



<b>Licence Number</b>	L6265/1983/8
<b>Licence Holder</b>	Boral Resources (W.A.) Ltd
<b>ACN</b>	008 686 904
<b>File Number:</b>	DEC1384
<b>Premises</b>	Boral Asphalt 90 McDowell Street WELSHPOOL WA 6106  Lot 43 on Plan 3217 Certificate of Title Volume 1798 Folio 792
<b>Date of Amendment</b>	24 April 2018

## Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Licence in accordance with section 59 of the *Environmental Protection Act 1986* (EP Act) as set out in this Amendment Notice. This Amendment Notice constitutes written notice of the amendment in accordance with section 59B(9) of the EP Act.

Date signed: 24 April 2018

**Caron Goodbourn**

**A/Manager Licensing (Process Industries)**

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

# Definitions and interpretation

## Definitions

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

**Table 1: Definitions**

Term	Definition
ACN	Australian Company Number
Amendment Notice	refers to this document
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
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 33 Cloisters Square PERTH WA 6850 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Delegated Officer	an officer under section 20 of the EP Act
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.
DWER	Department of Water and Environmental Regulation
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
m <sup>3</sup>	cubic metres
Noise Regulations	<i>Environmental Protection (Noise) Regulations 1997 (WA)</i>
Risk Event	as described in <i>Guidance Statement: Risk Assessment</i>
USEPA method 5	means the United States Environmental Protection Agency Method 5 Determination of particulate matter emissions from stationary sources.

## Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend Licence L6265/1983/8 granted to Boral Resources (W.A.) Ltd in respect of its asphalt manufacturing at Welshpool. This notice of amendment is given under section 59B(9) of the EP Act.

## Amendment description

On 13 March 2018 the Licence Holder lodged an application to amend its licence seeking approval to construct and operate for a short period of time, another asphalt manufacturing plant on site. The plant (purchased overseas) is of a modular (mobile) design that can be constructed in a short period of time and is rated for 200 tonnes per hour.

The additional manufacturing plant is to be operated for about 8 weeks producing approximately 1,000 tonnes of asphalt during this period. This is to ensure that it meets performance and environmental standards and to satisfy conditions of sale. Afterwards it will be disassembled and transferred to a new location.

While this new plant is operating, the existing operations and activities on site will continue uninterrupted. The existing asphalt plant has a design capacity of ~250,000 tonnes per year.

## Regulatory history

Table 2 provides the recent history of instruments issued by the CEO for this premises.

**Table 2:** History of instruments issued for the premises

Instrument	Issued	Description
L6265/1983/8	27/07/2011	Licence issued (reissue)
W5881/2015/1	30/10/2015	Works Approval for crushing and screening of RAP and its use as a raw material.
L6265/1983/8	20/11/2015	Licence amendment for RAP, wastewater treatment improvement and conversion of the licence to a new format.
L6265/1983/8	29/04/2016	Amendment by notice to change the licence expiry date to 2 August 2023
L6265/1983/8	21/03/2017	Amendment Notice 1: to allow for the discharge of treated wastewater on site
L6265/1983/8	24/04/2018	Amendment Notice 2:— to allow for the construction and short term operation of an additional (mobile) asphalt plant.

## Location and receptors

Table 3 below lists the relevant sensitive land uses in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed asphalt manufacturing (also shown in Figure 1).

**Table 3: Receptors and distance from activity boundary**

Residential and sensitive premises	Distance from Prescribed Premises
Residents in Wattle Grove	Approximately 1000m from the premises.

## Risk assessment

Tables 4 and 5 below describe the Risk Events associated with the amendment consistent with the *Guidance Statement: Risk Assessments*. Both tables identify whether the emissions present a material risk to public health or the environment, requiring regulatory controls.

**Table 4: Risk assessment for proposed amendments during construction**

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning
Source or Activity	Potential emissions	Potential receptors	Potential pathway	Potential adverse impacts				
Construction of the asphalt plant	Noise	Adjacent industrial premises; and residential premises 1 km.	Air	amenity impacts	Slight	Rare	Low	The construction involves assembling pre-constructed modular (mobile) equipment. The Noise Regulations apply.

**Table 5: Risk assessment for proposed amendments during operation**

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning
Source or Activity	Potential emissions	Potential receptors	Potential pathway	Potential adverse impacts				
Operation of the additional asphalt plant	Particulate emissions from the bag filter, expected to be less than 50mg/m <sup>3</sup> .	Adjacent industrial premises; and residential premises 1 km.	Air	Amenity impacts	Slight	Rare	Low	The plant is to be located on regulated premises, in an industrial area. The premises are separated by 1,000m to the nearest residential premises. No complaints to date about odour. The Noise Regulations apply. Expected additional emissions from this plant are negligible, in the context of the proposed operating period of time.
	Noise		Air	Amenity impacts	Slight	Rare	Low	
	Odour		Air	Amenity impacts	Slight	Rare	Low	
Storage of diesel	Diesel	Groundwater	Soil	Contamination of the soil or groundwater	Slight	Rare	Low	The chemicals are stored on hard stand and all site water is captured and treated prior to discharge into the environment.

## Decision

The Delegated Officer has granted the Licence Amendment Application subject to conditions.

The conditions to be attached to the Licence, reflect the details of the Application relating to the infrastructure to be constructed, its location, the predicted emissions and the duration of operational service proposed.

## Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 12 April 2018. The Licence Holder provided the comment that a restriction in operating time per day may unreasonably impede on the commissioning process and as such requested to remove the restriction of a maximum of 4 hours per day. The Delegated Officer has agreed with this view and that condition has been removed.

## Details of the Amendment

1. The Licence is amended by the insertion of the following Conditions:

### 5. Works

5.1 The Licensee must construct and operate the works in accordance with the infrastructure table 5.1.1.

**Table 5.1.1 Works**

Column 1	Column 2
Infrastructure/Equipment	Requirements (construction and operation)
Ciber iNova 2000 asphalt plant	<ul style="list-style-type: none"><li>• Constructed on hardstand;</li><li>• Baghouse filter to be designed and constructed such that all air from the dryer is treated and that particulate emissions are less than 50 mg/m<sup>3</sup>;</li><li>• Stack of the bag filter is required to have a stack sampling port that is compliant with AS 4323.1;</li><li>• Produce no more than 1,500 tonnes of asphalt;</li><li>• Operate for no longer than 6 weeks in total during May, June and July 2018; and</li><li>• Located as per the maps in Schedule 3.</li></ul>

5.2 The Licensee must record the quantity of asphalt produced in each week from the infrastructure listed in Table 5.1.1.

5.3 The Licensee must conduct one stack test from infrastructure listed in Table 5.1.1 in accordance with USEPA method 5, measuring the particulate emissions in mg/m<sup>3</sup> and g/s at STP dry.

5.4 Licensee must submit a report to the CEO by 30 August 2018, detailing the total asphalt produced, the results of the stack testing as per condition 5.3 and the original stack testing report.

2. The Licence is amended by the insertion of Schedule 3:

**Schedule 3: Proposed location of the Ciber iNova 2000 asphalt plant and its general arrangement**





**Legend**

- Proposed Plant Area
- Cyber INOVA Stack

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**Datum and Projection**  
GDA94, MGA Zone 50

Created	Date	Revision
CH	09/03/2018	1.0

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**Boral Welshpool Asphalt Licence Amendment**

**Figure 2**  
Proposed Plant Layout