



# Decision Document

## *Environmental Protection Act 1986, Part V*

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**Proponent:** P.M.R. Quarries Pty Ltd T/A WA Limestone Co  
**Licence:** L8355/2009/2

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**Registered office:** 41 Spearwood Avenue  
BIBRA LAKE WA 6163

**ACN:** 008 866 448

**Premises address:** Baldivis Pit  
Lots 800 and 801 on Plan 72839, Lot 1284 on Plan 163094 Kerosene Lane and  
Part Lot 2170 on Plan 211650 Millar Road  
BALDIVIS WA 6171  
As depicted in Schedule 1.

**Issue date:** Thursday, 26 June 2014

**Commencement date:** Wednesday, 2 July 2014

**Expiry date:** Monday, 1 July 2019

### Decision

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

Decision Document prepared by: Lauren Fox  
Licensing Officer

Decision Document authorised by: Cristina Angel  
Manager Licensing



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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.

#### Works approval and licence conditions

DER has three types of conditions that may be imposed on works approvals and licences. They are as follows;

##### Standard conditions (SC)

DER has standard conditions that are imposed on all works approvals and licences regardless of the activities undertaken on the Premises and the information provided in the application. These are included as the following conditions on works approvals and licences:

Works approval conditions: 1.1.1-1.1.4, 1.2.1, 1.2.2, 5.1.1, 5.1.2 and 5.3.1.

Licence conditions: 1.1.1-1.1.4, 1.2.1-1.2.4, 5.1.1-5.1.4 and 5.2.1.

For such conditions, justification within the Decision Document is not provided.

##### Optional standard conditions (OSC)

In the interests of regulatory consistency DER has a set of optional standard conditions that can be imposed on works approvals and licences. DER will include optional standard conditions as necessary, and are likely to constitute the majority of conditions in any licence. The inclusion of any optional standard conditions as a result of this application is justified in Section 4 of this document.

##### Non standard conditions (NSC)

Where the proposed activities require conditions outside the standard conditions suite DER will impose one or more non-standard conditions. These include both premises and sector specific conditions, and are likely to occur within few licences. Where used, justification for the application of these conditions will be included in Section 4.



## 2 Administrative summary

| Administrative details   |   |   |
|--|---|---|
| Application type   | Works Approval <input type="checkbox"/>               |   |
|  | New Licence <input type="checkbox"/>                  |   |
|  | Licence amendment <input checked="" type="checkbox"/> |   |
|  | Works Approval amendment <input type="checkbox"/>     |   |
| Activities that cause the premises to become prescribed premises   | <b>Category number(s)</b>                             | <b>Assessed design capacity</b>                                     |
|  | 12  | 500 000 tonnes per annual period                                    |
| 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   | N/A   |   |
| Is the proposal a Major Resource Project?  | Yes <input type="checkbox"/>                          | No <input checked="" 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 type="checkbox"/>                          | No <input checked="" type="checkbox"/>                              |
| Is the proposal subject to Ministerial Conditions?   | Yes <input type="checkbox"/>                          | No <input checked="" type="checkbox"/>                              |
|  |   |   |
| 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"/>                              |
|  |   |   |
| Is the Premises within an Environmental Protection Policy (EPP) Area   | Yes <input checked="" type="checkbox"/>               | No <input type="checkbox"/>   |
| Premises is located within the Kwinana EPP.  |   |   |
| Is the Premises subject to any EPP requirements?   | Yes <input checked="" type="checkbox"/>               | No <input type="checkbox"/>   |
| Kwinana EPP  |   |   |



### 3 Executive summary of proposal and assessment

P.M.R. Quarries Pty Ltd T/A WA Limestone Co operate the Baldivis Pit located on Kerosene Lane and Millar Road in Baldivis. The premises is licensed for category 12 screening operations. Closest residents are located adjacent to the southern boundary of the premises.

This licence amendment is for the increase in annual throughput from 120 000 tonnes to 500 000 tonnes. The increase in throughput is a result of a demand from the City of Rockingham for increased landfill capacity at their Millar Road Landfill Facility which shares the same location as the Baldivis Pit. Additional quarrying is required at the premises to increase the landfill capacity. No changes to the facility or additional works/equipment are required for this amendment. The increased throughput will still be managed under a single-shift operation however the operations will be undertaken more frequently during this shift.

Dust and noise are the most significant emissions from these operations. Dust emissions have been re-assessed as part of this amendment however the current Dust Management Plan, coupled with the existing fugitive emission conditions, is sufficient for managing dust emissions at the Premises and no further dust conditions are recommended. Noise emissions have also been re-assessed under this amendment. As the noise assessment report provided with this amendment is from 2006 and given that the land south of the premises is a developing residential area, DER has included an improvement condition in the licence to undertake a noise assessment for the premises.

## 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<br>W = Works Approval<br>L = Licence | OSC or NSC | Justification (including risk description & decision methodology where relevant)  | Reference documents   |
| Fugitive Emissions               | L2.6.1 and L2.6.2                                     | OSC        | <p><b>Operation</b></p> <p><u>Emission Description</u><br/> <i>Emission:</i> Dust emissions from vehicle movements, loading/unloading activities, crushing and screening operations. Fugitive dust emissions may also be generated from stockpiles of raw material.<br/> <i>Impact:</i> Dust emissions may impact on human health and the environment. Elevated total suspended particulates (TSP) can impact ambient environmental quality resulting in amenity impacts (nuisance) and can smother vegetation. Closest residents are located adjacent to the southern boundary of the premises which is where the quarry and crushing area is located. The impacts from dust emissions are considered to be short term, localised and with reversible effects.<br/> <i>Controls:</i> The proponent has an existing Dust Management Plan. The plan outlines a range of controls including:</p> <ul style="list-style-type: none"> <li>• Use of onsite water truck for wetting down roads and other dust generating areas;</li> <li>• Loads on trucks to be covered or wetted down to reduce dust;</li> <li>• Ceasing operations when weather conditions are adverse (i.e. strong winds);</li> <li>• Use of water sprays during crushing operations;</li> <li>• Use of dust covers on equipment shields where possible;</li> <li>• Use of water cannons or sprinklers to wet down stockpiles</li> <li>• Dust extraction or filtration systems on mobile and static plant where appropriate;</li> </ul> | <p>Application supporting documentation</p> <p>General provisions of the <i>Environmental protection (Noise) Regulations 1997</i></p> |



**DECISION TABLE**

| Works Approval / Licence section | Condition number<br>W = Works Approval<br>L = Licence | OSC or NSC | Justification (including risk description & decision methodology where relevant)   | Reference documents |
|----------------------------------|---|------------|--|---------------------|
|                                  |   |            | <ul style="list-style-type: none"> <li>Staff will undertake visual monitoring of dust so that preventative actions outlined above can be undertaken.</li> </ul> <p>The occupier has a groundwater extraction bore licence (GWL166509) from the Department of Water for use in dust suppression.</p> <p>The occupier also proposes to undertake dust monitoring at the premises. Depositional gauges (designed to Australian Standard to collect dust over a specified time) are installed at the east, south and west boundaries.</p> <p>Video cameras are also installed at the premises to show an overview of the crushing and screening operations. These cameras will assist in identifying visible dust.</p> <p><u>Risk Assessment</u><br/> <i>Consequence:</i> Minor<br/> <i>Likelihood:</i> Possible<br/> <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u><br/>           OSC 2.6.1 and 2.6.2 are already included on the licence to ensure the occupier takes measures to suppress dust at the premises and to prevent visible dust from crossing the premises boundary. These conditions are sufficient at managing dust emissions from the premises. No further regulatory controls are required.</p> |                     |



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|----------------------------------|---|------------|--|---|
| Noise emissions                  | L4.1.1 and L4.1.2                                     | OSC        | <p><u>Residual Risk</u><br/> <i>Consequence:</i> Minor<br/> <i>Likelihood:</i> Possible<br/> <i>Risk Rating:</i> Moderate</p> <p><u>Operation</u><br/> <u>Emission Description</u><br/> <i>Emission:</i> Noise emissions from quarrying operations and crushing/screening activities. Noise emissions can also be generated from loading/unloading activities and vehicle movements.<br/> <i>Impact:</i> Noise emissions may impact on the amenity of nearby residences and cause a nuisance. Closest residents are located adjacent to the southern boundary of the premises which is where the quarry and crushing area is located. The impacts from noise emissions are considered to be short term, localised and with reversible effects.<br/> <i>Controls:</i> The southern and western boundaries, which are closest to the residences, have bund walls which assist in creating a noise barrier.</p> <p><u>Risk Assessment</u><br/> <i>Consequence:</i> Minor<br/> <i>Likelihood:</i> Possible<br/> <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u><br/>           OSC 4.1.1 and 4.1.2 have been included on the licence to ensure the occupier undertakes a noise assessment of the premises to determine compliance against the <i>Environmental Protection (Noise) Regulations 1997</i>. No further regulatory controls are recommended.</p> | <p><i>Environmental Protection (Noise) Regulations 1997</i></p> |



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|----------------------------------|---|------------|--|---|
| <b>Improvements</b>              | L4.1.1 and L4.1.2                                     | OSC        | <p><u>Residual Risk</u><br/> <i>Consequence:</i> Minor<br/> <i>Likelihood:</i> Possible<br/> <i>Risk Rating:</i> Moderate</p> <p>As discussed under the noise emissions risk assessment, conditions 4.1.1 and 4.1.2 have been included on the licence to ensure the occupier conducts an updated noise assessment to support that noise emissions from the premises comply with the Noise Regulations.</p> | <p><i>Environmental Protection (Noise) Regulations 1997</i></p> |





## 5 Advertisement and consultation table

| Date      | Event   | Comments received/Notes                                   | How comments were taken into consideration |
|-----------|---|---|--|
| 6/11/2014 | Proponent sent a copy of draft instrument (21 day letter) | Occupier had no comments and the 21 day waiver was signed | 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    |