



<b>Licence Number</b>	L9110/2018/1
<b>Licence Holder</b>	Roads 2000 Pty Ltd
<b>ACN</b>	081 677 778
<b>Registered business address</b>	Level 15, 125 St Georges Terrace PERTH WA 6000
<b>File Number</b>	DER2017/002103-1
<b>Duration</b>	14/12/2018 to 1/12/2025
<b>Date of amendment</b>	11/10/2021
<b>Prescribed Premises</b>	Category 35 – Asphalt manufacturing Category 61A – Solid waste facility Category 77 – Concrete batching or cement products manufacturing
<b>Premises</b>	BGC Asphalt Neerabup 31 Turnbull Road, NEERABUP  Legal description - Lot 23 on Diagram 63843 Certificate of Title Volume 1630 Folio 956

This revised licence is granted to the licence holder, subject to the following conditions, on 11/10/2021, by:

## Manager, Process Industries

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

## Licence history

Date	Reference number	Summary of changes
27/04/2018	W6108/2017/1	Works approval granted.
14/12/2018	L9110/2018/1	Licence granted.
11/10/2021	L9110/2018/1	Licence transferred from BGC (Australia) Pty Ltd to Roads 2000 Pty Ltd

## Interpretation

In this licence:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) 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;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
  - (i) if dated, refers to that particular version; and
  - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

**NOTE:** This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

## Definitions

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

**Table 1: Definitions**

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted 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).
annual period	means a 12 month period commencing from 1 January until 31 December.
books	has the same meaning given to that term under the EP Act.
condition	means a condition to which this licence is subject under s.62 of the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
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.
Department Request	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: (a) compliance with the EP Act or this licence; (b) the books or other sources of information maintained in accordance with this licence; or (c) the books or other sources of information relating to emissions from the premises.
DWER	Department of Water and Environmental Regulation.
EP Act	means the <i>Environmental Protection Act 1986</i> (WA).
EP Regulations	means the <i>Environmental Protection Regulations 1987</i> (WA).
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.
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.
Processed RAP	means RAP which has been crushed and/or screened to size for recycling into new asphalt.
RAP	means reclaimed asphalt pavement.
STP dry	means Standard Temperature and Pressure dry (0°C, 101.3 kilopascal, dry)

# Conditions

## Emissions

1. The licence holder must not cause any emissions from 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**

Emission type	Exclusions/Limitations/Requirements
<b>Specified Emissions</b>	
Emissions from the asphalt plant bag filter stack	Total particulate emissions not more than 50 mg/m <sup>3</sup> at any given time.
<b>General Emissions (excluding Specified Emissions)*<sup>1</sup></b>	
Emissions which arise from the asphalt manufacturing or concrete batching processes.	<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 <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>.</li></ul>

Note \*<sup>1</sup>: emissions and discharges from the concrete batching process are regulated by the *Environmental Protection (Concrete Batching and Cement Products Manufacturing) Regulations 1998*

## 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**

Site infrastructure and equipment	Operational requirements
ALmix Model TP72UF/150 Asphalt plant	<p>Up to 150 tonnes per hour of asphalt being produced.</p> <p>Fitted with bag filter ensuring emissions from the stack are less than 50 mg/Nm<sup>3</sup>.</p> <p>Bag filter fitted with a pressure differential monitor.</p> <p>Diesel and gas fuelled burner.</p> <p>To be located on hardstand.</p>
7 Raw material bins	3-sided concrete bins and a roof.

Site infrastructure and equipment	Operational requirements
	Raw materials not stored higher than the bin walls.
Mobile RAP crushing plant	Up to 150 tonnes per hour of RAP to be able to be processed. To be fitted with a dust suppression equipment. Equipment must be located within the area shaded on the Premises Layout Map set out in Schedule 1.
Concrete batch plant	Including 1 concrete storage Silo. Feed hoppers with enclosed conveyor. 1 concrete batch materials truck loading bay. Bag filter fitted with pressure differential monitor.
4 Raw material bins	3- sided concrete bins.

## Premises operation

3. No raw materials, materials or fuels other than those listed in Column 1 of Table 4 and which comply with any specification stated in Column 3 of Table 4 shall be subjected to the relevant process in that table.

**Table 4: Material handling and processing**

Material	Process	Specifications
Granular raw materials	Receipt, storage and use in asphalt manufacturing process	The Licence Holder shall only store granular raw materials (excluding RAP) in dedicated ground bins, cold feed bins or above-ground bins. Ground bins are to: (a) all raw material and cold feed bins to comprise of at least three sides, a roof and sprinklers; and (b) not contain stored materials in excess of the height or the width of the bin walls. Cold feed bins are to: (a) be located so as to minimise exposure to wind; (b) be enclosed on three sides and covered; and (c) not contain stored materials in excess of the height of the bin walls.
Bulk filler (e.g. Lime)	Receipt, storage and use in asphalt manufacturing process	The Licence Holder shall store bulk fillers (e.g. lime) in the dedicated filler silo and ensure that ports and hatches are sealed during filling activities.
Unprocessed RAP	Receipt, storage and processing (crushing and screening)	The Licence Holder must not store more than 1000 m <sup>3</sup> on the Premises. The Licence Holder must: (a) crush, screen and store unprocessed RAP within the area depicted in Schedule 1; (b) crush and screen unprocessed RAP with a RM 70GO! 2.0 Compact Crusher or a make/model that has equivalent manufacturers' specifications for noise emissions and dust minimisation controls; and (c) crush and screen unprocessed RAP if it does not contain any of the following materials: (i) granular pavement materials, clay, soil or organic matter; (ii) bricks, concrete, glass or building materials; and (iii) tar based products, geotextile fabrics, raised pavement markers or surface treatment such as high friction surfacings.

Material	Process	Specifications
Processed RAP	Storage and use in the asphalt manufacturing process	The Licence Holder must not store more than 2,000 m <sup>3</sup> of Processed RAP on the Premises

## Monitoring

### 4. The Licence Holder must monitor emissions:

- from the discharge point;
- for the corresponding parameter;
- in the corresponding reporting unit;
- for the corresponding averaging period;
- at the corresponding frequency; and
- using the corresponding method,

as set out in Table 5.

**Table 5: Stack emission monitoring**

Emission point	Parameter	Reporting unit <sup>1, 3</sup>	Averaging period	Frequency <sup>2</sup>	Method
Asphalt plant stack	Particulate matter	mg/m <sup>3</sup> g/s	Stack test (Minimum 60 minute average)	Annually	USEPA Method 5 or USEPA Method 17
	NO <sub>x</sub>	mg/m <sup>3</sup> g/s	Stack test (Minimum 30 minute average)		USEPA Method 7E
	Carbon monoxide				USEPA Method 10
	Total Volatile Organic Compounds	mg/m <sup>3</sup> g/s	Stack test (Minimum 30 minute average)		USEPA Method 18

Note 1: All units are referenced to STP dry.

Note 2: Monitoring shall be undertaken to reflect normal operating conditions.

Note 3: Concentration units are referenced to 17% O<sub>2</sub>.

### 5. The licence holder must ensure that all monitoring and analysis as required per condition 4 is undertaken by a holder of a current NATA accreditation for the relevant parameters and/or methods as per condition 4.

## Record-keeping and reporting

### 6. The Licence Holder must maintain accurate and auditable books including the following records, information, reports and data required by this licence:

- the calculation of fees payable in respect of this licence;
- the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with condition 2 of this licence;
- monitoring undertaken in accordance with conditions 4 and 5 of this licence; and
- complaints received under condition 7 of this licence.

In addition, the books must:

- be legible;
- if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;
- be retained for at least 3 years from the date the books were made; and
- be available to be produced to an Inspector or the CEO.

### 7. 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.
8. The licence holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
  - (b) prepare an Annual Audit Compliance Report in the approved form.
9. The licence holder must submit to the CEO by no later than 90 days after the end of each annual period, an Annual Environmental Report for that annual period for the conditions listed in Table 6, and which provides information in accordance with the corresponding requirement set out in Table 6.

**Table 6: Annual Environmental Report**

Condition	Requirement
4 & 5	Submission of the original stack testing and sampling reports from the company / companies that conducted the stack testing and sampling.
7	Summary of any complaints received and what action the Licence Holder took to address these complaints.
8	Annual Audit Compliance Report in the approved form and signed as per the requirements of that form.



## Schedule 1: Maps

### Premises map

The Premises are shown in the map below.





The Premises lay-out is shown in the map below.

