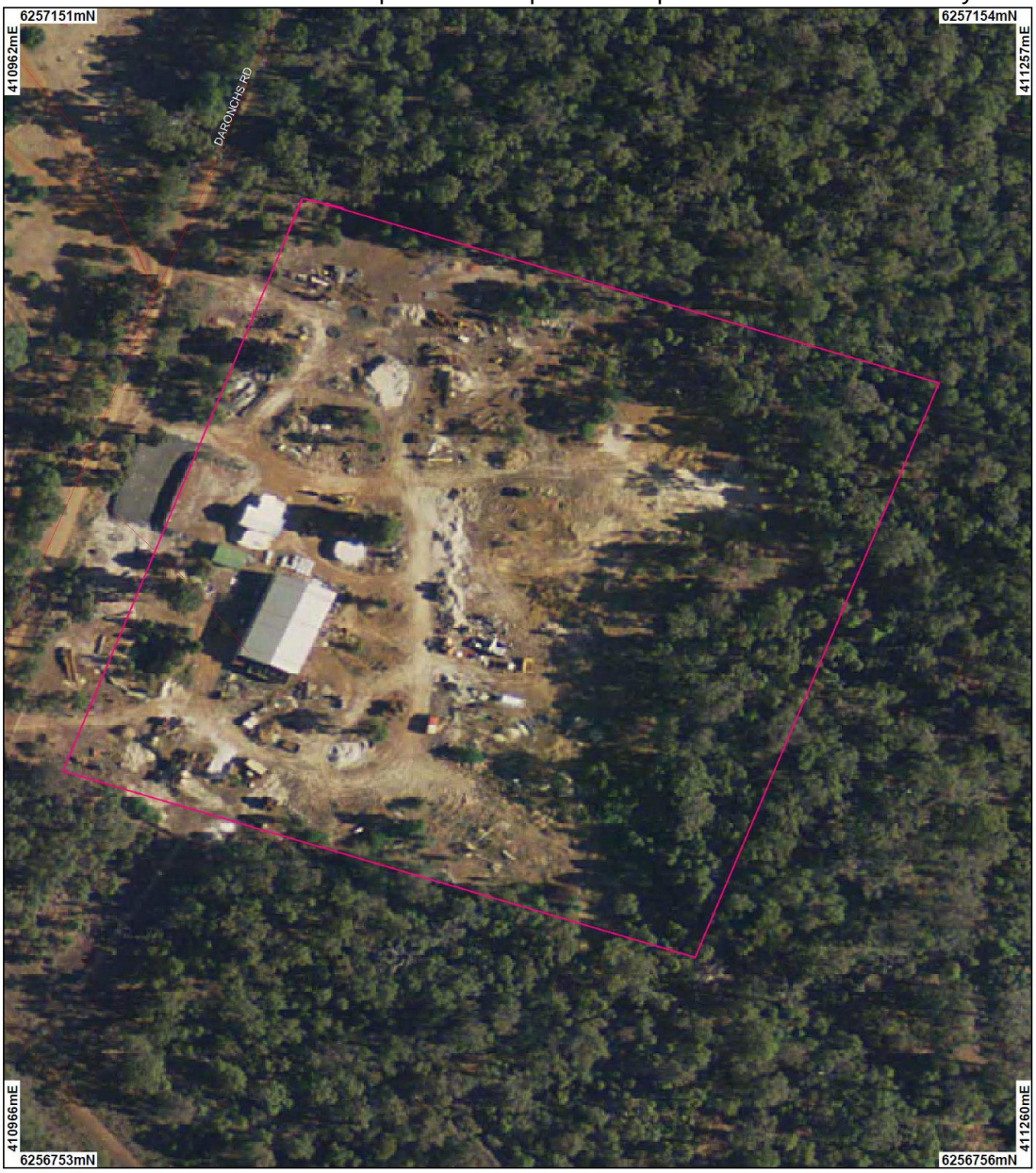
(a) certify that the works were constructed in accordance with the conditions of the Works Approval; and

(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 on the map below. The pink line depicts the Premises boundary.



LEGEND

Road Centrelines
Bridgetown 2013 50cm orthomosaic

N

0 ~50 m

Scale 1:1750
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Prepared by: DER
Prepared for:
Date: 24/05/2016 1:56:58 PM

Information derived from this map should be confirmed with the data custodian acknowleged by the agency acronym in the legend.

Government of Western Australia
Department of Environment Regulation

* Project Data. This data has not been quality assured. Please contact map author for details.

Government of Western Australia
Department of Environment Regulation

Decision Document

Environmental Protection Act 1986, Part V

Proponent: Hesketh Quarry's Pty Ltd

Works Approval: W5950/2016/1

Registered office: 97 Hampton St
BRIDGETOWN WA 6255

ACN: 604 810 317

Premises address: Hesketh Quarry's Concrete Batching Plant
28 Daronchs Rd
NORTH GREENBUSHES WA 6254
Being Lot 13186 on Plan 183468

Issue date: 1 July 2016

Commencement date: 4 July 2016

Expiry date: 3 July 2019

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue a works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by: Elizabeth Whisson
Licensing Officer

Decision Document authorised by: Jonathan Bailes
Delegated Officer

Contents

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

<table>
<tr><th colspan="4">Administrative details</th></tr>
<tr><td>Application type</td><td colspan="3">Works Approval ☒
New Licence ☐
Licence amendment ☐
Works Approval amendment ☐</td></tr>
<tr><td rowspan="2">Activities that cause the premises to become prescribed premises</td><td colspan="2">Category number(s)</td><td>Assessed design capacity</td></tr>
<tr><td colspan="2">77 – Concrete Batching or Cement Product Manufacturing</td><td>17 000 tonnes per annual period</td></tr>
<tr><td>Application verified
Application fee paid</td><td colspan="3">Date: 10/02/2016
Date: 19/02/2016</td></tr>
<tr><td>Works Approval has been complied with
Compliance Certificate received</td><td colspan="3">Yes☐ No☐ N/A☒
Yes☐ No☐ N/A☒</td></tr>
<tr><td>Commercial-in-confidence claim</td><td colspan="3">Yes☐ No☒</td></tr>
<tr><td>Commercial-in-confidence claim outcome</td><td colspan="3"></td></tr>
<tr><td>Is the proposal a Major Resource Project?</td><td colspan="3">Yes☐ No☒</td></tr>
<tr><td>Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the Environmental Protection Act 1986?</td><td>Yes☐ No☒</td><td colspan="2">Referral decision No:
Managed under Part V ☐
Assessed under Part IV ☐</td></tr>
<tr><td>Is the proposal subject to Ministerial Conditions?</td><td>Yes☐ No☒</td><td colspan="2">Ministerial statement No:
EPA Report No:</td></tr>
<tr><td>Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the Environmental Protection Act 1986)?</td><td colspan="3">Yes☐ No☒
Department of Water consulted Yes ☒ No ☐</td></tr>
<tr><td colspan="4">Is the Premises within an Environmental Protection Policy (EPP) Area Yes☐ No☒</td></tr>
<tr><td colspan="4">Is the Premises subject to any EPP requirements? Yes☐ No☒</td></tr>
</table>

3 Executive summary of proposal and assessment

Hesketh Quarry's Pty Ltd (the Applicant) submitted an application for a category 77 works approval for a proposal to construct a concrete batching plant on Lot 13186 on Plan 183468, Daronchs Road, in an industrial area in North Greenbushes, which is approximately 75km southeast of Bunbury.

The premises is surrounded by industrial, rural, and state forest areas. The nearest sensitive receptors include:

- the Applicant's residence 140m northwest of premises boundary;
- a residence 395m west-southwest of the premises boundary;
- a residence 490m south of premises boundary;
- two small surface water runoff dams 140m and 210m west of the premises boundary;
- Spring Creek (a significant stream) and a dam 780m west of the premises boundary - Spring Creek flows into the Blackwood River approximately 12km downstream; and
- a water supply reservoir 1.1km south of the premises boundary.

The Delegated Officer has considered if the Applicant's property should be considered a sensitive receptor for the purposes of this assessment. The Applicant has confirmed that the property is occupied by them and is part of their larger farm landholding in the area. The Applicant confirmed that the property will not be sold outside of their holding while the concrete batching plant is in operation and that the occupier of the residence will be made aware of any potential nuisance impacts from dust or noise.

The proposed plant will supply concrete to the local community with a predicted annual production of between 2,000m^3 and 7,000m^3. The batching plant will include the following components:

- mobile batch plant mounted on a semi-trailer with an inbuilt 1.5-tonne concrete storage silo;
- 60-tonne capacity cement storage silo that will be constructed on a concrete pad;
- 10-tonne capacity cement storage silo;
- four storage bays (4m x 4m x 2.5m high) to store aggregate and sand;
- hardstand area for stockpiling aggregates;
- concrete lined slurry pit with a volume of 25m^3;
- settling pond with a volume of 526.5m^3;
- truck wash area (and associated concrete drains);
- batching pad concrete hardstand;
- a hardstand for storage of aggregates and sand; and
- contour drain to limit any water running off the site.

Potential emissions from the concrete batching plant includes:

- Dust from silos, stockpiles, storage bays and the movement of materials;
- Noise from truck and machinery movements and tipping of materials; and
- Contaminated stormwater from spilt products.

The batch plant, including conveyors, hoppers, and aggregate storage bins, will be enclosed and fitted with windshields or water sprays to reduce dust emissions. The cement silos will be fitted with an air cleaning system and overfill protection equipment.

The slurry pit will receive stormwater runoff from the batch plant area as well as wastewater from the agitator truck washouts. Water from the slurry pit will be directed to the settling pond which is then reused in the process.

The plant will be subject to the requirements of the *Environmental Protection (Concrete Batching and Cement Product Manufacturing) Regulations 1998* and the *Environmental Protection (Noise) Regulations 1997*.

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**
General conditions	W2.1.1 W2.1.2	**Construction** It is unlikely that there will be any significant emissions during construction of the concrete batching plant. Site infrastructure will consist of raw material storage, cement storage bins, wash-down infrastructure, and stormwater / wastewater slurry pit and settling pond. The construction period is expected to last for approximately two weeks. Conditions 2.1.1 and 2.1.2 are included on the Works Approval to ensure that the works are constructed in accordance with the application documents.	Application supporting documentation General provisions of the *Environmental Protection Act 1986* *Environmental Protection (Concrete Batching and Cement Product Manufacturing) Regulations 1998* *Environmental Protection (Unauthorised Discharges) Regulations 2004*
Premises operation	N/A	**Construction and Operation** <u>Emission Description</u> *Emission:* Stormwater contaminated with cement, hydrocarbons or environmentally hazardous materials such as truck wash water and chemical additives. *Impact:* Localised contamination of soil with alkaline cement dust and/or sediment, which may smother nearby vegetation, increase turbidity in waterways, or alter the chemistry of soils and waterways. There are three sensitive premises, residences, located within 500m of the premises boundary; the closest being the occupier's residence 140m NW of the premises boundary. Two small surface water runoff dams are located 140m and 210m west of the premises boundary. *Controls:* The slurry pit and settling pond are located down gradient of the batching area. Potentially contaminated stormwater captured from the processing areas will be directed to the concrete lined slurry pit via the gradient of the site and a basalt cut-off drain. All drains associated with the slurry pit will be concrete lined, including the drains that direct truck wash wastewater to the slurry pit. Wastewater will then be pumped out of the slurry pit into the settling pond, which is designed to hold a 1 in 10 year, 2 hour ARI event. Solids in the wastewater will settle-out in the pond. Water from the pond will	

DECISION TABLE			
Works Approval / Licence section	**Condition number W = Works Approval L= Licence**	**Justification (including risk description & decision methodology where relevant)**	**Reference documents**
		then be reused back into the concrete manufacturing process. Any sediment removed from the slurry pit and settling pond will be disposed of at an appropriate landfill site. An indicator alarm will be installed to alert the Applicant if the slurry pit reaches 30cm below capacity. All hydrocarbons are stored offsite at the Greenbushes Mine or the adjacent property owned by the Applicant, and all servicing and fueling of machinery will be completed off-site at the adjacent property. Any spills that occur onsite will be cleaned up using spill kits. A designated hydrocarbon bin will be available onsite to store spills and contaminated soils until the contaminated material can be properly disposed of. A hydrocarbon capture boom will be located at the entrance to both the slurry pit and the settling pond. The booms will be replaced and the used booms disposed of at a landfill site as required. Risk Assessment *Consequence*: Minor *Likelihood:* Unlikely *Risk Rating:* Moderate Regulatory Controls When operational, the site will be required to meet the requirements of the *Environmental Protection (Concrete Batching and Cement Product Manufacturing) Regulations 1998* (the Concrete Batching Regulations). Regulations 11 and 12 of the Concrete Batching Regulations stipulate the requirements for the control of wastewater and the operation and maintenance of slurry pits and settling ponds. The premises will also be subject to the *Environmental Protection (Unauthorised Discharges) Regulations 2004* and general provisions of the *Environmental Protection Act 1986*. Residual Risk *Consequence:* Minor *Likelihood:* Unlikely *Risk Rating:* Moderate	

DECISION TABLE			
Works Approval / Licence section	**Condition number W = Works Approval L= Licence**	**Justification (including risk description & decision methodology where relevant)**	**Reference documents**
Point source emissions to air including monitoring	N/A	**Construction** There are no proposed point source emissions to air during construction of the concrete batch plant. **Operation** <u>Emission Description</u> *Emission*: Concrete dust emissions from silos during normal and abnormal operations. Abnormal operations would include the failure of the dust filtration system such as a broken filter. *Impact:* Inhalation and deposition of dust may affect neighbouring residents and the environment. Concrete dust has the potential to cause health effects and nuisance impacts. There are three residences located within 500m of the premises boundary; the closest being the Applicant's residence 140m northwest of the premises boundary. The premises is located in an industrial area 1km west of North Greenbushes and 2.3km northwest of Greenbushes. *Controls:* The cement storage silos (60T pressurised silo and 10T non-pressurised silo) will be fitted with mechanical rapping air cleaning systems and discharge air to an outlet which is within one metre of the ground. The 60T silo will be fitted with an alarm for overpressure or overfilling. The 10T silo will have a filter sock located at the top of the silo designed to release pressure, and overfilling will be controlled by scales. The filters on both silos are designed to contain any particles less than 5 microns in size. The air cleaning systems and pressure gauge (on the 60T silo) will be inspected and tested on a weekly basis, and cement will not be loaded into the silos unless these systems are working correctly. Sufficient replacement filters will be available onsite. In the event visible dust escapes from a silo at any time, the operator will immediately stop work and rectify the work before continuing. <u>Risk Assessment</u> *Consequence:* Minor	Application supporting documentation General provisions of the *Environmental Protection Act 1986* *Environmental Protection (Concrete Batching and Cement Product Manufacturing) Regulations 1998*

DECISION TABLE			
Works Approval / Licence section	**Condition number W = Works Approval L= Licence**	**Justification (including risk description & decision methodology where relevant)**	**Reference documents**
		Likelihood: Unlikely *Risk Rating:* Moderate Regulatory Controls The premises will be required to operate in accordance with the *Environmental Protection (Concrete Batching and Cement Product Manufacturing) Regulations 1998*. The *Environmental Protection (Concrete Batching and Cement Product Manufacturing) Regulations 1998* contain the following requirements regarding minimisation and control of dust from silos: • Regulation 6 – Storage of cement • Regulation 7 – Air cleaning system for cement storage silo • Regulation 8 – Level indicator system or relief valve for cement storage silo The premises is also subject general provisions of the *Environmental Protection Act 1986*. While the occupation of the nearest property by the Applicant may reduce the consequence of nuisance and amenity impacts at that location, health impacts have been considered. The risk of health impact is considered low due to the nature of the operation and the controls in place. Residual Risk *Consequence:* Minor *Likelihood:* Unlikely *Risk Rating:* Moderate	
Fugitive emissions	W2.1.1 W2.1.2	**Construction and Operation** Emission Description *Emission:* Potential for dust emissions during construction such as earthworks and traffic movement onsite. Potential for dust emissions during operation of the facility from vehicle movements onsite, aggregate and sand storage areas and movement of materials onsite. *Impact:* Potential to adversely affect human health, visual amenity and surrounding	Application supporting documentation General provisions of the *Environmental*

DECISION TABLE			
Works Approval / Licence section	**Condition number W = Works Approval L= Licence**	**Justification (including risk description & decision methodology where relevant)**	**Reference documents**
		vegetation and fauna. There are three sensitive premises, residences, located within 500m of the premises boundary; the closest being the Applicant's residence 140m northwest of the premises boundary. The premises is located in an industrial area 1km west of North Greenbushes and 2.3km northwest of Greenbushes. *Controls:* A water cart, water sprays, and/or manual watering will be used when necessary to control dust emissions from vehicle movements (during construction and operation), stockpiles, and storage bays. Aggregates and sand stored in the storage bays will not exceed the height of the storage bin walls. The batch plant and conveyors will be an enclosed system. Cement will be stored in silos. When silos are being filled all inspection ports, hatches, and any other openings will be closed to prevent cement dust escaping into the environment. If visible dust is seen to be escaping from the silo(s) at any time, the operator will immediately stop the work and take steps to rectify the problem before continuing operation. All silos will have a level indicator installed that has an audible alarm that sounds when cement is being loaded. The alarm is triggered when the cement in the silo has reached 0.6m below the inlet to the silos air cleaning system or 2 tonnes less than the silo's maximum capacity. A test circuit will be in place to ensure level indicators and alarms are working correctly, and no silo will be used for any purpose unless these indicators and alarms are in correct working order. Silo relief valves will automatically prevent the level of cement rising above the maximum allowable level, and all excess cement will pipe into a weight hopper or outlet one metre from the ground. Daily pre-start inspections will be performed to ensure all machinery and equipment is clear of loose material to prevent dust being emitted from the operations. Any vehicles carrying concrete will not leave the premises until they have been inspected for cement slurry and dust and washed down as required. Supervision, training, and safe work procedures will be used to ensure employees operate plant and equipment and understand their responsibilities in relation to compliance with the *Environmental Protection (Concrete Batching and Cement Product Manufacturing) Regulations 1998*.	*Protection Act 1986* *Environmental Protection (Concrete Batching and Cement Product Manufacturing) Regulations 1998*

DECISION TABLE			
Works Approval / Licence section	**Condition number W = Works Approval L= Licence**	**Justification (including risk description & decision methodology where relevant)**	**Reference documents**
		Risk Assessment *Consequence*: Minor *Likelihood:* Unlikely *Risk Rating:* Moderate Regulatory Controls Conditions 2.1.1 and 2.1.2 of the works approval will ensure construction is in accordance with the application supporting documentation. The Concrete Batching Regulations will apply to the operations. The Concrete Batching Regulations contain the following requirements regarding minimisation and control of fugitive dust: • Regulation 3 – Minimisation of dust • Regulation 4 – Control of dust from trafficable areas • Regulation 5 – Storage of aggregate and sand • Regulation 9 – Movement of materials on premises and loading of agitators • Regulation 10 – Cement product manufacturing premises to be cleaned The premises is also subject general provisions of the *Environmental Protection Act 1986*. While the occupation of the nearest property by the Applicant may reduce the consequence of nuisance and amenity impacts at that location, health impacts have been considered. The risk of health impact is considered low due to the nature of the operation and the controls in place. Residual Risk *Consequence*: Minor *Likelihood:* Unlikely *Risk Rating:* Moderate	
Noise	N/A	**Construction and Operation** Emission Description *Emission:* Vehicle and machinery operation during construction. Vehicle and machinery operation during operation of the facility for the transport and mixing of sand,	Application supporting documentation

DECISION TABLE			
Works Approval / Licence section	**Condition number W = Works Approval L= Licence**	**Justification (including risk description & decision methodology where relevant)**	**Reference documents**
		aggregates, and cement. *Impact:* Potential for nuisance and human health impacts. There are three sensitive premises, residences, located within 500m of the premises boundary; the closest being the Applicant's residence 140m northwest of the premises boundary. *Controls:* The construction period is expected to last for approximately two weeks. The premises is located within an industrial zone, and there will be a maximum of three trucks per day leaving and entering the premises. The areas where heavy machinery is used will be sign posted for mandatory hearing protection, and public access will be restricted by fencing, gates, and restricted access sign posting. Additionally, the proponent has committed to the following noise measures: • The number of machinery to be used is minimal: - one small loader (estimated to emit the same amount of noise as a light vehicle); and - a maximum of three agitator trucks (all with direct drive hydraulic bowls); • Work that is potentially noisy will be restricted to Monday to Friday from 7am to 5pm and Saturdays from 7am to 1pm. A maximum of two loads will be completed by each truck per day with the plant operating a maximum of two hours per day within the hours of operation (the plant is electrically powered so there will be no generator or engine noise); • Materials will be loaded into the hopper slowly with sand being added first to pad the hopper and reduce the noise of other aggregates being loaded; and • Machinery will be fitted with compliant mufflers. <u>Risk Assessment</u> *Consequence:* Minor *Likelihood:* Unlikely *Risk Rating:* Moderate <u>Regulatory Controls</u> Noise emissions from construction of the premises are expected to comply with the	*Environmental Protection (Noise) Regulations 1997* General provisions of the *Environmental Protection Act 1986*

DECISION TABLE			
Works Approval / Licence section	**Condition number W = Works Approval L= Licence**	**Justification (including risk description & decision methodology where relevant)**	**Reference documents**
		Environmental Protection (Noise) Regulations 1997. During construction, the site will be classified as a construction site as per Regulation 13 of the Noise Regulations so will not be subject to the requirements of Regulation 7 if the requirements of Australian Standard 2436-2010 are met. The operational premises will be subject to the *Environmental Protection (Noise) Regulations 1997*, and the substantive offences of the EP Act provide enforceable prohibitions for noise emissions that result in pollution or environmental harm. Residual Risk *Consequence:* Minor *Likelihood:* Unlikely *Risk Rating:* Moderate	
Information	W2.1.1 and W2.1.2	Conditions 2.1.1 and 2.1.2 require submission of compliance documentation at the end of construction of the concrete batching plant. The compliance document serves to certify that the works were constructed in accordance with the application.	Application supporting documentation
Works Approval Duration	N/A	The Works Approval will be issued for a period of three years which is sufficient time to allow the facility to be constructed. Planning approval for the premises was granted by the Shire of Bridgetown-Greenbushes on 29 June 2016.	N/A

5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
29/02/2016	Application advertised in West Australian (or other relevant newspaper)	No comments received.	N/A
29/02/2016	Application referred to interested parties listed: • Shire of Bridgetown-Greenbushes • Department of Water (DoW)	Shire of Bridgetown-Greenbushes' comments • The Shire is currently assessing a planning application classed as 'General Industry' under Town Planning Scheme No. 4. • The Shire has raised concerns with the applicant regarding the proposed separation distances to nearby sensitive land uses and onsite water management regime. • The Shire is unable to provide support for the works approval at this time pending the outcome of the planning application. DoW comments • The premises does not fall within an area proclaimed under the *Rights in Water and Irrigation Act 1914*; however, at least two dams and a minor watercourse of the Blackwood River system are located down gradient. • Historical use of the lot for industrial purposes over time may at some point require an assessment under the *Contaminated Sites Act 2003*. • DoW considers the proposed development to have a moderate level of risk from water infiltration and run-off, potentially impacting upon the quality of groundwater and surface water environments. • The size of the settling pond should be calculated to store operational water requirements and winter run off, to ensure that the pond does not overflow. • Recycled stormwater runoff from impervious sources should be directed into first flush interceptors, sediment pits, a waste sump and bio retention facilities, rather than directed straight into a slurry pit, to ensure contaminates are removed. • In areas where stormwater may have been contaminated, water should	Further information was sought from the proponent including information on stormwater, wastewater and hydrocarbon management. The information submitted by the proponent has been incorporated into the risk assessment in the decision table.

Date	Event	Comments received/Notes	How comments were taken into consideration
		drain into treatment facilities for the removal of solids and hydrocarbon/chemical residues. • Uncontaminated stormwater is to be kept and managed separately from contaminated or potentially contaminated stormwater within the lot. • Plant areas should have a low permeability pad or floor that has been chemically sealed to minimise seepage and assist in clean-up of spilt fluids. • Plant areas should be designed to contain chemical/oil spills (i.e. impervious perimeter bund, internal collection sump, etc.).	
31/05/2016	Proponent sent a copy of draft instrument	Proponent proposed no changes to documents.	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